



# THE ECDYSIAST

Newsletter of the Crustacean Society

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November 1999

## Message from the President

With the end of the year, the decade, the century, and the millennium in sight, this is a good time to look back not only at 1999, but at where we, as a Society, have been, and where we are going. For the most part, the news is very good, and I want to highlight some of the recent accomplishments of The Crustacean Society.

1999 was another banner year for TCS. The Lafayette meetings in May were a tremendous success; I have heard many comments on the quality of the talks, posters, sessions, and the sheer fun that we experienced. For me personally, it was a great honor to be involved in the well-deserved tribute to Ray Manning, and to see such a strong show of support from his friends and family. As this newsletter goes to press, I have not yet heard a full report on the Lisbon meetings held in September (the 7th Colloquium Crustacea Decapoda Mediterranea) which I could not attend, but I have no doubt that they were also successful. [As an aside, because of an unfortunate set of circumstances, the organizers of the Lisbon CCDM meetings were under the impression that TCS was not very supportive of their efforts. This is of course not the case, and I have written a letter of apology to Jose Paula for the misunderstanding and to let him know that TCS was fully supportive of the Lisbon CCDM meetings. I wanted to let all of you know because it is clear that we must continue to do all we can to make the world aware that we are striving to be an international Society, not just a US-based one.]

The Society is strong financially. In 1999, our membership numbers rose for the first time in five years (in fact, membership had been declining every year for the past five years, and 1999 saw a reversal in that trend). Most of our recent meetings have either cost us no money at all (the marvelous meetings in Lafayette were organized and conducted at no expense to the Society, thanks to Darryl Felder and Mona Pomier and their staff) or have resulted in a net financial gain for the Society (as in the case of the ICC4 meetings in Amsterdam in 1998, thanks to Fred Schram and his staff). Society meetings, which in the past decade were almost entirely restricted to the contiguous United States, are becoming more international, and this trend will continue for years to come, a natural consequence of a global society. Our

cherished *Journal of Crustacean Biology*, the flagship of our Society, is again in excellent editorial hands, and the transition has proceeded smoothly from Arthur Humes to David K. Camp. The formal announcement of Dave's appointment was made at the Society's Business Meeting in Lafayette and was also published in the August issue of JCB (Vol. 19, No. 3). Steps are now being taken to allow us to track JCB manuscripts on our web page. In September, the Board of Governors approved the creation of a web site that will allow authors to track the progress of any manuscript submitted to JCB, from the date of submission through revisions, galley proofs, and final publication. In addition, Allen Press will soon begin listing titles of all JCB articles and their abstracts on the Allen Press web page (beginning with JCB volume 20, number 1), a free promotional service that will heighten the visibility of our Journal

and our Society even further, at no cost to us. For additional information on the future direction of the JCB, please see Dave's welcoming message later in this newsletter. TCS also will soon be listed for the first time in the Yearbook of International Organizations. As the year draws to a close, members of the Society can rest assured that their Society is in good hands. The current slate of candidates for TCS offices is further evidence that our future looks bright.

I am also pleased with other developments that have occurred during the last two years. The formation of an overseeing body, composed of the president of TCS and the heads of other crustacean societies all over the world, will

### In this Issue

<i>Message from the President</i> .....	1
<i>TCS Officers &amp; Board of Governors</i> .....	2
<i>Best Student Presentation Awards</i> .....	3
<i>From the (New) Editor of JCB</i> .....	4
<i>TCS Cost of Membership Increase</i> .....	6
<i>Mysid Specialist Wanted</i> .....	6
<i>E-mail Directory</i> .....	7
<i>Stone Mountain Fairy Shrimp</i> .....	7
<i>Contributions to the Ecdysiast</i> .....	7
<i>Crustacean News: Meetings &amp; Workshops</i> ...	8
<i>Fifth International Crustacean Conference</i> .....	11
<i>Publication News</i> .....	12
<i>TCS Fall Elections, 1999</i> .....	16
<i>Upcoming TCS Meeting Schedule</i> .....	19
<i>2000 TCS Summer Meeting Packet</i> .....	20

now oversee all future International Crustacean Congresses beginning with ICC5 in Melbourne (see the November 1998 *Ecdysiast*). We have presented more student awards in the last 3 years than in all previous years of the Society's existence combined. We can all take pride in the excellent reputation of our journal, the quality and quantity of research papers published there, the dedication of our membership, the success of our meetings, the number of students we have encouraged and/or funded with awards and scholarships, and the number of Awards for Research Excellence we have

presented to some of the true giants in carcinology.

The years ahead also look promising, with continued meetings in the winter with SICB in the United States (Atlanta in January of 2000, Chicago in January of 2001, Anaheim in January of 2002; see the SICB web site at <http://www.sicb.org>), and with our summer meetings taking on a decidedly international flavor with gatherings in Puerto Vallarta, Mexico, in 2000, Melbourne, Australia, in 2001, and possibly Lodz, Poland (in conjunction with the European Crustacean Conference), or Greece (in conjunction with the Eighth

Colloquium Crustacea Decapoda Mediterranea) in 2002. Clearly, this is a time for optimism and for looking to the future.

And yet, this is also a time for asking what we could have done better, and what we could be doing better in the future. The Crustacean Society has now existed for close to 20 years. As noted above, we have much to be proud of. But I think that some pressing questions need to be asked. In twenty years, how have we grown? In what ways is our Society making a difference? How many graduate students have we produced? How many of them



*The Crustacean Society*  
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**1999**



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have gone on to become members of the Society? Are they, in turn, passing the torch? If so, why do we find that our numbers are not growing? Surely loss of members due to retirement or death should be outweighed by the increase in new members; is this not the case? Our membership, as of August 31, stood at 745, which as noted above is an increase and (we hope) the beginning of a positive trend, but it is also more or less where we stood in the early 1980s. Many of these members are currently paying less than it costs us to send them the journal (which is why the Board recently voted to increase certain membership category dues; see elsewhere in this newsletter). Are we, in fact, becoming overly content with the Society as it is? Certainly on the heels of the Lafayette meetings contentment and satisfaction were the overriding emotions expressed; I heard several comments to the effect that this is exactly what we envisioned when we began the society many years ago. And yet I hope that we are not content, and that we are all aware of the fact that survival of the Society is entirely dependent upon our ability to not only maintain current

numbers but to grow. Along these lines, our affiliation with SICB needs to be strengthened and affirmed. This was not done well during my time as president, and I will be working more closely as a liaison between SICB and TCS from this point onward. But we should all be working to make this affiliation more secure, and to avoid any impression of disinterest as apparently happened, unfortunately, in Denver. In addition to SICB, we should have representatives at other large national and international meetings, promoting the Society, handing out membership forms, and discussing the many benefits of TCS membership to other biologists.

And so I close my tenure as president of the Society with a challenge to the entire Society: Continue to care deeply about this Society. It is far more than a conglomeration of scientists with similar interests. Encourage others to become members. Discuss with enthusiasm this fascinating field of study that we love so dearly. Participate in more meetings, both crustacean-related and otherwise, and let them know about the Society. Volunteer your time and efforts. There will come a time (if it has not already) when you will

be asked by the Society to do more than your part. When that day comes, be ready, and be willing. This is the way that all successful organizations function; a relatively small handful of good people must devote a considerable amount of their time to the betterment of the entire Society. When you are asked, whether the request is large or small, please be willing to give your time and talents where needed. Despite our current feeling of optimism, look for ways to improve the Society, and communicate these to your Board of Governors. Contentment is sometimes a dangerous thing; let us always continue to search for ways to improve.

Finally, I sincerely thank the officers of the Society and the membership at large for your support and encouragement during the last two years. It has been a pleasure and a privilege to serve and represent you.

See you in Atlanta!

Jody Martin  
TCS President

## Best Student Presentation Awards

The Crustacean Society officially recognized the following student presentations at the May 1999 Summer Meeting held in Lafayette, Louisiana, USA. Two awards were for Best Student Paper for the following oral presentations: Lelania A. Bilodeau (Darryl Felder and Joseph Neigel, co-authors) from the University of Southwestern Louisiana for her paper entitled, "Evidence for multiple paternity in the deep burrowing ghost shrimp, *Callichirus islagrande*" and Lauren M. Mathews from the University of Southwestern Louisiana for her paper entitled, "Evolution of social monogamy in snapper shrimp (Alpheidae)." The award for Best Student Poster was given to Janette Holtz (Anne Morein and Marie Simovich, co-authors) from the University of San Diego for her poster entitled, "Spatial and temporal variation in ephemeral pool crustacean communities."

In addition, honorable mention recognition was given to the following two oral presentations: Pilar Haye (Irv Kornfield, co-author) from the University of Maine for her talk, "Familial relationships within the Cumacea: Preliminary molecular findings," and Katherine Swiney (Thomas Shirley and James Taggart, co-authors) from the Juneau Center, School of Fisheries and Ocean Science, Alaska for her talk, "Reproductive cycle of the dungeness crab, *Cancer magister*, in southeast Alaska.

Each award winner will receive a certificate, a free one-year membership in TCS (which includes a subscription to *Journal of Crustacean Biology*) and a cash award of \$50.00.

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## From the (New) Editor of *Journal of Crustacean Biology*

Arthur G. Humes, Editor. How long have we seen that on the inside front cover of our journal? Arthur Humes started the journal from scratch. He had nothing upon which to build. Can you imagine that? Can you appreciate what he did in order to build the journal from nothing into the well-respected scientific journal it is today? As carcinologists, we owe a great debt of gratitude to him for what he was able to accomplish over the 20-year period he was the editor. When I took over from Arthur in August, 1999, he had dealt with 1,960 manuscripts that had been submitted for consideration of publication, plus innumerable pages of announcements, meeting minutes, book reviews, and obituaries. Every page that was eventually published was improved by his careful attention. Nothing escaped his attention. In journal publishing, it's detail that will either make or break you.

How does an ordinary guy like me follow a classy act like that? I have no special skills. Hopefully, with a lot of hard work, good luck, and a lot of help from a world-class cadre of reviewers, I can continue the tradition. Good editors are not born. They are made by their reviewers. Editors rely on their reviewers and try to pamper them and make them want to do more. The *Journal of Crustacean Biology* has the very best reviewers, whom we thank and honor in the last issue of each volume. However, an editor can never have too many reviewers, so let me make an appeal. If you are a world-class carcinologist and have never reviewed a manuscript for the journal but would like to, please write to me and let me know in what area you have expertise and how I may contact you. For those who may have missed seeing the announcement in volume 19, the new address of the editorial office is as follows:

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I adhere to the philosophy that one should not mess with success. Therefore, do not expect me to make sweeping changes in the journal. I will not. However, you may see some subtle changes creep in, if you look hard. One will be how we list papers that were published in an edited work in the Literature Cited section of your paper. I intend to move the page numbers of the article to precede the name of the editor of the larger work. Why? In my opinion, it reads better that way. I also do not care for the construction "from 1-3" when I believe it should be "from 1 to 3." However, the construction "the range was 1-3" is all right. I believe the currently used abbreviation *N* (for sample size) should be lower-case *n*. The upper-case *N* should be reserved for population estimates. Although we publish articles only in English, I will accept British spelling, such as "colour" and "specialise," rather than insisting on American spelling. However, I will not change the format to delete most punctuation, as recommended in the current Sixth Edition (1994) of the style manual of the Council of Biology Editors, Inc. (now the Council of Science Editors, Inc.); I abhor their latest recommendations in that regard. I have also been asked to move the author's address to the first page, rather than burying it after the Literature Cited.

I do not own the same unabridged dictionary used by Dr. Humes to standardize spellings and word breaks. However, I do own the Webster's New Universal Unabridged Dictionary, Sixth Edition (1983), and will use it, with a few exceptions. One exception is the use of "fresh-water" as an adjective. In some dictionaries, the adjective is hyphenated, but in others it is not. Language changes with time, and I believe scientific English has changed to where "freshwater" is the

most commonly used form of the adjective in most scientific journals.

One interesting movement in carcinology is the attempt to standardize morphological terms. I will be working with other editors toward this end, but I doubt we will be fully successful. The terminology we use is as diverse as the organisms we study. Until some agreement is reached about standardized terminology, however, I will rely on my Webster's unabridged dictionary for the spelling of one particular morphological term: pereopod, or peraeopod if you prefer. Dr. Humes standardized the use of pereopod, and no other variation, in the journal. However, in my dictionary both pereopod and peraeopod are listed, but not the more Americanized "pereopod." Therefore, for now I will accept the two former spellings but not the last.

Recently, there was a flurry of messages on the Internet mail-list discussion group CRUST-L about the acceptance and use of the new names of penaeoid shrimps as published by Isabel Pérez Farfante and Brian Kensley. Some biologists railed against their use, and others defended their use. I received an inquiry recently from the Managing Editor of the *Journal of the World Aquaculture Society* about the issue. He said most authors submitting articles to his journal used the new nomenclature, but acceptance was by no means universal. He admitted to allowing authors to use either system, which was proving awkward for him, and he sought my advice about how the JCB dealt with the issue. He wanted to know if I had announced a policy about the use of the new names or not. Of course, I had not announced a policy, but the recent mail-list discussion and his inquiry made me feel that I should. I replied to his inquiry in the following way: "The elevation to genus level of former subgenera of the penaeoid shrimps by Isabel Pérez Farfante and Brian Kensley (1997) appears to be controversial only among biologists with no background or training in systematics or those who have not read the work. The changes have been adopted by

systematists, because the work was based on sound taxonomic principles, was peer reviewed prior to publication, and meets all the requirements of the International Code of Zoological Nomenclature. As the current Editor of *Journal of Crustacean Biology*, I require authors to use the nomenclature for penaeoid shrimps found in the work by Pérez Farfante and Kensley (1997). If they prefer not to, they are welcome to withdraw their manuscripts from further consideration of publication in the Journal." I suppose that qualifies as a formal policy statement.

Through the ages, authors and editors have always had a love-hate relationship. Authors hate when editors demand changes to their deathless prose, but they usually love the final results. Editors love a well-crafted manuscript, but hate poorly crafted ones. Authors, you must remember that part of my job is to help make you look good before your peers, employers, and the funding agencies. In order for me to do that, you must try to make my job easier. Remember that nothing that is well written is ever written; it is always rewritten. Do not send me your first draft, right out of the word processor. Instead, send me the second or third draft, after it has been more carefully crafted and improved. Additionally, there are some simple things you can do to make my life easier. Format your manuscript exactly as it will appear in the journal; don't use the format of that other journal you were considering or no format at all. Do not use ten-point type or smaller for the text. Do not use boldface type. Leave wide margins. Double-space everything, including tables and figure captions. Form your headings and subheadings exactly like they will appear in the published version. Do not use vertical rules or unnecessary horizontal rules in tables; consult a recent issue to see what the formats for headings, tables, and other elements really are. Do not use computer-applied shading in your graphs; the use of patterns is all right, but ultrafine-dot shading must be treated as a photograph, with poor-quality results. Size your figures correctly for the journal's print bed. Not all figures deserve to be page width, so do not expect them to be. A page-width

figure is 140-mm wide, and a column-width figure is 67-mm wide; the page is 210-mm high. I do not intend to change this size to accommodate larger figures.

As I said above, I must rely heavily on our reviewers. No editor can know everything about the discipline, so the advice of qualified reviewers is critical to the success of our journal. Reviewers, please review the manuscripts I send to you quickly. I know you are busy. If you cannot review the manuscript within a month (or two at worst), then please return it to me right away and suggest someone else who may provide a good review. When you review a manuscript, please review it thoroughly, and in your comments, tell me about the significance of the work and whether the work deserves to be published in a first-class journal or not. I am not qualified to make those decisions alone. You must help me so, together, we can maintain the high standards set by Arthur Humes.

I intend to help our printer, Allen Press, Inc., process our manuscripts faster and with fewer errors by submitting our work to them electronically as well as on paper. At first, I will be forced to submit both electronic and hard-copy forms of a manuscript, with the traditional typesetting markup symbols on the hard copy. As we (authors, editor, and printer) get more proficient at doing this with JCB manuscripts, we may be able to forego the hard-copy markup, which is very time consuming. If we are successful at doing this, The Crustacean Society may see the cost of publishing JCB reduced below the standard cost, because Allen Press gives a per-page discount for electronically submitted work, and there are different discounts depending on the amount of refinement of the electronic version. You will also see your paper published more quickly. We will not be successful if authors do not carefully craft their word-processing files. That means authors can no longer use the space bar to make a paragraph indent or to add spaces between columns in a table. Authors must learn to use word-processing software correctly, instead of treating it as if it were a typewriter, which requires other means to the same end. For now, I am requesting

that everyone submit the final version of an accepted manuscript (only) to me on disk, along with two copies of the hard copy, regardless of how proficient you are at correct typography. We will also realize a small per-page discount from Allen Press even for poorly formatted electronic copy.

More important is the matter of submitting figures electronically. This is a much more complicated matter than the submission of text electronically. We can do it, but everything about the electronic files must be perfect. Allen Press will not correct errors made in the submission of electronic image files, and I do not have the time, equipment, or the inclination to do so either. One pressing issue is the correct sizing of the final electronic image. The editor decides at what size a figure will be published. However, the editor cannot size the electronic image, and Allen Press will not size it. Nor will Allen Press correct the image for the "dot gain" (a printer's term) of their printing presses. Therefore, the editor and the author must work together prior to sending the files to the printer to assure that each figure is sized according to the editor's wishes and that each image file is optimized to give the best results when the image is printed with ink on paper. If you, the author, are unwilling or unable to do that, then submit your figures in the traditional manner. If you can do that and want to, be prepared to work with me to achieve the desired result. Before you send the electronic image files, you must learn from me the final size of each figure in the manuscript, and you must submit a laser- or inkjet-printed proof of the final version to me for approval. Only after I have approved the proofs will I accept the final files.

Not only do you have to satisfy me about your ability to produce good electronic image files, you must also satisfy the specifications for the submission of such files that were established by Allen Press. In this fast-paced electronics age, those requirements may change rapidly. Following are the requirements currently in effect (as of May 1999). They must be adhered to in every detail or the publication of your accepted manuscript will be delayed.



### Guidelines for Submitting Electronic Art Files to Allen Press

(1) The files on the disk must conform exactly to the following specifications established by Allen Press, Inc., for the submission of electronic art.

(2) You must attach a printout of the file list that includes the file name(s), the size, and the kind of file. Each file name must be matched to a figure number. The file list must also identify the journal name, manuscript number, and author(s) of the article.

(3) The figures on disk must be the final size desired, and all mounting must be done electronically. A printout of each image must accompany the disk. Allen Press will not resize electronic art. Nor will they balance ("curve") brightness and contrast of electronic images. Therefore, it is incumbent on the author to work with the Editor regarding sizing and quality of the images prior to submission of the electronic images to the editorial office and to Allen Press.

(4) Indicate on the list the input resolution on any images that have been scanned. Line art must be scanned at 1200 dots per inch (472 dots per centimeter). Halftones must be scanned at 450 dpi (177 dpc).

Combination halftones (i.e., continuous grade plus line art) must be scanned at 600 dpi (236 dpc). Color must be scanned at 300 dpi (118 dpc).

(5) Dot sizes should range from 4 percent dot (highlight areas) to 96 percent dot (shadow areas).

(6) Indicate the file format of the images. Only Tagged Image File Format (TIFF) or Encapsulated Postscript (EPS) formats for both Macintosh and PC platforms are acceptable. Images in JPEG, GIF, or similar formats will be 72 dpi and are unacceptable for the printing process.

(7) The screen and printer font files for any text added to the figure electronically must be included on the disk. Only Adobe Postscript fonts for either Macintosh or PC platforms are acceptable. Do not use True-Type or system "bitmap" fonts.

(8) Do not send multiple versions of the same figure.

(9) If the files have been compressed, indicate what compression format was used (i.e., Stuffit, WinZip, etc.).

(10) The following disks may be submitted: For Macintosh: 3-1/2 inch diskettes; 44, 88, and 200 Mb Syquest disks (5-1/4

inches); Zip disks; Jaz disks, and CD-ROM. For PC: 3-1/2 inch diskettes; Syquest EZFlyer; Zip disks; Jaz disks; and CD-ROM. Label the disk with the journal name, the manuscript number, the first author's name, and the operating system of the hardware used (i.e., Macintosh OS, Windows xx, etc.).

Now, that's not so hard, is it? As these specifications change, notices will be posted on the TCS web site and announced on CRUST-L. Additional instructions for the preparation of text will be posted on the TCS web site in the near future.

In order to reduce the volume of e-mail inquiries about the status of individual manuscripts, we have established a Manuscript Tracking Page on the TCS web site. Thanks go to our Secretary and webmaster, Jeff Shields, for helping me set it up. Visit the site to learn about the processing of your manuscript. The page will be updated approximately once each month.

Respectfully submitted,  
David K. Camp, Editor,  
*Journal of Crustacean Biology*

## TCS Cost of Membership Increase

In September, the TCS Board of Governors voted to increase by \$10 the dues for three of the TCS membership categories. The reason for this is that the Society was actually losing money in our most commonly used category (Associate Member), where it was costing the Society more money to produce and send the journal than was coming in through membership. It was felt by the Board that another \$10 per member would be seen as a reasonable increase (the first in many years) that would not jeopardize the number of members. The new membership categories and prices are below.

These prices will take effect for the 2001 calendar year.

Associate member (no journal): \$30  
Associate member (journal, for cases of financial hardship): \$65  
Associate member (journal): \$85  
Sustaining member (journal): \$100  
Patron member (journal): \$150  
Nonmember institutional subscription to JCB: \$105 (outside North America, \$125)  
Supporting institutional member: \$200  
Sustaining institutional member: \$300  
Patron institutional member: \$500

### Mysid Specialist Wanted



A specialist is needed to write a chapter of a book dealing with the mysid fauna of mainly freshwater and salt lakes from Africa, Australia and the Pacific Islands. The book will be put together as a joint international effort with Prof. Dumont. For additional information, please contact Elva Escobar Briones at [escobri@mar.icmyl.unam.mx](mailto:escobri@mar.icmyl.unam.mx).



## E-Mail Directory

The TCS E-mail Directory was first published in the May 1996 issue of the *Ecdysiast* (Vol. 15, No. 1), although it included only those members that had responded to previous queries. Since then, changes and additions have been printed in subsequent issues of the newsletter. If your address or contact numbers have changed or you have not been included previously in the directory, please send the appropriate information to Tim Stebbins, *Ecdysiast* Editor.

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## Stone Mountain Fairy Shrimp Where Are You?

Is the rarest fairy shrimp in the United States extinct? Alice Richards, a naturalist for the Stone Mountain Memorial Association, has been unable to spot any in pools on Stone Mountain in Georgia, their only known habitat. Dr. John Spooner, University of South Carolina, has been unsuccessful in finding any while conducting unrelated research on other rock outcrops within the Georgia Piedmont physiographic region. Richard Hill did not find any cysts in samples of pool sediments collected by John Milio, U.S. Fish and Wildlife Service, and Alice Richards. Attempts by Denton Belk to hatch Stone Mountain fairy shrimp from some of these same samples have also proved fruitless.

Largely as a result of being unable to demonstrate that *Branchinella lithaca* is still extant, the U.S. Fish and Wildlife Service announced on 27 May 1998 that it would not afford *B. lithaca* protection under the U.S. Endangered Species Act [*Federal Register* 63(101): 28963-28964]. They did however, state their intention to continue to monitor the status of the Stone Mountain fairy shrimp and its potential habitat areas. The Large Branchiopod Working Group continues to urge all biologists visiting rock pools in the Georgia Piedmont physiographic region to be on the lookout for fairy shrimp. Please collect specimens of any fairy shrimp observed and send them to Denton Belk (840 East Mulberry Avenue, San Antonio, Texas 78212-3194, phone 210-732-8809) or to John F. Milio (U.S. Fish and Wildlife Service, 6620 Southpoint Drive South, Suite 310, Jacksonville, Florida 32216-0912, phone 904-232-2580, extension 112).

The last documented collection of the Stone Mountain fairy shrimp was by Dr. R. B. Platt of Emory University in 1951 (Dexter, R. W. 1953, *The American Midland Naturalist* 49: 751-771).

## Contributions to the Ecdysiast

The *Ecdysiast* is published twice a year and mailed with the May and November issues of the *Journal of Crustacean Biology* (published and mailed by Allen Press, Lawrence, KS). In addition, the newsletter is available for viewing or downloading from the TCS web site (<http://www.lam.mus.ca.us/~tcs/>).

Submissions for the spring (May) newsletter should be in by mid-March, while those for the fall (November) newsletter should be in by mid-September. This allows the editor to compile, produce, print and ship the newsletters to Allen Press in time to meet the *JCB* mailing deadlines.

Anything of interest to the TCS membership is welcome, including notices of upcoming meetings and symposia, regional updates, research and job opportunities, important research findings, new publications, other related societies, and basically all things crustacean. Although contributions may be submitted in any form, electronic submissions via e-mail are preferred and strongly encouraged. This saves the editor an enormous amount of time and minimizes transcription errors in the process. Submit all materials directly to the editor via e-mail (tds@sdcity.sannet.gov) or at the address listed at the bottom of page 1 of this newsletter (Tim Stebbins, *Ecdysiast* Editor).



## Crustacean News: Meetings & Workshops

### TCS 1999 Summer Meeting

The 1999 Summer Meeting of the Crustacean Society took place in Lafayette, Louisiana, from 26-30 May. About 260 participants made this the most successful summer meeting in the 19-year history of the Society. Attendees came from Argentina, Australia, Bangladesh, Brazil, Colombia, Denmark, France, Germany, Hong Kong, Israel, Italy, Japan, Korea, Lithuania, Mexico, The Netherlands, Nigeria, Singapore, Spain, Switzerland, U.K., Venezuela, in addition to many from the U.S.

Papers were given in two parallel sessions, and were grouped into several symposia, including molecular methods, astacology, blue crab studies, general crustacean papers, and the heavily attended Manning Symposium, the latter being papers on mantis shrimps and decapods in honor of Ray Manning. Many of these papers will appear in a special issue of the *Journal of Crustacean Biology*, at which time there will be a rash of species named 'manningi' or 'manningorum'.

While the quality of the presentations was really high, that of the hospitality provided by our Louisiana hosts was probably even higher. From the spicy buns at the coffee breaks, to the shrimp etouffee at lunch, and the deep-fried turkeys and crawdad boil at the alumnus center, food was ever-present, generous to overflowing. Zydeco music helped to shake down this abundance, while the informal tennis games and boat trips to look at habitats were welcome interruptions to the central activity of eating. All paled in comparison, however, with the banquet on the final night, which was in honor of Ray and Lilly Manning. Host Darryl Felder of the University of Southwestern Louisiana, Ray's longtime friend and collaborator, conducted a roast that was by turn hilarious and touching, with a photographic record that had the audience in stitches. Rafa Lemaitre paid tribute by revealing some of Ray's mischievous and quirky side, which provoked roars of laughter. (Did you know that while working

in Tunisia, Ray was arrested and jailed for being in a car with a woman who was not his wife; that he made Lilly fall in love with him by shooting watermelon seeds at her with his fingers; that he's an expert pitcher of cork-baseball; that his favorite toy is the potato gun; that his favorite foods are burnt potato chips and black beans and rice; and that he keeps a beach house in Reedville, Virginia, primarily to play tricks on unsuspecting friends, such as freezing their underwear, short-sheeting their beds, and placing red Koolaid powder in the shower heads?) Jody Martin, president of the Society, presented Ray with the Society's Award for Excellence in Research, in recognition of a career-long contribution to carcinology. Ray was the initiating force in the founding of the Society, was elected the first president, and continues to be an important reviewer of manuscripts, but perhaps most importantly, is the hub of a vast network of collaboration, training, and enhancement and exchange of collections, that has had a major role in strengthening carcinology world-wide. It is hard to imagine a more fitting tribute to this most worthy recipient.

Contributed by Brian Kensley and  
Rafael Lemaitre

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### Biodiversity Workshop Phuket, Thailand

A workshop on the Biodiversity of Crustacea in the Andaman Sea, was held at Phuket Marine Biological Center (PMBC), Phuket, Thailand from 29 November to 20 December 1998. The workshop was financed by DANIDA Scientific Cooperation Program as part of a joint program between the Zoological Museum, University of Copenhagen, Denmark and Phuket Marine Biological Center, Department of Fisheries, Thailand. The coordinator and organizer was Dr. M. Berggren, the on-site organizer was

Mr. Somchai Bussarawit, and the editor of the proceedings is Dr. N. L. Bruce.

The primary aim of the workshop was to work with the samples brought in by the vessel R/S *Chakratong Tongyai* from the shelf area off the western side of Thailand. Older material in the collection at PMBC, as well as material collected from some field trips to reef areas of the surrounding islands of Phuket, were also available during the workshop. The goal is to identify the collected material to genus/species, produce species lists with geographical distributions, and species descriptions, and if possible to produce keys to the identified genera and species. Results of the workshop will be published as a refereed proceedings, and is planned to be in print during the first half of year 2000.

Many new findings from the area were discovered during the workshop, and preliminary results from most of the participants showed many new species. The workshop itself was a great success and with pleasant weather, good food and beautiful surroundings, Phuket Marine Biological Center is the perfect place for tropical workshops.

The participants were: TANAIIDACEA: S. Aungsupanich, Thailand, and K. Larsen, Australia. CUMACEA: L. Watling, USA. AMPHIPODA: G. Dinesen, Denmark, R. Evans, Australia, M. Hugget, Australia, T. Jansen, Denmark, P. Leelawathanakoon, Thailand, J. K. Lowry, Australia, A. A. Myers, Ireland, and L. Wongrat, Thailand. ISOPODA: N. L. Bruce, Australia, J. Olesen, Denmark, J. Svavarsson, Iceland, and M. Storey, Australia. BRACHYURA: C. Aungtonya, Thailand, P. J. F. Davie, Australia, A. Kaenpet, Thailand, and P. K. L. Ng, Singapore. PAGURIDEA: P. McLaughlin, USA. PENAEOIDEA: S. Bussaravit, Thailand. CARIDEA: M. S. Berggren, Sweden, and S. Chiatiamwong, Thailand.

Contributed by Matz Berggren  
via Peter Ng

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## Crabs and Their Environment Workshop

It should be of interest to members of TCS that the "IV Taller sobre Cangrejos y Cangrejales" (IV Workshop on Crabs and their Environment) and the "I Jornada Argentina de Carcinologia" (I Argentine Carcinological Meeting) were held from 5-8 April 1999. During these events, almost 130 papers on different aspects of biology, ecology, taxonomy, physiology, etc of crustaceans were presented. The full abstracts are available for download from <http://www.octopus.furg.br/taller>. It is necessary to mention that most of abstracts are written in either Spanish or Portuguese.

Contributed by Euclides Santos

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## 7CCDM Meetings

The 7th Colloquium Crustacea Decapoda Mediterranea was held in Lisbon, Portugal between 6-9 September 1999 and hosted by José Paula, Faculty of Sciences, University of Lisbon. Much information concerning the Colloquium was made available in advance at website address <http://www.culture-natura.ulpt/7ccdm.html> and this will remain open until December to provide news with regard to publication of the proceedings. The scientific committee was comprised of representatives from many European countries in addition to members from Brazil, South Africa, USA, and Algeria.

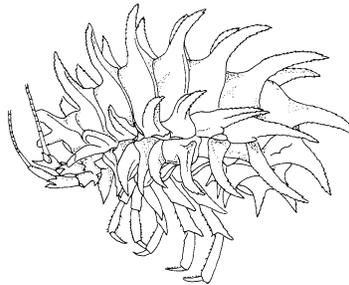
This very successful and friendly international meeting was attended by 182 delegates from 30 countries. Contributions from the participants included 11 plenary presentations lasting 45 mins each, 79 contributed papers of 15 mins duration and 110 posters. Included in the 7CCDM, were the 2nd Crustacean larval conference, a meeting on thalassinids and a session on Mangroves. This meeting was sponsored by Laboratório Marítimo da Guia, Oceanário de Lisboa, Jardim Botânico and Departamento de Zoologia e Antropologia, University of Lisbon,

IMAR, Fundação Luso-Americana, Fundação para a Ciência e a Tecnologia, Delta Cafés and Agua Serra da Estrela. We thank them all for their support. The delegates are also grateful to the students of Faculty of Sciences, University of Lisbon for their enormous efforts, which ensured the smooth running of the conference. The meeting closed with the delegates confirming that the 8CCDM will be hosted by M. Thessalou-Legaki, in Greece during early September 2002.

Contributed by Paul Clark

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## Amphipod Colloquium



The Xth International Colloquium on Amphipoda will be held in Heraklion, Crete, Greece from April 16-21, 2000. The colloquium provides an opportunity to researchers working on the Amphipoda to meet and exchange their research experience and scientific achievements in order to enhance cooperation and to improve scientific communication. It is open to anyone who has an interest in the Amphipoda.

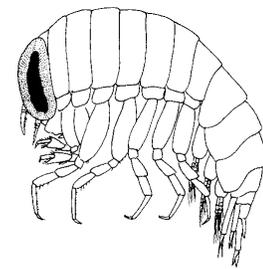
This Colloquium will be held at the Institute of Marine Biology of Crete in Heraklion, the capital of Crete. Crete, the largest of the Greek Islands, borders both the Aegean and the Libyan Seas and lies between Europe and Africa. The Island is mountainous with undisturbed rocky coast, particularly on the south coast, long sandy beaches, as well as small pocket beaches and pebbled sea shores. Heraklion, developed even at the time of the Minoan civilization (2800-1150 BC) is now served by several daily flights from Athens and has several direct connections from a number of other

European cities. In addition, there are ferry links from Piraeus.

The official language of the Colloquium will be English. Proceedings will be published as a special volume in *Polskie Archiwum Hydrobiologii*. Although the pre-registration and abstract deadlines have already passed (15 October 1999), it is still possible to register for the meetings. Fees are 130 Euro (until 1 March 2000) or 150 Euro (after 1 March 2000), with registered participants receiving: (1) access to all scientific lectures; (2) book of abstracts; (3) copy of Proceedings in *Polskie Archiwum Hydrobiologii* (4) coffee and tea during breaks; (5) welcome drinks during opening ceremony; (6) Colloquium dinner.

For additional information, please contact:

Adam Baldinger, Museum of Comparative Zoology, Harvard University, 26 Oxford Street, Cambridge, MA 02138-2902 USA (Tel: 617-495-2468; Fax: 617-495-5667; e-mail: [abaldinger@oeb.harvard.edu](mailto:abaldinger@oeb.harvard.edu))




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## Symposium on Habitat Loss and Crustacean Biodiversity

The TCS Conservation Committee is organizing a symposium and contributed paper sessions on crustacean biodiversity from the habitat perspective, for the TCS Annual Summer Meeting in Puerto Vallarta in June 2000. We are soliciting contributed papers, posters and symposium presentations. If you are interested in presenting in any of the sessions or want more information, please contact Karen Lee ([ktlee@imap.pitt.edu](mailto:ktlee@imap.pitt.edu)). We are seeking presentations to address crustacean biodiversity in as many habitats



as possible. Please join us for what promises to be an interesting series of presentations on this very important topic.

Confirmed presenters and tentative titles:

- G. A. Boxshall: Habitat disturbance, vagile species and copepod biodiversity.  
 E. L. Wenner and A. F. Holland: Urbanization of the southeastern US: implications for crustacean populations.  
 G. I. Scott: The effects of urbanization on grass shrimp population dynamics in high salinity estuaries of the southeastern USA.  
 T. E. Philippi and M. A. Simovich: Patterns in crustacean community composition in Southern California vernal pools.  
 C. Sassaman and M. Fugate: The biology of Branchinecta: How can basic science guide conservation efforts?  
 L. Watling: The role of mobile fishing gear in reducing habitat complexity of the world's continental shelves.  
 G. A. Bishop: Conservation of paleontologic resources and ancient habitats.  
 F. Flores Verdugo and M.E. Hendrickx: Degradation of mangrove habitats and its potential impact on crustacean natural communities.  
 B.E. Taylor and A. E. DeBias: Strategies for conserving the diverse assemblages of microcrustaceans in Carolina Bays, wetland ponds of southeastern North America.  
 T. M. Iliffe: Biodiversity of anchialine crustaceans and threats to cave and groundwater habitats.

Submitted by Karen T. Lee  
 TCS Conservation Committee Chair

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### Mangrove Macrofauna Meeting

A meeting on the biology, ecology and exploitation of mangrove macrofauna will be held in Mombasa, Kenya during September 2000.

In spite of the large number of meetings on Mangroves and Mangrove Ecology

held over the past few years, we believe that insufficient attention has been given to the macrobenthic species.

For the past three years, seven institutions have been working on the macrofauna of mangroves in Kenya, Tanzania, Mozambique and South Africa. This collaboration was possible under a E.U. funded programme - the Macrobenthos of Eastern African Mangroves (MEAM). The MEAM group has thus decided to convene a Conference specifically focusing on the benthic fauna of mangroves worldwide.

The conference will be held in Mombasa, Kenya, during the first week of September 2000. The venue will be a beach hotel outside Mombasa, combining good conference facilities with a scenic and relaxed setting. Mombasa has excellent air connections with all areas, either direct or via Nairobi. It is close to several excellent mangrove areas and field excursions will be arranged as part of the programme. Participants could easily extend their stay for a beach or safari holiday, or to visit Zanzibar.

A Scientific Committee including N. Duke (Australia), J. Lee (Hong Kong), F. Micheli (USA), P. Ng (Singapore), A. Sasekumar (Malaysia), M. Vannucci (ISME), and E. Wolanski (Australia) has been created. We are expecting a commitment from ten more scientists.

Contributions should focus on benthic mangrove macrofauna, the animals living in association with mangroves for all or part of their life histories. Crabs, prawns and molluscs are the major taxa involved but contributions on any other relevant taxa are welcome. Sessions will be planned on the biology (including genetics and systematics), ecology, exploitation and aquaculture of these organisms.

Additional information should be forthcoming.

The MEAM group:

W. Emmerson, University of Transkei, Umtata, South Africa; R. Hartnoll, University of Liverpool, U.K.; A. Macia, University of Eduardo Mondlane, Maputo, Mozambique; L. Omodei-Zorini, University of Florence, Italy; J. Paula,

University of Lisbon, Portugal; R. K. Ruwa, Kenya Marine and Fisheries Research Institute, Mombasa, Kenya; J. Shunula, Institute of Marine Science, Zanzibar, Tanzania; M. Vannini, University of Florence, Italy.

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### Crabs in Cold Water Regions Meeting

Alaska Sea Grant announces the 19th Lowell Wakefield Symposium, "Crabs in Cold Water Regions: Biology, Management, and Economics" to be held January 2001 in Anchorage, Alaska. For further information, see the call for papers at:

<http://www.uaf.edu/seagrant/Conferences/crab-call.html>

and/or send your full postal mailing address to FYCONF@uaf.edu to be added to the database for future mailings.



The Fourth International Large Branchiopod Symposium is scheduled for 23-27 January 2001 in La Paz, Baja California Sur, Mexico. The meeting is being organized by Dr. Alejandro Maeda-Martinez and Dr. Gopal Murugan. Be sure your name is on the list for future announcements and registration information. E-mail requests for information and suggestions to Dr. Maeda-Martinez (almaeda@cibnor.mx) or Dr. Murugan (murugan@cibnor.mx).

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## Melbourne Victoria Australia

invites all carcinologists to the

### **Fifth International Crustacean Congress**

and

**Summer 2001 meeting of The Crustacean Society**

9-13 July 2001

University of Melbourne

*Interim Organising Committee*

Gary Poore, Environment Program, Museum Victoria, Melbourne (Chairman)  
 Chris Austin, School of Aquatic Sciences and Natural Resources, Deakin University, Warrnambool  
 David Hobday, Marine and Freshwater Resources Laboratory, Queenscliff  
 David Macmillan, Department of Zoology, University of Melbourne, Parkville  
 Richard Marchant, Environment Program, Museum Victoria, Melbourne

Dates for the meeting are now set and some thinking is going into the program not only in Melbourne but elsewhere. We are looking for themes for symposia to run within the meeting and already some suggestions are coming forward.

The Third Crustacean Larval Conference (convenor Paul Clark, The Natural History Museum, London, pfc@nhm.ac.uk)  
 Systematics and Biology of the Anomura (convenors Christopher Tudge and Rafael Lemaitre, National Museum of Natural History, Smithsonian Institution, Washington, tudge.christopher@nmnh.si.edu)  
 Copepods (convenor Geoff Boxshall, The Natural History Museum, London, g.boxshall@nhm.ac.uk)  
 Ecotoxicology (convenor Malcolm Jones, University of Plymouth, M.Jones@plymouth.ac.uk)  
 The impact of fishing on crustacean communities (convenor Les Watling, Darling Marine Center, University of Maine (watling@maine.maine.edu)

We are pleased to hear more ideas for symposia or specialist sessions. Pre- and post-conference field work is also being considered in the kelp forests of southern Australia and coral reefs at Lizard Island, northern Queensland.

A first notice for expressions of interest will appear before the end of 1999.

for further information contact

Dr. Gary C. B. Poore, Museum Victoria, 71 Victoria Crescent, Abbotsford Vic 3067, Australia  
 phone (61-3) 9284 0215  
 fax (61-3) 9416 0475  
 email gpoore@mov.vic.gov.au



## Publication News

### The Future of Crustacean Issues

As I am sure most members of the society are aware, A.A. Balkema Publ. in Rotterdam established the series CRUSTACEAN ISSUES 18 years ago to publish periodic overviews of fields of specialty within carcinology. These books have largely revolved around the publication of many of the TCS symposia held at our annual meetings. These, however, have never been confined to just the papers from the public meeting, but have almost always entailed papers by additional authorities in those fields to insure an adequate overview of the entire subject in question. In addition, special thematic volumes have been organized from time to time. The professional reception of CRUSTACEAN ISSUES has been very strong. Citation of papers in those volumes ranks right up there with citation of research in our regular journals, *Journal of Crustacean Biology* and *Crustaceana*.

A.A. Balkema is an old company and one that currently specializes in publication of research materials in the hard sciences. In addition to CRUSTACEAN ISSUES, the Balkema firm has published other books related to crustacean science. As a commercial publisher, he does not do this from any sense of altruism for our field, but obviously wants to make some profit from the books. In recent years, however, the sales of volumes to Balkema's dismay have declined. To try and reinvigorate sales, prices on the volumes have recently been substantially cut, and a special standing discount to society members of an additional 20% off has been instituted.

Mr. Balkema is hoping that the barely break-even status of the series will be put solidly into the black. But quite frankly, the series is in danger of being discontinued. As an example, CI-8, "History of Carcinology," published as a special service to our society membership on the occasion of its 10th anniversary, has never sold more than a few hundred copies. Currently in production is the second

volume of the proceedings of the ICC-4 in Amsterdam last year, some 80 papers spanning all fields of crustacean biology — an immense service to our field. Future volumes will include an overview of marine isopods, in connection with commemorating the career of the late Tom Bowman. There are plans afloat for a possible review of endangered crustacean species and conservation. And we are contemplating plans to expand the series to include single author monographs and review volumes.

However, the future really depends on the members of TCS. Buy the volumes, or subscribe to the series. The books are competitively priced, especially with the society discount. If you cannot purchase books yourself, then recommend that books be purchased by your institutional libraries. We have more than 700 members in TCS, and if the just mentioned suggestions were acted on, the series would be safe. Right now, the Balkema company is wondering if the series has any support at all amongst the carcinological community.

The future of CRUSTACEAN ISSUES is in your hands.

Submitted by Fred Schram

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Editor's Note: An order form for CRUSTACEAN ISSUES 1-11, including the new reduced prices plus the 20% TCS discount, was published in the May 1999 issue of the *Ecdysiast* (Vol. 18, No. 1). If you do not have a copy of that newsletter, it can be downloaded from the TCS web site ([www.lam.mus.ca.us/~tcs/](http://www.lam.mus.ca.us/~tcs/)). -TDS

### ICC4 Proceedings

The first volume of the proceedings of the Fourth International Crustacean Congress held in Amsterdam in July 1998 has been published.

Schram, F.R. and J.C. von Vaupel Klein (eds.) Crustaceans and the Biodiversity

Crisis. Koninklijke Brill Publ., Leiden. 1021 pp. ISBN 9004113878 (Cost is: Nlg 495/US\$291.50).

All participants in the congress who paid either the full general registration fee, or the full student registration fee, will receive this volume as part of their congress benefit. Other interested people can purchase the book from:

Brill Academic Publishers  
Post Box 9000  
NL-2300 PA Leiden, Netherlands  
([cs@brill.nl](mailto:cs@brill.nl) or <http://www.brill.nl>)

The second volume of the ICC-4 proceedings is now with its publisher, A.A. Balkema Publ. and page proofs are only now being set. So publication of that volume is not expected before the end of the year.

Contributed by Fred Schram

### Jerry Barnard Publication

Memoirs of Museum Victoria has recently published another paper by the late Jerry Barnard:

Barnard, J.L., 1999. Revision of Laphystiopsidae (Crustacea: Amphipoda): new and old species from South China Sea, southeastern Australia, Falkland Islands and Western Atlantic Ocean. *Memoirs of Museum Victoria* 57: 287-310.

Copies of this and some of Jerry's earlier papers on Australian amphipods are available on request from:

Dr. Gary C. B. Poore  
Senior Curator, Crustacea  
Museum Victoria, 71 Victoria Crescent,  
Abbotsford Vic 3067 Australia  
Phone: (61-3) 9284 0215  
Fax: (61-3) 9416 0475  
Email: [gpoore@mov.vic.gov.au](mailto:gpoore@mov.vic.gov.au)

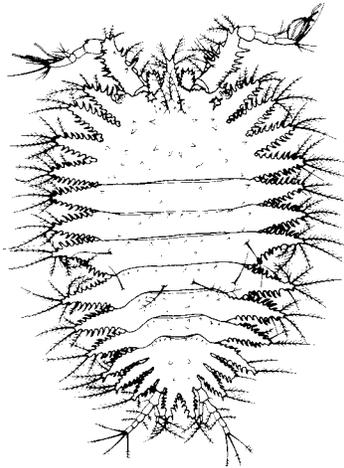
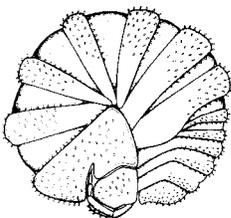
## Traité de Zoologie Crustacés Péracarides

Traité de Zoologie, Tome VII - Fascicule III A, Crustacés Péracarides. Sous la direction de Jacques Forest. 464 pages, 431 figures, 29 tableaux. ISBN 2-7260-0202-1. Mémoires de l'Institut océanographique, Monaco, No. 19 (1999)

The *Traite de Zoologie* was devised and organized by P.-P. Grasse as a "didactic work intended for students as well as for specialists," with the purpose of placing at their disposal a clear and modern synthesis of the knowledge on the various animal groups. As it has evolved, the form of the *Traite*, with several hundreds of collaborators, has no equivalent in international zoological literature.

Crustacea volumes I and II of tome VII of the *Traite de Zoologie* were published in 1994 and 1996 respectively, by Editions Masson. The first included general papers on the group, the second concluded the general account and began the Systematics (Cephalocarida to Syncarida). Volume III, originally planned as a single volume, has been divided into volume IIIA (Peracarida) and volume IIIB (Hoplocarida and Eucarida), both to be published in the *Mémoires de l'Institut océanographique, Monaco*.

Following the first two Crustacea volumes, the third volume (IIIA) is now published, devoted to the very large assemblage of Peracarida. The first chapter of volume IIIA (Les Peracarides: un groupe controversé), by Robert R. Hessler and Les Watling, reviews the characters which traditionally define this superorder, and also the debate that has taken place during recent years, which has cast some doubt on its homogeneity. The eight included orders are treated in individual chapters, except the Isopoda,



from which the Epicarida have been given a separate chapter. The Thermosbaenacea are covered in chapter 2 by Theodore Monod and Philippe Cals. Geoffrey A. Boxshall treats the Spelaeogriffacea in Chapter 3, while the Mysidacea are covered by H. Nouvel, J.-P. Casanova and J.-P. Lagardere in chapter 4. Chapter 5 includes coverage of the Mictacea by Robert R. Hessler. Denise Bellan-Santini treats the Amphipoda in chapter 6. The Isopoda are covered in chapter 7 (Gnathiidea, Flabellifera, Valvifera, Anthuridea, Asellota, Phreatoicoidea, Oniscidea) by Marie-Louise Roman and Henri Dalens, and chapter 8 (Epicaridea) by Jean-Paul Trilles. The Tanaidacea are treated in chapter 9 by Modest Gutu and Jurgen Sieg. Chapter 10 concludes the volume with an account of the Cumacea by Mihai Bacescu and Iorgu Petrescu. As in the previous volumes, each group is provided with an account of the present knowledge in the field covered by the *Traite*: morphology and internal anatomy, physiological features, reproduction and development, ethology and ecology, biogeography, phylogeny and, lastly, systematics, with the classification presently used. The text is supported by a great number of illustrations: drawings, SEM photographs, and diagrams, either original, or reproduced from the literature. Lastly, with more than 1700 references, the work is also a very rich bibliographic source.

Price of volume IIIA is 750.00 F (114.34 E) + postage costs. Price for volumes I + II + IIIA is 1500 F (228.7 E), postage included.

To order, please contact: Anne Toulemont, Editions scientifiques du Musée océanographique, Avenue Saint Martin, MC 98000 Monaco; Tel: +377 93 15 36 00; Fax: +377 93 15 36 58; Email: pub@oceano.org.

## Mediterranean Amphipods

Also available from the *Mémoires de l'Institut océanographique, Monaco* are the following publications on the gammarid amphipod fauna of the Mediterranean.

The Amphipoda of the Mediterranean. Ed. Sandro Ruffo. *Mémoires de l'Institut océanographique, Monaco*, No. 13. ISBN 2-7260-0132-7 (ensemble des volumes)

Part I. 1982. Gammaridea (Acanthonotomatidae to Gammaridae). pp. I-XIII & 1-364, 1 carte, 2 tabl., fig. 1-243. ISBN 2-7260-0133-5; 60,98 Euro = 400,00 F.

Part II. 1989. Gammaridea (Haustoriidae to Lysianassidae). pp. XV-XIX & 365-576, fig. 244-396. ISBN 2-7260-0140-8; 38,11 Euro = 250,00 F.

Part III. 1993. Gammaridea (Melphidippidae to Talitridae); Ingolfiellidea; Caprellidea. pp. XXI-XXV & 577-813, fig. 397-553. ISBN 2-7260-0160-2; 38,11 Euro = 250,00 F.

Part IV. 1998. Localities and map, addenda to parts 1-3, key to families, ecology, faunistics and zoogeography, bibliography, index. pp. XXVII-XLIV & 815-959, 1 carte, 7 tabl., 32 fig. ISBN 2-7260-0201-3; 27,44 Euro = 180,00 F.

Prices do not include postage. For additional information or to order, please contact: Anne Toulemont, Editions scientifiques du Musée océanographique, Avenue Saint Martin, MC 98000 Monaco; Tel: +377 93 15 36 00; Fax: +377 93 15 36 58; Email: pub@oceano.org.



## Tropical Indo-Pacific Deep-Seafauna

Résultats des Campagnes MUSORSTOM. Volume 20, 1999. Mémoires du Muséum National d'Histoire Naturelle, Tome 180, Zoologie. Alain Crosnier, ed. 588 pp., 192 figs., 2 photos.

**T**he Résultats des Campagnes MUSORSTOM is an ongoing series on the deep-seafauna of the tropical Indo-Pacific. Initially focused on the New Caledonia region, the series has now expanded to cover other South Pacific islands and island groups, in particular Vanuatu, Wallis and Futuna, Fiji and the Marquesas. MUSORSTOM, which rests on an international network of collaborating taxonomists, is the most ambitious ongoing program of deep-sea zoological exploration.

The present volume contains contributions by eleven authors from Japan, New Zealand, USA and Europe, and deals with isopod and decapod crustaceans (6 papers), as well as deep-sea corals (1 paper), bryozoans (1 paper), and snake eels (1 paper). The results present new data on the morphology, systematics and distribution of more than 250 species. One new subfamily, five new genera and 60 new species are described. Of broader biological interest are the descriptions of new biological associations, e.g., between hermit crabs and Zoanthidea, and between acrothoracican cirripedes and corals. Carrier shells (*Xenophora*) were found to incorporate into their shells species of deep-sea corals that have otherwise never been collected by conventional means, which draws attention to the still inadequate sampling intensity of the tropical deep-sea benthos. The bryozoan genus *Pseudothyraella*, previously known as a Paleogene fossil in Europe and North America, is added to the list of "living fossils," being represented by a new, living species.

The MUSORSTOM series is a joint program of the Muséum national d'Histoire naturelle and the Institut Français de Recherche Scientifique pour le Développement en Coopération (ORSTOM).

Price of the volume: 116 US\$, 600 FF, or 210 NLG (excluding VAT) + Postage. To order, please contact:

Muséum National d'Histoire Naturelle  
Service des Publications Scientifiques.  
Diffusion: Delphine Henry, 57, rue  
Cuvier, F-75005 Paris. Tel: [33] 01 40  
79 37 00; Fax: [33] 01 40 79 38 40; E-mail:  
dhenry@mnhn.fr.

or

Dr. W. Backhuys, P.O. Box 321, NL-2300  
AH Leiden, The Netherlands. Tel: [31]  
(71) 517 02 08; Fax: [31] (71) 517 18 56;  
E-mail: backhuys@euronet.nl.

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## Inventory and Distribution of Decapods

Udekem d'Acoz C. d', 1999. Inventaire et distribution des crustacés décapodes de l'Atlantique nord-oriental, de la Méditerranée et des eaux continentales adjacentes au nord de 25 N. Collection "Patrimoines Naturels" (Muséum National d'Histoire Naturelle / S.P.N.), Paris. Vol. 40: 383 pages. ISSN-1158-422 X, ISBN 2-86515-114-10. Price = 200 FF.

**T**his book [Inventory and distribution of Crustacea Decapoda in North-eastern Atlantic Ocean, Mediterranean Sea and adjacent continental waters, north of 25 N] is in French, with an extended abstract of 10 pages in English. For more information, please contact:

Delphine Henry, Service des Publications Scientifiques (Diffusion), Muséum national d'Histoire naturelle, 57, rue Cuvier, F-75231 Paris cedex 05, FRANCE. Tel: France 01 40 79 37 00, International [33] 1 40 79 37 00; Fax: France 01 40 79 38 40, International [33] 1 40 79 38 40; E-mail: dhenry@mnhn.fr.



## Branchiopod CD-ROM

**E**rich Eder (Erich.Eder@univie.ac.at) announces the following new CD-ROM about large branchiopods (Anostraca, Notostraca, Conchostraca):

"Urzeitkrebse" (E. Eder, Ed.) ISBN 3-901216-05-7 (500 MB), EUR 17, available in any library (may be NOT YET entered in the online order system).

Contents:

- New, corrected edition of the sold-out book "Urzeitkrebse Oesterreichs" (Stapfia 42, 1996) (11 authors, 169 pp.).
- high quality Video feeds (total 5 min.) of the German movie "Tod auf Zeit – Urzeitkrebse als Ueberlebenskuenstler", which was awarded with numerous prizes.
- Audio feeds (25 min) of an Austrian radio broadcasting about large branchiopods.
- scientific and popular scientific articles about Branchiopoda.
- world-wide species list (starting: to be continued online).
- bibliography, internet links, etc.

The CD-ROM is mainly written in German, but contains English abstracts and also basic information in Spanish. You need a good multimedia-PC and an up/to/date html-browser. For best performance, .avi and .wav files may be copied to the harddisk.

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## Shrimp Mailing List

In mid-April 1999, Dan Fegan, a shrimp farmer and consultant with over 20 years of experience in Latin American and Asia started "shrimp@onelist.com", a mailing list for shrimp farmers. To get on the list, go to web site "[www.onelist.com](http://www.onelist.com)" and subscribe to shrimp@onelist.com via the user center. Alternatively, you can go directly to [www.onelist.com/subscribe/shrimp](http://www.onelist.com/subscribe/shrimp). If you have problems (and as a last resort only), contact Dan Fegan at [dfegan@usa.net](mailto:dfegan@usa.net) and he will sign you up.

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## ICZN 4th Edition

The new and extensively revised 4th Edition of the *International Code of Zoological Nomenclature* was published in September 1999. It will come into effect on 1 January 2000 and will entirely supersede the current (1985) edition. Some notes about the new edition, which contains many new provisions, can be found on the Commission's Website ([www.iczn.org](http://www.iczn.org)).

The price of the 4th Edition is £40 or \$65; the following discounts are offered:

**Individual members of a scientific society** ordering one copy of the Code for personal use are offered a discount of 25% (price £30 or \$48); the name and address of the society should be given.

**Individual members of the American or European Associations for Zoological Nomenclature** ordering one copy of the Code for personal use are offered a discount of 40% (price £24 or \$39).

**Postgraduate or undergraduate students** ordering one copy of the Code for personal use are offered a discount of 25% (price £30 or \$48); the name and address of the student's supervisor should be given.

**Institutions or agents** buying 5 or more copies are offered a 25% discount (price £30 or \$48 for each copy).

Prices include surface postage; for Airmail please add £2 or \$3 per copy.

Copies of the Code may be ordered from ITZN, c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: [iczn@nhm.ac.uk](mailto:iczn@nhm.ac.uk)) or from AAZN, Attn. D.G. Smith, MRC-159, National Museum of Natural History, Washington, D.C. 20560-0159, U.S.A. (e-mail: [smithd@nmnh.si.edu](mailto:smithd@nmnh.si.edu)).

Payment should accompany orders. Cheques should be made out to "ITZN" (sterling or dollars) or to "AAZN" (dollars only). Payment to ITZN (but not AAZN) can also be made by credit card (Visa or MasterCard only) giving the cardholder's number, name and address and expiration date.

Individual purchasers of the Code are offered a 50% discount on one copy of the following publications for personal use:

*The Official Lists and Indexes of Names and Works in Zoology* (1985) — reduced from £60 to £30 and from \$110 to \$55.

*Towards Stability in the Names of Animals — a History of the International Commission on Zoological Nomenclature 1895-1995* (1995) — reduced from £30 to £15 and from \$50 to \$25.

*The Bulletin of Zoological Nomenclature* (the Commission's quarterly journal) — discount valid for up to 5 years; for 1999 the discounted price would be £51 or \$90.

Translation of the Code in a number of languages are planned and their availability will be announced on the Commission's Website.

## Describing Species

*Describing Species*. Judith Winston. 1999. Columbia Press. 500 pp.

Available both in hardcopy and paperback, this much-awaited reference manual serves as a style guide for writing and filing species descriptions. The first of its kind, the publication is a useful tool for professionals and students involved in all aspects of biology. The author, who is the director of research at the Virginia Museum of Natural History and a former curator and chair of the Department of Invertebrates at the American Museum of Natural History, has included special chapters for every aspect of species description. Using multiple examples, *Describing Species* contains information on recognizing species, establishing species identity, writing species descriptions, naming species, type and voucher material, and diagnosis. The manual also includes sections on ecology, taxonomic discussion, sub-species, genus-level description, family-level description, and common problems in taxonomy. The author has also included both the International Code of Zoological Nomenclature and the International Code of Botanical Nomenclature. Ordering information is available from the Columbia Press Website ([www.columbia.edu/cu/cup](http://www.columbia.edu/cu/cup)).

## Prawn Fishery Website

A new website for the project **Comparative Studies of the Current State of Fishery of the Native Prawn *Penaeus kerathurus* Population in North Mediterranean** has been officially opened. It can be found at: <http://www.geocities.com/Athens/Atlantis/1963/euro.html>.

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Editor's Note: There has been a recent exchange of messages on the Internet discussion group CRUST-L regarding the acceptance and use of the new generic names of penaeoid shrimps as published by Isabel Pérez Farfante and Brian Kensley (see David Camp's discussion of this issue and the policy of the *JCB* on pages 4-5 of this newsletter). The subject of the above website is one of those species affected by these generic reassignments. According to Pérez Farfante and Kensley (1997, p. 99-102), and as required for publication in the *JCB*, the new and accepted name of this shrimp is *Melicertus kerathurus*. —TDS

Pérez Farfante, I. & Kensley, B.F. (1997). Penaeoid and Sergestoid Shrimps and Prawns of the World. Keys and Diagnoses for the Families and Genera. *Mém. Mus. natn. Hist. nat.*, 175: 1-233.



## ***The Crustacean Society Fall Elections, 1999***

It's time for the TCS 1999 Fall Elections. Four offices are up for grabs this year, including that of President-Elect, Program Officer, Asian Governor and Latin American Governor. Each office is for a 2-year term beginning in 2000. As usual, we have a strong slate of candidates. Please see below for brief biographies of each of the candidates.

You may vote by e-mail or by the ballot attached at the end of this newsletter. E-mail is the preferred method as it expedites the process. Please take the time to vote for your favorite candidate, and therefore participate in the future of our society. The deadline to return completed ballots is **December 15, 1999**.

To vote by e-mail, please put "**TCS 1999 Ballot**" in the Subject field and limit the message field to "office: candidate" as indicated below:

President-elect: name of candidate  
 Program Officer: name of candidate  
 Asian Governor: name of candidate  
 Latin American Governor: name of candidate

E-mail messages that contain other informational or commentary stuff will be subject to rejection. Send your selections to Dr. Jens Høeg, TCS President-Elect, at [jthoeg@zi.ku.dk](mailto:jthoeg@zi.ku.dk).

To vote by regular mail, please mark your ballots and return them to: TCS Fall 1999 Elections, Care of: Dr. Jens T. Høeg, Department of Zoomorphology, Zoological Institute, University of Copenhagen, DK-2100, Copenhagen, Denmark.

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### **PRESIDENT-ELECT**

#### **Gary C. B. Poore**

Museum Victoria, Melbourne, Australia ([gpoore@mov.vic.gov.au](mailto:gpoore@mov.vic.gov.au))

Dr. Gary Poore is a marine biologist with 30 years experience in taxonomy of marine crustaceans and environmental ecology. He has a broad knowledge of the taxonomy of marine invertebrates and is an authority on Crustacea. He has published numerous papers on crustacean systematics, revised several major taxa and described many new taxa particularly of Isopoda. He has published as well as on biodiversity, community structure and community-environment interaction of estuarine, shallow water and slope benthos. At present he is supervising four PhD students in crustacean systematics and biogeography. He has extensive involvement in sampling, analysis and description of complex benthic marine ecosystems, especially in areas under stress or threat. Importantly, he contributed two chapters to the Australian State of the Marine Environment Report (1996), has contributed data and points of view to the marine bioregionalisation process, and is active in the identification of introduced marine pests. Gary has contributed to TCS as convener of its Nomenclature Committee and as Indo-Pacific Governor. He is convening the Fifth International Crustacean Congress in Melbourne, Australia, 9-13 July 2001.

#### **Elva Escobar Briones**

Instituto de Ciencias de Mar y Limnología, Universidad Nacional Autónoma de México, Mexico ([escobri@mar.icmyl.unam.mx](mailto:escobri@mar.icmyl.unam.mx))

Dr. Elva Escobar received her M.S. in Fisheries and Biological Oceanography from the Universidad Nacional Autónoma de México (UNAM) in 1983 and a Ph.D. from the same institution in 1986. From 1989 to 1991, she was a Research Associate at the Institute of Marine Sciences and Limnology (ICML) at UNAM, and she was a Postdoctoral Fellow in the Department of Oceanography, Texas A & M University from 1991 to 1993. Since 1993, Dr. Escobar has held professorships at ICML UNAM where she was appointed Full Professor in 1998. Her research interests are in aquatic ecology, benthic community structure and function, and crustacean ecology. She has published numerous papers, including 31 papers in peer reviewed journals, 8 papers in proceedings from international meetings, 2 book chapters, and an additional 16 papers published in journals without peer review. She has been the recipient of a variety of funded grants and awards, and she has served as the PI or Co-PI on 18 research cruises. Dr. Escobar has been the Latin American Governor of TCS since 1995.

**Klaus Anger**

Biologische Anstalt Helgoland, Stiftung Alfred-Wegener-Institut für Polar- und Meeresforschung, Helgoland, Germany (kanger@awi-bremerhaven.de)

Dr. Klaus Anger obtained the degree of Dr.rer.nat. from the University of Kiel in 1975 under Prof. W. Noodt. He thereafter obtained his present tenured position. After his doctoral thesis on the effects of sewage pollution on shallow-water macrobenthos he switched to clean macrobenthos (ecology of amphipods, cumaceans, starfish, polychaetes) and participated as an “aquanaut” in several research missions of underwater laboratories around the world. His present research interests focus on the ecology and life history of decapod crustaceans (he considers himself “still as an old-fashioned marine zoologist”). Special interests include all aspects of larval development; principal approach: experimental ecophysiology or maybe better, physioecology. He is a much traveled scientist collaborating with a broad range of international partners. In addition to his ca. 100 papers he is Editorial advisor for the Crustacean-larvae newsletter “Zoea” (Spain), a frequent reviewer for various journals and funding agencies, a TCS member of TCS since the beginning, and members of the Latin American Crustacean Society (ALCA) and the Association of Marine Laboratories of the Caribbean (AMLC).

**PROGRAM OFFICER****Jack O’Brien**

University of South Alabama, Mobile, Alabama U.S.A. (jobrien@jaguar1.usouthal.edu)

Dr. Jack O’Brien received his B.A. from Stanford University in 1967 and then served four years as a Peace Corps Volunteer with the Philippine Malaria Eradication Service. He received his Ph.D. in 1984 in Biology from the University of California at Santa Barbara with Adrian Wenner as his major advisor. He worked in the laboratory of Dr. Dorothy Skinner as a post-doctoral fellow and research assistant at Oak Ridge National Laboratory. Currently Dr. O’Brien is an assistant professor (with tenure) in the Dept. of Biological Sciences at the University of South Alabama, Mobile, AL. His research interests include physiological and ecological aspects of crustacean growth, the ecology and biology of parasites, especially rhizocephalan barnacles, and biochemistry of the crustacean integument. He has been a member of The Crustacean Society since 1983, has chaired the TCS Awards Committee since 1995, and is the current TCS program officer.

**Marie A. Simovich**

University of San Diego, San Diego, California U.S.A (simo@acusd.edu)

Dr. Marie Simovich is an Associate Professor at the University of San Diego. She obtained her Ph.D. in 1985 from The University of California, Riverside and did postdoctoral research at The Museum of Natural History, Los Angeles and again at the University of California, Riverside. She has already obtained a long series of grants and awards and supervises many students. Many of her 20+ papers deal with branchiopod biology. Her current research focuses on species composition, life history strategies and population structure of vernal pool fauna of California, development of a hydrogeomorphic model for evaluation of ephemeral wetlands. Her general research interests comprise population biology of vernal pool organisms, including conservation and management considerations. She is also interested in the use of biochemical and molecular genetic techniques for the investigation of ecological and evolutionary consequences of diapause, differential selection in multiple species reproductive interactions, the development of isolation mechanisms, hybrid zone dynamics, the role of hybridization in the process of speciation, and the role of sexual system in speciation. She is a reviewer for several journals and has frequently been an invited speaker at symposia.

**ASIAN-GOVERNOR****Peter K. L. Ng**

National University of Singapore, Singapore (dbsngkl@nus.edu.sg)

Dr. Peter Ng obtained a B.Sc. with honours first class from the National University of Singapore in 1984 and a Ph.D. from the same Institution in 1990. He is presently full Professor in Zoology. He has obtained many awards and prizes and his publication history includes an astounding ca. 270 refereed papers, 18 books, 38 book chapters and 72 non-refereed publications. He has



also supervised 20 M.Sc. and Ph.d. students. He has held many senior academic positions including: Biodiversity Coordinator, South China Sea Initiative, ASEAN; Board of General Advisors, Encyclopedia of Life Support Systems (EOLSS), UNEP England. He is the current TCS Asian Governor. His research spans the systematics, ecology, and zoogeography of brachyuran crabs; larval development of crabs and other crustaceans; freshwater fish taxonomy, ecology and biology.

### **Mark J. Grygier**

Lake Biwa Museum, Shiga, Japan (grygier@lbn.go.jp)

Dr. Mark Grygier obtained a Ph.D. in Marine Biology in 1984 at the Scripps Institution of Oceanography (U.C.S.D.). From 1984 to 1997 he held various post-docs and research fellowships, including positions in Denmark, at the Smithsonian Institution U.S.A., in Australia, and in Austria. Since 1988 he has worked mainly in Japan at the Kyoto University and the University of the Ryukyus, Sesoko Marine Science Center and Tropical Biosphere Research Center (almost 4 years) until he obtained his present permanent post as senior curator at the Lake Biwa Museum in 1997. Dr. Grygier's research interests span many crustacean groups, but he is most widely known for his long and impressive series of papers on the parasitic Ascothoracida. He has written several invited reviews, notably on the Ascothoracida in the "Traité de Zoologie". His research interests now include the phylogeny of Maxillopoda; taxonomy, comparative morphology, and comparative larval development of Ascothoracida, Facetotecta, and Monstrilloida; parasitic crustaceans of marine invertebrates; distribution and larval development of "large branchiopods" (especially clam shrimps) from rice paddies. He has also worked on the taxonomy of Myzostomida. He is a frequent reviewer for many journals, associate editor for *Species Diversity*, and on the editorial board of *Benthos Research*, *Japanese Journal of Benthology*, *Sessile Organisms* and on the International Advisory Board of *Zoosystematica Rossica*.

## **LATIN AMERICAN GOVERNOR**

### **Fernando A. Alvarez**

National Crustacean Collection, Instituto de Biología, UNAM, México (falvarez@servidor.unam.mx)

Dr. Fernando Alvarez Noguera obtained a B. Sc. in biology from the Facultad de Ciencias, Universidad Nacional Autónoma de México in 1984, a Master's degree from Tulane University in 1987, and a Ph.D., in Zoology, from the University of Maryland, College Park, Maryland, in 1993. He joined the Instituto de Biología (IB), UNAM, in Mexico City where he is now "Investigador Titular" (equivalent to assistant professor). He was named Curator of the National Crustacean Collection (CNCR) in 1993 and was appointed Head of the Zoology Department of IB in 1995. Dr. Alvarez has published 28 scientific papers, dealing mostly with the systematics of decapods, especially freshwater decapods from the neotropics, and with the interaction of rhizocephalan barnacles with their decapod hosts. Within the first area of interest, Dr. Alvarez has described mainly new species of freshwater crabs in the family Pseudothelphusidae, palaemonid shrimps, and crayfishes of the family Cambaridae. Regarding the study of rhizocephalan barnacles, his studies have focused on the effects of the parasites on hosts at the population level, as well as on the parasite's larval biology. Other contributions include 7 book chapters and a number of short papers in publications for the general audience. Dr. Alvarez has been teaching uninterruptedly since 1985, as a teaching assistant while at graduate school, and as main lecturer since 1993. Nine students have obtained undergraduate (4) and graduate (5) degrees under his sponsorship. He has participated as a referee for a number of money granting agencies in Mexico, and has reviewed papers for 10 different scientific journals.

### **Marcos Tavares**

Santa Ursula University, Rio de Janeiro, Brazil (mtavares@ax.apc.org)

Marcus Tavares received his Ph.D. in Biological Oceanography from the Université Pierre et Marie Curie, Paris in 1994, and a M.S. in Zoology from the Museu Nacional, Universidade Federal do Rio de Janeiro in 1989. Dr. Tavares is presently a Full Professor at Santa Ursula University, Rio de Janeiro, where he is also Coordinator of the Graduate Program in Marine Sciences (1996-present) and Coordinator of the Oceanographic Activities of the RV Ursula (1997-present). Beginning in 1999, he has also served as Correspondant du Muséum national d'Histoire naturelle, Paris. He is a member of a number of professional societies, including the Sociedade Brasileira de Carcinologia, Sociedade Argentina de Carcinologia, Asociacion Latino-Americana de Carcinologia, The Crustacean Society, The Japanese Carcinological Society, Groupe d'Études et de Réflexion sur l'Évolution des Crustacés (GEREC, Paris), and the Biological Society of Washington. He has served on The Crustacean Society Nomenclature Committee (1996), the Brazilian Council of Oceanography (1998), and the Brazilian Government Department "Ministério do

Meio Ambiente” (REVIZEE, 1996-present). Dr. Tavares has served as Guest Editor, *Zoosystema*, Paris (1999) and as a referee for a number of journals. His research interests include the systematics, zoogeography, and biology of decapod crustaceans, worldwide. He has published 40 peer-reviewed papers, 18 abstracts, 1 edited volume, 4 technical reports, and 3 book articles. He has attended and participated in a number of international meetings, including the Second International Crustacean Conference in Brisbane, the TCS Summer Meeting in Charleston, the Première Conférence Européenne sur les Crustacés in Paris, the International Senckenberg Symposium Crustacea Decapoda in Frankfurt, the TCS Summer Meeting in Fort Pierce, the Second European Crustacean Conference in Liège, the Third International Crustacean Conference in Amsterdam, and the TCS Summer Meeting in Lafayette.

### **Paulo S. Young**

Museo Nacional / UFRJ, Brasil (psyong@acd.ufrj.br)

Dr. Paulo Young is employed in the Department of Invertebrates at the Museo Nacional / UFRJ in Rio de Janeiro, Brasil. His research interests are focused on the Cirripedia, where he has published many papers. His work includes many species descriptions, as well as papers dealing with zoogeography, and higher level phylogeny using numerical cladistics. Dr. Young was also Editor of the “Catalogue of the Crustacea of Brazil (vol. 6).” He frequently attends international meetings and has well-established contacts with many carcinologists in South America.

## *Upcoming TCS Meeting Schedule*



**Winter 2000 TCS Meeting**  
**4-8 January 2000**  
**Atlanta, Georgia, USA**

The 2000 Winter Meeting of TCS will be held in Atlanta, GA in conjunction with the Society for Integrative and Comparative Biology (SICB). See the meeting web site ([www.sicb.org/conference](http://www.sicb.org/conference)) for details.

**Summer 2000 TCS Meeting**  
**26-30 June 2000**  
**Puerto Vallarta, Mexico**

The 2000 Summer Meeting will be held in Puerto Vallarta, Mexico. See the information and registration packet beginning on page 20 of this newsletter or the meeting web page ([www.ibiologia.unam.mx/TCS](http://www.ibiologia.unam.mx/TCS)) for details.

**Winter 2001 TCS Meeting**  
**3-7 January 2001**  
**Chicago, Illinois, USA**

The 2001 Winter Meeting of TCS will be held in Chicago, Illinois in conjunction with SICB.

**Summer 2001 TCS Meeting**  
**9-13 July 2001**  
**Melbourne, Australia**

The 2001 Summer Meeting of TCS will be held in Melbourne, Australia in conjunction with Fifth International Crustacean Conference. See the announcement on page 11 of this newsletter for additional information.

**Winter 2002 TCS Meeting**  
**6-10 January 2002**  
**Anaheim, California, USA**

The 2002 Winter Meeting of TCS will be held in Anaheim, California in conjunction with SICB.



## The 2000 Crustacean Society Summer Meeting

June 26-30 – Puerto Vallarta, Mexico

### Hosted by

Universidad Nacional Autónoma de México

Instituto de Ciencias de Mar y Limnología (Main campus and Mazatlán)  
Instituto de Biología

(with the generous support and assistance of)

the Academia Mexicana de Ciencias

**Meeting Site:** The meeting will center in the Hotel Krystal, Puerto Vallarta, Av. de las Garzas s/n; 48300 Puerto Vallarta, Jalisco, México, Phone 52 (322) 402 02; Fax 52 (322) 401 50 and 401 11, (please check <http://www.puerto-vallarta.com>) located in the west coast of Mexico and 6 km from the Puerto Vallarta Regional Airport. It is in walking distance of the Puerto Vallarta downtown area by the beach, and close to many restaurants, fast food outlets, taverns, parks and shopping centers. Puerto Vallarta is a great place to be in Mexico. The dress and atmosphere are casual, the food is great, and the people are friendly.

**Lodging:** The Krystal, Puerto Vallarta is a grand tourism hotel, located along the shore of Banderas Bay (Bahía Banderas) in the northern hotel zone. It is only five minutes away from the International Airport and ten minutes from the downtown area by taxi. The meeting has set aside a limited block of rooms for our use at a meeting rate of \$65.00 USD double room and \$75.00 USD triple room per night excluding local taxes; these can be reserved for single or shared use and are convenient to meeting rooms and social events. To reserve a room there, mail or FAX the enclosed registration form or contact the Krystal, Puerto Vallarta, Av. de las Garzas s/n; 48300 Puerto Vallarta, Jalisco, México, Phone 52 (322) 402 02; Fax 52 (322) 401 50 and 401 11; e-mail [kvallart@krystal.com.mx](mailto:kvallart@krystal.com.mx). To receive the TCS room rate, be sure to indicate that you are attending the 2000 TCS Summer Meeting. A number of alternative hotels are located within a short walking distance from the meeting hotel, and may be contacted for reservations should our needs exceed the number set aside at the Krystal Puerto Vallarta. Included among these are some options with less amenities and lower room costs. To request a list of these, please contact our web page (<http://www.ibiologia.unam.mx/TCS>) or Puerto Vallarta's web page (<http://www.puerto-vallarta.com>).

**Transportation:** Puerto Vallarta is a resort city of 250,000 on the Pacific coast of Mexico famous for its beaches, shops, cobblestone streets, mariachis and vendors. The city is located where tropical deciduous and thorn forests of the Western Sierra Madre mountains meet the warm waters of the Pacific Ocean.

**Weather:** The climate is tropical-humid, with average temperature of 26° C (70° F). June lies at the start of the rainy season, so be prepared to bring your umbrella and water proof gear if you will be walking in the downtown area or sailing.

**Travel:** Puerto Vallarta can be reached in a number of ways. Gustavo Díaz Ordaz International Airport is located 4 miles northeast of the city. Direct flights are available from several cities in the United States. Airlines serving the city include Aero Mexico, Alaska Airlines, America West Airline, American Airlines, Continental Airlines, Delta Airlines, Mexicana Airlines and Northwestern Airlines. The airfare from San Francisco, San Diego or Dallas varies between \$400 to \$500 USD. Early reservations are suggested for better prices. You can also fly to Mexico City or Guadalajara and then take a local flight to Vallarta. The cost of these flights are (\$12 USD) from Mexico City or \$80 USD from Guadalajara. Additional information on the airport and the area can be obtained from the web page (<http://www.puerto-vallarta.com>).

If you prefer, you can also take a bus or drive. There are direct services from both cities in first class busses. The costs are between \$43 to \$56 USD from Mexico City and about \$20 USD from Guadalajara. If you prefer to drive, from Mexico City you will take the MEXICO 15 highway to Toluca and continue from there to Guadalajara. Car Rentals are available in both Guadalajara and Mexico City. This journey is 547 km and will take about 6 hours. Once in Guadalajara you continue on the MEXICO 15 highway towards Tepic, 65 km before Tepic you take the deviation to highway MEXICO 68 towards Compostela. After Compostela you pass the town of Las Varas and then the highway changes to MEXICO 200 road that takes you for about 107 km, by the seaside, all the way to Puerto Vallarta. This drive is 338 km from Guadalajara and takes 4 to 5 hours. Highways in Mexico are toll roads, the cost from Mexico City to Guadalajara will be \$40 USD and from Guadalajara to Compostela \$12 USD.

If you are adventurous and want to drive or take the bus all the way from the US to Vallarta, here are two routes. From Mexicali, you will take the road MEXICO 2, crossing the desert all the way to Caborca following on highway MEXICO 2 to Santa Ana. From there you will take highway MEXICO 15 to Mazatlán, passing Hermosillo, Los Mochis and Culiacán. From Mazatlán follow the MEXICO 15 road that becomes the MEXICO 15 highway near Tepic. About 65 km after Tepic you will take the deviation to the MEXICO 68 highway to Compostela as explained above. You could also take the Tijuana route all the way down the Baja California Peninsula to La Paz on the Mexico 1 road and take the Ferry Service to Mazatlán following the route to Vallarta as described above.

**Registration:** Pre-registration and advance purchase of banquet tickets is strongly encouraged to facilitate meeting arrangements. Instructions for advanced payment will soon be available. Do not combine payment for registration fees with payment for hotel reservations. On-site issue of badges, printed programs and meeting packets, along with late registration, will be conducted in the aside Krystal Puerto Vallarta lobby 6-8 pm on Monday June 26; 7:30 am - 3 pm on Tuesday June 27, and 7:30 am - 12 noon on Wednesday June 28, 2000.

**Oral presentations and poster sessions:** All speakers (invited and contributing) and presenters of contributed posters must complete and submit the Abstract Transmittal Form (including diskette) and the Pre registration Form, as furnished in this issue of the newsletter or as downloaded from our website (<http://www.ibiologia.unam.mx/TCS>). Unless otherwise arranged, payment must accompany the pre registration form. Oral presentations will be scheduled for 12 minutes, with 3 minutes for questions; time limits will be enforced strictly. Speakers are encouraged to use the 35 mm slide (Kodak Carousel) projectors that will be provided (with operators and remote controls) in meeting rooms; overhead projectors can be readily provided if requested. Any other A/V requests will require special arrangements and adequate advance notice; requests should be noted on the margin of the abstract form and submitted to Dr. Elva Escobar any of the Symposia Chairs. Posters will be limited to no more than 48 x 72 “ (124 x 186 cm) displays; use of a 40 x 60” format is encouraged, if possible; push pins will be provided for mounting.

**Sessions and Symposia:** In addition to our typically varied contributed paper/poster sessions on all aspects of crustacean biology, three major Symposia will include the topics “*Freshwater Crabs of the World*” [Organizer and symposium chair – Dr. Fernando Alvarez], “*Macro-crustaceans of the Eastern Pacific*” [Organizer and symposium chair – Dr. Michel Hendrickx], and “*Crustacean Conservation Issues*” [Organizer and symposium chair – Dr. Karen Lee].

**Coffee Breaks:** Mid-morning complimentary coffee breaks will include light snacks, coffee, fruit, juices and lemonade; afternoon breaks will be limited to the beverages. All will be served adjacent to poster displays, and are available only to registrants wearing proper identification badges.

**Social Events:** A welcome social, concurrent with the opening registration period, will feature complimentary beer, wine, and snacks (and a cash bar) on the evening of Monday June 26 from 6-8 pm. The Thursday evening banquet will be preceded by a Happy Hour with complimentary beer and wine from 6:30-7:30 pm.

**Lunches:** All lunches will be on your own, and can be purchased in the hotel or in restaurants in a short walking distance or drive there from the hotel. You may need to budget the time you allow for this.



**Field trips:** Field trips will be scheduled only if adequate interest is indicated on the pre-registration forms and may be subject to group size limitations; five short one day activities have been suggested and the cost will depend upon the number of interested participants, it is estimated to run about \$ 10/person. Outdoor activities in Puerto Vallarta are attractive, further information can be found at the web page <http://www.puerto-vallarta.com>. Additional options, including several day trips or a short cruise may be arranged prior to the meeting and announced on the webpage (<http://www.ibiologia.unam.mx/TCS>) and in the final program.

**Preliminary Schedule of Events:**

*Monday, 26 June:* Registration and evening Welcome Social [registration beginning 6 pm]

*Tuesday, 27 June:* Registration; General Session and Freshwater Crabs of the World Symposia [registration beginning 7:30 am, sessions at 8:30 am]

*Wednesday, 28 June:* Registration; General Session and Macrocrustaceans of the Eastern Pacific Symposium [registration beginning 7:30 am, sessions at 8:30 am]

*Thursday, 29 June:* General Session and Crustacean Conservation Issues Symposium; end of the meeting evening banquet .

*Friday, 30 June:* Optional coastal, marine and inland field trips.

**International Student Financial Assistance:** Given the cost of international travel, students traveling from overseas or South/Central America may qualify for funds to cover the partial costs of the meeting. Please note that these alternatives can be requested only by international students participating as first authors who pre register for the meeting. The amount of this support is limited, and requests may exceed availability. Inquiries should be directed to the symposia organizers and chairs.

For additional information you are invited to contact:

Dr. Elva Escobar Briones: [escobri@mar.icmyl.unam.mx](mailto:escobri@mar.icmyl.unam.mx); phone (52) 5622.5835; fax (52) 5622.5835

Dr. Karen T. Lee: [ktlee@imap.pitt.edu](mailto:ktlee@imap.pitt.edu); phone (814) 269.2912; fax (814) 269.7261

Dr. Fernando Alvarez: [falvarez@servidor.unam.mx](mailto:falvarez@servidor.unam.mx); phone (52) 5622.5701; fax (52) 5550.0164

Dr. Michel Hendrickx: [michel@mar.icmyl.unam.mx](mailto:michel@mar.icmyl.unam.mx); phone 52 (69) 82 55 46; fax (69) 82 61 33

Or contact us through the Meeting e-mail address: [TCSsummer.meeting@ibiologia.unam.mx](mailto:TCSsummer.meeting@ibiologia.unam.mx).

Also watch for further announcements, registration forms, and program updates on our developing web page (<http://www.ibiologia.unam.mx/TCS>).

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Editor's Note: At the time this newsletter was being prepared, some of the above meeting details were being revised or updated. Please check the meeting website ([www.ibiologia.unam.mx/TCS/](http://www.ibiologia.unam.mx/TCS/)) for periodic updates and new information. –TDS



# TCS Summer Meeting — Puerto Vallarta, Jalisco, Mexico

(see webpage at <http://www.ibiologia.unam.mx/TCS/>)

**June 26-30, 2000**

## Preregistration Form

(you must register to present or attend sessions; preregistration deadline is January 31, 2000)

Name to appear on badge: \_\_\_\_\_

Institutional affiliation, as to appear on badge: \_\_\_\_\_

Your mailing address: \_\_\_\_\_  
\_\_\_\_\_

Work phone: \_\_\_\_\_ Home phone: \_\_\_\_\_

FAX: \_\_\_\_\_ E-mail: \_\_\_\_\_

<u>Number</u>	<u>Item</u>	<u>Total US\$</u>
_____	TCS Member registration @ \$100 (add \$25 after January 31, 2000)	_____
_____	Nonmember registration @ \$125 (add \$25 after January 31, 2000* join TCS to get above rate)	_____
_____	Registrant's spouse badge @ \$20 Spouse name: _____ (for socials only; allows lunch and purchase of banquet tickets; not for admission to talks or poster sessions)	_____
_____	Welcome reception, Wednesday evening	[Free to registrants]
_____	Thursday night banquet	[Free to registrants]
	<b>TOTAL ENCLOSED</b>	_____

[Enclose check made payable to "TCS" in US \$, or equivalent amount in Mexican pesos to the exchange rate or enclose completed Credit Card Registration, last page of registration packet]

Are you interested in possible weekend field trips or recreational activity in the Puerto Vallarta area? If so, mark those of interest below; this survey will determine which are to be scheduled; modest costs may apply for some, and will be communicated to you prior to your confirmation:

\_\_\_\_\_ scuba diving and snorkeling    \_\_\_\_\_ bird watching    \_\_\_\_\_ short cruise    \_\_\_\_\_ whale watching  
\_\_\_\_\_ hiking in the Sierra Madre    \_\_\_\_\_ visit to turtle camp    \_\_\_\_\_ more than one day trip

Please mail forms and payment to:

TCS, Dr. Elva Escobar Briones  
Unidad Académica Sistemas Oceanográficos y Costeros  
Instituto de Ciencias del Mar y Limnología  
Universidad Nacional Autónoma de México  
A.P. 70-305, 04510 México, D.F.

Phone: (52) 5622.5835 (office)  
Fax: (52) 5616.0748 (office)

\*Become a member with JCB subscription for \$75 (\$20 without JCB) by enclosing separate check to "TCS"

**TCS Summer Meeting — Puerto Vallarta, Jalisco, Mexico**  
**June 26-30, 2000**

**Abstract Transmittal Form** (for invited or contributed papers)

Please complete (typewritten in English or Spanish) and return by January 31, 2000: TCS, c/o Dr. Elva Escobar Briones, Unidad Académica Sistemas Oceanográficos y Costeros; Instituto de Ciencias del Mar y Limnología; Universidad Nacional Autónoma de México, A.P. 70-305; 04510 México, D.F. or fax (52) 5616.0747. Acknowledgment of abstract will be sent by e-mail.

Author(s), last name first: \_\_\_\_\_

\_\_\_\_\_

Institution of first author: \_\_\_\_\_

Address of first author: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ FAX: \_\_\_\_\_ E-mail: \_\_\_\_\_

Format (check one): \_\_\_\_\_ contributed oral presentation; \_\_\_\_\_ contributed poster presentation  
\_\_\_\_\_ invited oral symposium presentation (if so, indicate which below)

- |   |   |
|---|---|
| 1. _____ Fresh water crabs of the world | 2. _____ Macro-crustaceans of the Eastern Pacific |
| 3. _____ Crustacean conservation issues | 4. _____ Other crustacean issues                  |
| 5. _____ General session presentation   | 6. _____ None                                     |

Is paper eligible/entered for TCS best student paper award? \_\_\_\_\_ A/V needs: \_\_\_\_\_

**Abstract:** Please use type no smaller than 12 pitch or 10 point. Submit the abstract BOTH on diskette and as a hard copy. Software must be IBM compatible (either Word or Wordperfect) on Windows 95. The entire abstract must fit within a 4 x 5" (10.2 x 12.7 cm) box, as in example below. Punctuate and style as below; underline name of speaker for oral presentations. Use numbered footnotes to indicate multiple affiliations of authors. Use all capital letters for title. Underline species names; do not type in *Italic*.

<sup>1</sup>Wehrtmann, Ingo, Jaime <sup>2</sup>Cortés, and Jaime <sup>3</sup>Garzón-Ferreira. <sup>1</sup>Inst. de Zoología, Univ. Austral de Chile, Valdivia, Chile; <sup>2</sup>CIMAR, Univ. de Costa Rica, San Jose, Costa Rica; <sup>3</sup>INVEMAR, Santa Marta, Columbia. EGG PRODUCTION IN THREE TROPICAL ROCK-BORING SNAPPING SHRIMPS (ALPHEIDAE).

Most studies concerning rock-boring shrimps deal with possible excavation mechanisms and cavity architecture. Detailed information regarding their reproductive biology is mostly lacking. We describe reproduction in Thunor saxidomus and ...

**TCS Summer Meeting — Puerto Vallarta, Jalisco, Mexico**  
**June 26-30, 2000**

***Credit Card Registration Form*** [use only to pay registration fees and only if you cannot pay by check in US\$]

If you elect to use this payment method, please enclose this form with the completed **Preregistration Form** and mail both to:

TCS, c/o Dr. Elva Escobar Briones  
Unidad Académica Sistemas Oceanográficos y Costeros  
Instituto de Ciencias del Mar y Limnología  
Universidad Nacional Autónoma de México  
A.P. 70-305, 04510 México, D.F.

**[Important: Do not mail registration forms or registration payments to hotel; do not mail hotel room reservation requests/payments to Dr. Escobar]**

Total amount of credit card payment in US\$: \_\_\_\_\_  
(should equal "Total Enclosed" on Preregistration Form)

\_\_\_\_\_  
Cardmember's Signature (sign here); Cardmember herewith acknowledges receipt of services in the amount shown hereon and agrees to perform obligations set forth by the cardmember's agreement with the issuer.

Credit Card Type (circle one below):

**VISA          MASTERCARD          DISCOVER**

Name on Card: \_\_\_\_\_ Number on Card: \_\_\_\_\_

Expiration Date on Card: \_\_\_\_\_

## RESERVATION FORMAT

### Hotel Krystal Vallarta

Av. De. Las Garzas S/N  
C.P. 48300 Puerto Vallarta, Jalisco, México  
Tel: (52+322) 4 02 02  
Fax: (52+322) 4 01 11 / 4 01 50  
E-mail: kvallart@krystal.com.mx

Convention Name: **The Crustacean Society 2000 Summer Meeting**

Participant's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Electronic Mail: \_\_\_\_\_

Arrival Date (MM-DD-YYYY): \_\_\_\_\_

Number of Nights: \_\_\_\_\_

Room Type:     \_\_\_\_\_ Single/Double: \$65.00 USD             \_\_\_\_\_ Triple; \$75.00 USD  
                  Add 15% Fed. Tax + 2% State Tax             Add 15% Fed. Tax + 2% State Tax

Gratuities:     Bell men \$3.00 USD per person In/Out  
                  Maid service \$2.00 USD per room per night

Type of Credit Card: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Name of Cardholder: \_\_\_\_\_

Card Number: \_\_\_\_\_

Signature: \_\_\_\_\_

For deposits or bank transfers outside of Mexico:

**Promotora Turistica Mexicana, S.A. de C.V. / Krystal Vallarta**

**Bank: Nations Bank**

**ABA: 11100025**

**Deposits or transfers: 266-2370-00888 Houston, Texas**

### Deposits and Cancellations Policies

#### **Deposits:**

A deposit of 2 nights plus 17% taxes is required before April 26, 2000 in order to guarantee the space – space upon availability. Send us this format filled.

#### **Cancellations:**

Any room cancellation received after April 26, 2000 will be subject to a two nights room revenue, including taxes, for the room nights cancelled.

# BALLOT



## The Crustacean Society Fall Elections, 1999



**Deadline for return of ballots is  
December 15, 1999**

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Please mark your choice of candidate for each of the TCS offices below, fold, staple, affix a stamp, and mail to Dr. Jens Høeg at the address on the reverse of this form. If you prefer, you may vote via e-mail by placing "TCS 1999 Ballot" in the **Subject** line and sending your selections to Dr. Høeg at [jthoeg@zi.ku.dk](mailto:jthoeg@zi.ku.dk). See page 16 of the *Ecdysiast* for e-mail voting instructions and for a biography of each candidate.

THANKS FOR TAKING THE TIME TO VOTE!!!

### **PRESIDENT-ELECT**

- Gary C. B. Poore
- Elva Escobar Briones
- Klaus Anger

### **PROGRAM OFFICER**

- Jack O'Brien (incumbent)
- Marie A. Simovich

### **ASIAN GOVERNOR**

- Mark J. Grygier
- Peter K. L. Ng (incumbent)

### **LATIN AMERICAN GOVERNOR**

- Fernando A. Alvarez
- Marcus Tavares
- Paulo S. Young

Please detach, fold, staple, stamp and mail you ballot.

Staple

Fold 2

Place  
Stamp  
Here

**TCS Fall 1999 Elections**

*Care of:* Dr. Jens T. Høeg

Department of Zoomorphology

Zoological Institute – University of Copenhagen

Universitetsparken 15, DK-2100, Copenhagen

DENMARK



Fold 1