



# THE E CDYSIAST

Newsletter of the Crustacean Society

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## Message from the President

Dear TCS members,

I thought that after organising The Fourth International Crustacean Congress in Melbourne in 2001, taking on the Presidency of The Crustacean Society would be a breeze. Little did I realise the activity of the Society and my first six months has brought plenty of challenges. Thanks to Jens Høeg, past President, for passing on such a vibrant Society. The Crustacean Society continues to be active in its traditional roles but the Board is aware of the changing world in which science operates.

Jens Høeg established a Review Commission to review aspects of The Crustacean Society operations and make recommendations to the Board. Much work has been done by the seven members on issues around rules and laws, officers, the journal, awards, finances, meetings, membership and recruitment and the Commission reported in August 2002. A summary of their recommendations appears elsewhere in this issue of *Ecdysiast*.

At the elections in 2001 Trisha Spears, Florida State University, was elected President-Elect and Akira Asakura, the new Asian Governor for 2002-2003. Other officers and governors continue to serve. After consultation, Emmett Duffy, College of William and Mary, was appointed to replace Trisha Spears as North American Governor. Treasurer Alan Harvey has announced his wish to step down and a search has found Mary Belk willing to take over this onerous role for the remainder of 2002.

The *Journal of Crustacean Biology* in the hands of Editor David Camp thrives, its numerous papers being of a consistently high quality (see his report elsewhere). The Board was pleased to welcome to its team of Associate Editors, Dr Keith Crandall of Brigham Young University, replacement for Dr Kevin Halcrow who retired. At the initiative of David Camp, JCB is now online through an arrangement with Allen Press and BioOne. This will return a small income to The Crustacean Society. Online availability to members proves too expensive for the time being. JCB is the major cost to the Society and the Board must look seriously at ways to minimise this. While the Board introduced a new publication pricing policy in May 2001, some issues remain. The Review Commission

considered our options and the Board will revisit this issue.

After 21 years of publication JCB holds at Allen Press (and pays for holding) many back-issues. After soliciting the views of the Board, The Crustacean Society offered back-issues for sale. More significantly we felt we could support carcinology in developing countries and from 2002 will offer free subscriptions to 11 laboratories with a crustacean research interest in Cuba, Venezuela, Columbia, Costa Rica, Ecuador, Peru, Argentina, Poland, Bulgaria, Russia and the Czech Republic. Back issues are being distributed to some others.

Our newsletter, *The Ecdysiast*, is not as healthy as the journal, and for the first time in its history the May 2002 issue was not published. *Ecdysiast* Editor Tim Stebbins who has served wonderfully for 6 or 7 years did not have sufficient material from Board members or Society members to proceed. While this is disappointing it is a stimulus for reviewing what the newsletter is supposed to achieve and how members communicate between ourselves in the electronic age. The November issue will be published but the Board will review the future content of *Ecdysiast* during 2002. It would be a real shame to see a publication with such a wonderful name disappear. Tim Stebbins has indicated that it is time for someone new to become editor and a volunteer is being sought (see page 6 of this newsletter).

The Crustacean Society has progressed over the last few years and become more active. Email has facilitated communication between

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governors and there has been a robust exchange of views on JCB pricing policy, student prizes, copyright, access to the mailing list, electronic publishing, and finances.

One trend has been for The Crustacean Society to rely less on the winter meeting timetable of SICB (Society for Integrative and Comparative Biology). This move started in 1992 with the first TCS (northern) summer meeting in Charleston and has continued with summer meetings every year since except 1993. In 1992 and 1996 these competed closely with the European

Crustacean Conferences in Paris and Liege. The first joint meeting outside the USA took place in Amsterdam 1998 (with ECC and the Fourth International Crustacean Congress), Melbourne 2001 (with ICC5) and Lodz 2002 (with ECC4). The 2003 summer meeting will be in Williamsburg, VA, USA, and in 2004 in Iguazu, Brazil, jointly with Congresso Brasileiros sobre Crustaceos. Plans are well underway for the meeting in 2005 in Glasgow (with ICC6). In 2006 the summer meeting will return to USA at a place yet to be decided.

Winter meetings, which essentially attract only North American members, have continued but with waning enthusiasm. Problems with timing (Christmas-New Year) and doubts about the coincidence of interests between TCS and SICB were noted as early as 1990 and in January 2002 no TCS-sponsored symposium was organised at the SICB meeting in Anaheim. This disappointed some TCS members (see page 10 of this newsletter). Although the joint meeting had been notified in *Ecdysiast*, there was little enthusiasm for it during the summer



*The Crustacean Society*  
2002  
*Officers and Regional Governors*



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meeting of 2002 and no local volunteers offered to organise symposia, especially after the costs and efforts put into the Melbourne meeting just six months earlier. The Board is reviewing its commitment to the SICB timetable in the light of other national, international and special-interest-group crustacean meetings, and its constitutional need to meet formally only once a year. A decision will be made in time for the SICB meeting planned for Toronto in January 2003.

I do not see failure to be involved in one potential meeting in 21 years as a failure of The Crustacean Society. Research and communication about Crustacea is healthy. Besides meeting twice a year over more than a decade, the Society publishes an excellent journal and produces a newsletter. The Society website and CRUST-L, maintained by Secretary Jeff Shields, connects our members and other carcinologists electronically. There are active carcinological societies in China, Japan, Brazil, and Latin America plus an informal group in Germany, each with a journal or newsletter or website or meetings.

The peregrinations of the summer meeting, now to its fourth city outside the USA, has guaranteed The Crustacean Society's transition from an essentially USA-based society with some foreign members in 1981 to a truly international society.

Gary C. B. Poore  
President, The Crustacean Society



*New Endowed Fund in Honor of  
Denton Belk  
(see page 14)*

## *Last from the "Past"*

Dear fellow carcinologists,

This is the last official address you will get from me as (now past) president of TCS. When I started my term more than two years ago, one aim was to internationalize and modernize our Society so as to meet the challenges of the new century. I feel, and I hope you agree, that we have now taken multiple steps in the right direction. It is now firmly established that our summer meetings regularly take place outside USA although we should all be aware that many of our members are Americans and have a right to expect regular meetings also in their country. The TCS also now is a prominent member of The International Crustacean Council, which plans the location and time of the major carcinological congresses. As a result, our meeting activities are now perfectly coordinated with the ICCs and the ECCs. Personally, I could also wish for a tighter coordination with the meetings of Copepod, Astacologists, Isopod, and Mediterranean Decapod meetings, but at least now we have a working organization where these issues can be debated between all parties concerned.

Many members will find that our journal remains our most important asset. Exactly for this reason I have worked with editor David Camp on important issues such as the editorial policy and the challenge of electronic publishing. Thanks to David Camp, JCB is now an online journal and I expect we will see even more initiatives in this direction.

Finally, and most importantly, the TCS Review Committee that was set up at the

ICC in Melbourne last year has now filed its report, and their recommendations and advice are right now receiving close scrutiny by the president and officers of the Society. I see this report as perhaps the most important event since TCS was created more than 20 years ago. The many and well advised recommendations of the committee concern issues such as our international profile, the duties and responsibilities of our officers, our award policy, our finances and our meeting activities. I know that president Poore is already well advanced with putting words into action, so I am sure we shall see important suggestions for change from his hand very soon. I would like to take this opportunity to thank all the members of the committee for dedicating time and effort to this task. These thanks are also extended to the "troika" that set up the "charge" which the review committee used to as the basis for its work. It is the dedication of members such as these that have made our Society thrive.

This year we had our Summer Meeting jointly with the European Crustacean Congress in Lodz, Poland. I had been following the preparations very closely and was therefore sorry that I was unable to attend the meeting. But I have learned that the meeting was both well run and well attended, and my congratulations go to our Polish colleagues for a job well done. I look forward to seeing you again in Williamsburg next summer.

No address from this president without a more personal note. I moved into a newly constructed house last year, and this spring made the little natural pond in the garden I have dreamt of for years. Obviously, no fish - so cladocerans, copepods and hexapods (probably crustaceans anyway) were soon thriving. As vernal ponds are disappearing in this country, I have at least a small sanctuary for some of our crustie friends, where I can sit by and enjoy them during "my retirement."

Respectfully submitted  
Jens T. Høeg (TCS Past-President).



## Journal, Newsletter, Website & Poster News

### Journal of Crustacean Biology

#### *JCB Editor's Report to the Board of Governors of The Crustacean Society (June 2002)*

Year 2001, the last year for which there are complete numbers, was a banner year for JCB. Volume 21 began with a tribute to our late founding editor, Arthur G. Humes. The dedicated issue included a biography of Dr. Humes and a tribute to his work as a copepodologist and premier scientist. All 19 research articles in the issue were solicited by the guest editors, Paul Clark, Rony Huys, and Geoff Boxshall, whom I thank for their hard work on that issue.

The journal and, by extension, the society, continued to serve the needs of carcinologists throughout the world. In all, volume 21 contained 84 research articles, two biographies, two book reviews, and one CD-ROM review. The volume had 1,096 pages. The research articles were contributed by a total of 188 authors who represented 29 countries. The countries were from all continents, and included Australia, Brasil, Canada, Chile, China, Colombia, Cuba, Denmark, Ecuador, France, Germany, Italy, Israel, Japan, Korea, México, The Netherlands, New Zealand, Nicaragua, Philippines, Portugal, Romania, Singapore, Slovak Republic, Spain, Sweden, United Kingdom, United States of America, and Venezuela.

Of the last 200 submitted manuscripts for which a decision has been made, 61 (31%) were rejected. Four manuscripts were withdrawn by their authors. One was withdrawn because the authors sent the wrong manuscript to JCB (it had been submitted elsewhere, and they later submitted a companion paper), two were withdrawn because of the author's inability to pay the mandatory charges, and one was withdrawn with no explanation.

The total payment to our printer, Allen Press, Inc., to print, mail, and store back issues of volume 21 was \$102,377.65 USD. The total cost to run the editorial office of JCB for year 2001 was \$3,598.06,

which included \$2,251.57 for postage; \$672.04 for office supplies; \$462.51 for the telephone/fax bill; \$175.00 for post-office box rental; and \$36.94 for shipping. Of the \$3,000.00 authorized by the Board to pay an editorial assistant, only \$2,300.00 was expended in year 2001 to pay for the 143.75 hours the assistants actually worked to help the editor to proofread paper proofs.

Page charges paid for only a small portion of the expenses for volume 21. The page charges to authors for all papers in the volume were set at \$60.00 per printed page, and there were no mandatory charges for papers in that volume. Of the 84 research articles in the volume, authors of only 23 articles (28%) promised to pay the full page charges. Authors of 34 articles (42%) promised to pay only partial page charges, because they could not pay the full charges. Authors of 24 articles (30%) could pay nothing towards the page charges. I failed to record the responses of authors of three articles to the request for information on the ability to pay page charges, which were sent to our management company, Allen Marketing & Management, Inc., for billing purposes. Therefore, I have data on only 81 of the papers.

The inability of so many authors to pay towards the page charges meant that TCS members, through their annual dues, had to subsidize the cost of publishing those papers. What was the amount of that subsidy? The total potential income to the society if all authors had paid the full page charges of \$60.00 per page would have been \$63,280.00 (= \$60.00 times total pages in 81 research articles for which I have data). However, authors promised to pay only \$30,410.00 towards the page charges, at \$60.00 per page. Thus, the difference, which represents the amount of page charges (not true publication costs) subsidized by the society, was \$32,870.00. Although I do not know the amount, many of those non-paying authors were not members of the society, so society members, through their dues, subsidized the publication of

papers contributed by nonmembers. Perhaps it is time to consider one, optional page-charge rate for TCS members and another, mandatory rate for nonmembers. Such a ranked rate structure may encourage more contributors to join TCS.

The potential income from page charges at \$60.00 per page in 2001, \$63,280.00, was far less than the true cost of producing and distributing the journal (see above). That is why rates were increased on 1 May 2001 for papers submitted after that date.

Late in 2001, the society signed an agreement with the BioOne consortium of online publications to publish JCB online at no cost to the society. The BioOne organization pays Allen Press for file conversion and maintenance of the Web site on which the BioOne database of online journals resides. This service is free to TCS as long as we continue to have the print version of JCB printed at Allen Press; if we leave Allen Press, TCS must either pay for the file conversion or terminate the contract with BioOne. BioOne sells subscriptions to the database to institutional libraries, and TCS shares that revenue. In addition, BioOne pays TCS for every electronic "hit" on JCB articles in the database. We have not realized the potential of that source of income, for JCB was in the database for only a few weeks during 2001. However, in March 2002, BioOne sent TCS a check for \$1,098.00 for that brief period of participation. BioOne, which incorporated only recently, now has more than 400 subscribers, and the number is growing. Hopefully, the income for TCS from that source will grow as well. Unfortunately, BioOne has no plans at the moment to sell subscriptions to individuals, so TCS cannot make the online version of JCB available to members through the consortium.

In 2001, I asked Allen Press to give TCS a price quotation to establish and maintain a sign-in/log-on ("silo") Web site that would enable TCS to make the online version of JCB available to individuals and to institutional libraries not subscribing to

the BioOne database. Their charges are two-tiered. The cost is based on whether the society is a member of the BioOne consortium or not. If we are, the cost is less, because BioOne pays towards the file conversion. I sent copies of the Allen Press proposal to members of the TCS Board. Unfortunately, the costs were too high, even with the BioOne discount, for TCS to consider the establishment of a silo site at this time.

I also received a price quotation from Allen Press for the creation of an online manuscript submission and review system, which they are now offering to journals they print. The cost is a one-time charge of \$5,000.00 to customize the system for TCS/JCB and an ongoing charge of \$25.00 per manuscript that is submitted electronically to the Web site. I polled carcinologists through CRUST-L about their potential use of such a system should TCS set one up. The response was overwhelmingly in favor of the usefulness of such a system, and many respondents said they would be happy to pay the mandatory \$25.00 charge, which would supercede the current \$50.00 handling fee charged for accepted manuscripts only. Some, however, were not in favor of paying such a charge, especially those from disadvantaged countries and students. The submission fee could be waived upon application by the author of hardship circumstances, just as the page charges are now, but the society would have to subsidize it. I have not yet presented a proposal to initiate such a system to the TCS Board, but I may soon. One problem I have with its use is that I do not have the e-mail address of all of our potential referees, which would be necessary to make the system work. I am hesitant to send letters of inquiry to the hundreds of referees in my files because of the cost involved. However, I can see a great benefit to implementing an online manuscript submittal and review system, especially that of reducing transit times in postal systems.

In early 2002, I initiated a purge of excess back issues of JCB now in storage at Allen Press in order to reduce our annual storage costs. Rather than relegating the books to the shredder, they will

be given away to institutional libraries at research facilities in disadvantaged countries. That process is still in progress, and I will report about it next year.

The editor of JCB serves at the pleasure of the TCS Board of Governors, and I hope that I am serving you well. I must say that I have enjoyed my tenure so far, but I am beginning to exhibit signs of burnout. The TCS Board must understand that I will not follow in the footsteps of my predecessor and edit JCB for 20 years. I agreed to do the job for only three years, with an option to renew should I be willing to do so, which I am at the moment. However, the Board should find potential new editors now and “hold them in reserve” until such time as they are needed to take over the duties of the editorial office. Besides, the Board would be wise to have a backup plan in place should a tragedy occur.

David K. Camp  
JCB Editor

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## TCS Newsletter

### The Future of the *Ecdysiast*?

The May issue of *Ecdysiast* did not eventuate, not through any fault of its long-serving editor but through lack of contributions from the Board and members of The Crustacean Society. Tim Stebbins has his own contribution in this issue – this is the President’s view which supports Tim’s and seeks a response from the membership.

The non-appearance of an issue prompts us to review the form and function of the newsletter today, 20 years after it first appeared in March 1992.

Content has varied from time to time but usually there is a “Message from the President” which leads off each issue. Each President has stressed that the regional governors should submit regular reports of carcinological activities in their respective regions but this has rarely happened. Often there has been

information about TCS business, meetings and publications.

Now is the time to review the future of *Ecdysiast* in a scientific world very different from that when it was kicked off 20 years ago. Here are some questions that the Board should consider while it seeks a new Newsletter Editor appointment.

*Appointment of Editor.* The newsletter Editor is a delegated appointment of the Board, responsible to the Secretary. The Editor does not vote on Board business, does not get paid, and serves year after year, in Tim Stebbins’ case for seven years. What the newsletter actually looks like and what goes in it is pretty much up to the editor’s discretion. Should the newsletter editor appointment continue in this way or be an elected position – in which case we would have to change the TCS Constitution?

*Form of Ecdysiast.* Should the newsletter continue to be produced and mailed as a hard copy, or would electronic distribution only (e.g., TCS website posting) be sufficient? The cost of printing and mailing the hard copy edition averages about \$600 per issue (\$1200 per year).

*Ecdysiast content.* Today the most rapid form of communication is electronic and many carcinologists subscribe to discussion groups like CRUST-L. While this is not an official channel for TCS it replaces *Ecdysiast* for ephemeral information like employment opportunities, searches for information, advertisements. Can The Crustacean Society use electronic communication (CRUST-L, its website) more effectively and rely on *Ecdysiast* as a more permanent record? Does this run the risk of the newsletter becoming a boring record of Society business? What else can go in *Ecdysiast* – book reviews, conference announcements, conference reports, regional and lab reports, cruise reports, announcements from like-minded societies, more? Some newsletters accept unrefereed research papers that might not be acceptable for journals.

The Board and I seek your response to these issues. We know there are many members of the Society who want to be



more involved and contributing ideas to how we function and then providing material for our newsletter is one way to do so.

Gary C. B. Poore  
President, The Crustacean Society

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### Newsletter Editor Needed

As mentioned in the previous note by TCS President Gary Poore, I have been editor of the society's newsletter, the *Ecdysiast*, for the past seven years. Although shy of the nearly 10-year stint of my predecessor (Ray Bauer), it is now time for someone else to take over.

The *Ecdysiast* is published twice a year and mailed to the TCS membership along with the corresponding issues of the *Journal of Crustacean Biology*. The newsletter is also made available as a pdf file posted to the society's website (<http://www.vims.edu/tcs>). The editor needs to solicit information for the newsletter from the TCS Officers and Regional Governors (The Board) 1-2 months in advance, although other items may be sent in by other TCS members and others with interests in Crustacea. Most communications are now sent via email. The newsletter editor is subsequently responsible for compiling and formatting each issue, and having the 800-900 copies printed and shipped to the TCS business office at Allen Press in time to meet the *JCB* mailing deadlines. Although certain inclusions (e.g., president's message, society election results, meeting announcements and schedule) are standard, the editor generally has wide latitude in preparing the *Ecdysiast* in whatever style seems appropriate and effective. A new editor would certainly be welcome to introduce changes in newsletter format or new features that might be interesting and informative to the membership. It is anticipated that the new editor will need to coordinate such changes with those recommended by the "form and function review" mentioned above by President Poore.

According to the TCS Bylaws, the *Ecdysiast* editor is a delegated non-voting

appointment of the Board, responsible to the Secretary. Actually, in Bylaw 4, E it states: "The Secretary shall compile and edit the Society newsletter, or shall supervise this activity if it is delegated by the Secretary to a newsletter editor." In Gary Poore's note above, it is implied that the term of service for the editor is "year after year." The 17 years of service between Ray Bauer and I would seem to support this claim. However, a poorly known (or remembered) fact is that the Board actually voted on this at what I think was the Winter 1995 meeting. In a subsequent email dated January 2, 1996, then President Betty Wenner wrote: "...the board has voted to make it [editor's job] a two-year appointment, subject to reappointment should the individual be happy with the position. By doing that, it does not appear that any one individual is consigned to eternity as editor!"

The new *Ecdysiast* editor will need to begin service in 2003 (the first issue being May 2003, Volume 22, Number 1). If you are interested in serving TCS as newsletter editor, or know of someone who might be, please contact President Gary Poore ([gpoore@museum.vic.gov.au](mailto:gpoore@museum.vic.gov.au)), Secretary Jeff Shields ([jeff@vims.edu](mailto:jeff@vims.edu)) or Tim Stebbins ([tstebbins@sandiego.gov](mailto:tstebbins@sandiego.gov)). The society will greatly appreciate your service.

Timothy D. Stebbins  
*Ecdysiast* Editor

## TCS Seeking New Editor for the *Ecdysiast*



### TCS Website

The Crustacean Society website, <http://www.vims.edu/tcs>, is designed to provide our membership with information on meetings, society news, business, instructions for the *Journal of Crustacean Biology*, the *Ecdysiast*, and other helpful links. We've recently started adding new features to the website including information for grad students (jobs, paper awards), workshops and additional meetings, budget and income statements, and more. Two items are of very general interest. We have a society recruitment poster that can be downloaded, printed at poster size (and even at page size), and shown at meetings. We also have a downloadable advertisement for our upcoming summer meeting to be held in Williamsburg, VA, June 1-5, 2003. This website is designed to serve our society's diverse interests, if you have an item, link, or information of general interest, please forward it to [jeff@vims.edu](mailto:jeff@vims.edu) for inclusion in our website.

Jeff Shields  
TCS Secretary, Website Manager

### TCS Recruitment Poster

A MS PowerPoint file for the recruitment poster (125 cm width x 90 cm height) for The Crustacean Society can be downloaded from the Society's website (<http://www.vims.edu/tcs>) by following the link to "Society Business." The poster is bordered by colorful photos of crustaceans and contains information about the Society, our journal, the newsletter, the current slate of officers, and upcoming meetings. There is also an area left open to which blank membership forms (also downloadable from the TCS website) can be attached. If you are attending a scientific meeting that is not officially sponsored by the Society, we urge you to display the poster to encourage new members to join.

Trisha Spears  
TCS President-Elect

## Past Summer Meetings, Reports & Awards

### ECC4 & Summer 2002

#### *Fourth European Crustacean Conference (ECC4) & 2002 Summer TCS Meeting Lodz, Poland*

The "Fourth European Crustacean Conference" (ECC4) and the "2002 Annual Summer Meeting of The Crustacean Society" were organised by Prof. Krzysztof Jazdzewski with the help of Dr Alicja Konopacka and Dr Michal Grabowski in the Department of Invertebrate Zoology and Hydrobiology, at the University of Lodz, Poland, from 22 to 26 July, 2002. Additional members of the organising committee were Drs. Magdalena Blazewicz-Paszkowycz, Wojciech Jurasz, Magdalena Pawlikowska, Agnieszka Soszyńska and Grzegorz Tończyk.

Lodz is situated in the heart of Poland, just two hours south of Warsaw. Many of the participants came to Poland for the first time and were surprised by the city, its beautiful buildings and the hospitality of the Polish.

Both the scientific standard of the conference as well as all social venues were outstanding. The Polish team did a great job in making everybody feel welcome, comfortable and well looked after in case of questions or problems. The conference started with a get-together party on the evening of 21 July.

In total 106 participants, scientists from 30 countries, as well as some accompanying persons, students and staff from the faculty attended the sessions. The distribution of countries and participants/presentations was as follows: Argentina 1/2; Australia 1/1; Austria 3/3; Belgium 3/2; Bulgaria 1/1; Chile 1/1; China 1/1; Czech Republic 1/1; Denmark 3/3; Finland 2/2; France 2/2; Germany 25/31; Great Britain 1/3; Greece 3/5; Hungary 1/1; Israel 1/1; Italy 7/7; Japan 1/1; Lithuania 3/3; Mexico 2/2; Norway 2/2; Poland 21/25; Portugal 2/3;

Puerto Rico 1/1; Romania 1/1; Russia 4/9; The Netherlands 4/3; Turkey 1/1; Ukraine 3/3; USA 4/3. It was pleasing to see a good representation from countries not usually seen at conferences in Western Europe or the USA.

Except for the last day, the meeting started with a general key-note lecture in the morning, before two parallel sessions began after the first coffee break. Invited speakers came from four countries: Dr. Nicolai Aladin from Russia, Dr. Christoph Held from Germany, Prof. Frederic Schram from the Netherlands, and Dr. Risto Vainola from Finland.

124 contributions were presented, 63 oral ones (including the 4 key-note presentations) and 61 posters. These covered all different biological fields of crustacean research, systematics, evolutionary aspects, phylogeny, ecology and physiology. Many presentations included molecular methods. All presentation were of high scientific quality, almost all oral ones were presented using Power Point.

TCS was represented by the president, Dr. Gary Poore, from Melbourne, Australia; the president-elect, Dr. Trisha Spears from Tallahassee, USA; the Asian governor, Dr. Akira Asakura from Chiba, Japan; and the European governor, Prof. Angelika Brandt from Hamburg, Germany. We took the opportunity to promote the Society by addressing the meeting, with a poster, and by circulating application forms to those participants not already members. Some applications have been returned to us already. The four members of the TCS board met on 22 July and the annual business meeting was held the following day. The board members were joined by others, meeting as the International Crustacean Council, to discuss the schedule of crustacean meetings over the next four years.

The Crustacean Society awarded prizes to three students for their presentations, including C. Rodriguez-Fourquet from Puerto Rico, K. Premke from Germany, and A.-N. Lörz from

Germany. Congratulations! Each award consisted of US\$50, a certificate signed by TCS President Gary Poore, and a one-year subscription to the *Journal of Crustacean Biology*. (Please see the award announcement on page 9 of this newsletter for additional details.)

The scientific meeting was accompanied by wonderful social events, such as an unforgettable evening in the garden and palace of Izrael K. Poznański at Ogrodowa Street, where we all got an impressive insight into the Polish language by Michal Grabowski and listened to very nice opera arias presented by a soprano and baritone from the local musical college. The musical event was followed by a delicious buffet in the remarkable ambience of the palace, a tour through the Arthur Rubinstein Museum, and a reception in the garden of the palace. On Thursday afternoon after the lectures, the organising team brought us to Zelazowa Wola, south of Warsaw, where Frederic Chopin had spent most of his life. This tour ended with a barbeque and beer party in the suburbs of Lodz. On Saturday, a group of 14 people joined an enjoyable interesting post-conference excursion to the wetlands of Bialowieza, to the primeval forest and to Biebrza.

The ECC4 in Lodz was scientifically and socially rewarding. Everybody will keep the organising committee, the city and the whole venue well in mind.

Thanks to Krzysztof Jazdzewski and his team for the wonderful time in Lodz!

Dr. Douglas Neil will host the ECC5 together with the ICC6 (Sixth International Crustacean Conference) and the Summer meeting of TCS in Glasgow, 2005. Details can be found on the homepage <http://www.gla.ac.uk/ibis/icc6>.

Angelika Brandt  
European Governor of TCS



## TCS Business Meeting

*Minutes of the Crustacean Society  
22nd Annual Business Meeting  
University of Lodz, Poland  
(concurrent with the ECC4)  
23 July 2002*

President Gary Poore called the meeting to order at 17:00 in the AULA Lecture Theater in the University of Lodz Conference Center I. The meeting was part of the Fourth European Crustacean Conference.

President Poore opened the meeting by reviewing his President's report. New officers were announced: Trisha Spears, President-Elect; Akira Asakura, Asian Governor; Emmett Duffy, North American Governor (appointed as replacement for T. Spears upon her election as President-Elect); and Mary Belk, Treasurer (appointed as replacement for Alan Harvey upon his stepping down after many years of excellent service to the society).

President Poore noted that a lack of submitted articles for publication in the Society's newsletter, the *Ecdysiast*, prompted editor Tim Stebbins to cancel publication of the Spring issue. The Society will also need to find a replacement editor pending Tim Stebbins' resignation after the Fall 2002 issue, and several members expressed an appreciation for Tim's past service to the society. Discussion ensued concerning how best to proceed with the newsletter. It was generally agreed that members would like to see the newsletter continue, but that it might be possible to forego publishing a paper copy and to continue placing it on-line in PDF format via the society's website. Members who still desire a paper copy would be able to print out their own copy. This would also save the society the expense of printing the newsletter and having Allen Press mail it out with issues of JCB.

President Poore read the Treasurer's 2001 report (available on the society website), noting that there was some loss of revenue due to poor returns on investment and members who are slow to renew their subscriptions. All members were encouraged to renew their subscriptions in a timely fashion. There was also a 50%

increase in the Allen Press Marketing and Management charge. On the positive side, money was saved by having Allen Press purge back-issue holdings of the journal (with several complete-volume sets of the journal being donated to 11 laboratories in developing countries). The journal costs approximately \$100,000/year to print, and subscriptions cover roughly 60% of this cost, but there was also a 50% increase in monies collected from journal page charges in 2001. A suggestion was made that additional revenue might be made from the production and sale of crustacean documentary videos. Attendees at the business meeting were also reminded that it is possible to become a member of the Society for a nominal membership fee (US \$30) if you do not wish to receive a journal.

President Poore read the *Journal of Crustacean Biology's* Editor's report that was submitted by David Camp. This information will be printed in the Fall, 2002 *Ecdysiast*, but in brief, Volume 21 had 1,096 pages covering 84 research articles, two biographies, two book reviews, and one CD-ROM review, contributed by 188 authors from 29 countries. Of the last 200 submitted manuscripts, 31% were rejected. Of great concern is the fact that many contributing authors are unable to pay page charges (\$60/printed page for Volume 21) for publishing their manuscripts in the journal, and hence, dues-paying society members are still subsidizing a large portion of the cost of publishing these papers (\$32,410 for Volume 21). Many non-members in attendance were unaware that non-members could submit articles for publication in the journal, and others were unaware of journal policy that no paper would be rejected solely on the basis of authors being unable to pay page charges. Still, Fred Schram raised the point that many European carcinologists do not receive funds to cover page charges. Also raised was the possibility of dropping the submission/reading charge and the need to explore switching to another publishing company (other than Allen Press). President Poore noted that the journal might be printed less expensively in Australia, but that the geographic isolation of Australia in the past made this option less favorable.

However, with new electronic means of correspondence, we might want to revisit this option.

The new agreement between the society and the BioOne consortium of on-line publishers has already generated roughly \$1,000 for the society in just three months arising from the electronic "hits" on JCB articles in the BioOne database. This service is free to TCS as long as the society continues to have the journal printed at Allen Press. Investigations have also been made into eventually making JCB available online to subscribers.

President-Elect Spears informed those in attendance that there has been a renewed initiative to institute a scholarship fund in memory of founding member and past-treasurer Denton Belk, and that people should look for a call for donations in the Fall, 2002 issue of the *Ecdysiast*.

President Poore put up a list of upcoming meetings (available on the society website and published in the society's newsletter, the *Ecdysiast*). The issue of upcoming meeting schedules was revisited, and there was discussion about the failure of the society to present any official presence at the past 2002 winter meeting (held concurrently with SICB, the Society for Integrative and Comparative Biology) in Anaheim, California. In recent years, the summer meeting seems to have become more popular among TCS members, but it was noted that the society can and should do more to maintain an official presence at the winter meeting with SICB, as this is the preferred meeting for some TCS members and it also has great potential for recruiting new members. Many European members present at the business meeting were unaware of the historical ties between TCS and SICB. This led to discussion about how the Society has become far more international in its membership since its origin, and that the number of recent non-U.S. venues for meetings might be leading to a decline in attendance by U.S. members at these "foreign" venues. It was agreed that the society should continue to broaden its international scope, but

to try to alternate summer meetings between U.S. and non-U.S. venues. President Poore noted that the society needs a host and site for the 2006 Summer Meeting to be held in the U.S.

Douglas Neil reminded meeting attendees to watch for a poster and flyers at the next day's poster session detailing preliminary information on the Sixth International Crustacean Congress to be held at the University of Glasgow, Scotland, UK. Members can visit the TCS website to find links to ICC6 for more information. A more detailed presentation of the ICC6 venue was presented at the closing ceremony of the Fourth European Crustacean Conference later in the week, and an appeal was made for suggestions for plenary speakers and special sessions.

Additional society business during the course of the Fourth European Crustacean Conference consisted of a Best Student Paper and Poster Competition organized by President-Elect Spears, with the help of several judges. Two Best Student Paper awards and one Best Student Poster award consisting of a certificate, a \$50 cash award, and a one-year subscription to *The Journal of Crustacean Biology* were presented to Katrin Premke (Alfred-Wegener Institute for Polar and Marine Research), Anne-Nine Lorz (University of Hamburg), and Concepcion Rodriguez-Fourquet (University of Puerto Rico). At the conference closing ceremony, Crustacean Society officers presented conference organizers Krzysztof Jazdzewski, Alicja Konopacka, and Michal Grabowski with flowers and champagne, and thanked them and their conference assistants for their graciousness, helpfulness, and for an informative and well organized conference.

With no additional matters to be discussed, the meeting was adjourned at 18:20.

Respectfully submitted,  
Trisha Spears, TCS President-Elect



## TCS Student Awards

### *Student Awards, Summer 2002* *Lodz, Poland*

The Crustacean Society sponsored a Best Student Paper and Best Student Poster Competition at the 2002 Summer Meeting held concurrently with the Fourth European Crustacean Conference at the University of Lodz, Poland. Each recipient was awarded a certificate, a one-year membership in TCS, including a subscription to the *Journal of Crustacean Biology*, and a cash award of \$50.00 US.

There was a tie awarded for the Best Student Paper presentation, shared by **Katrin Premke** (Alfred-Wegener Institute for Polar and Marine Research, Bremerhaven, Germany) for her talk entitled "Evidence for long-range chemoreceptive tracking of food odour in deep-sea scavenging amphipods by scanning sonar data," and **Anne-Nine Lorz** (Zoologisches Institut und Zoologisches Museum, Universität Hamburg, Germany) for her talk entitled "A phylogenetic approach to the Antarctic amphipod families Epimeriidae and Iphimediidae." The Best Student Poster award was presented to **Concepcion Rodriguez-Fourquet** (University of Puerto Rico) for her poster, "Unregulated harvesting of land crab (*Cardisoma guanhumii*): implications on population abundance, density and size distribution." Many thanks to all the students who participated and to the "volunteer" judges, and congratulations to the winners. The next competition will be held at the TCS Winter Meeting (held concurrently with SICB), Toronto, Canada (4-8 January, 2003).

Trisha Spears  
TCS President-Elect

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### *Student Awards, Summer 2001* *Melbourne, Australia*

The Crustacean Society would like to extend a belated announcement recognizing the outstanding student oral and poster presentations given at the July

2001 meeting of TCS which was held in Melbourne, Australia in conjunction with the Fifth International Crustacean Congress (ICC5). Each award consists of a certificate, a one-year membership in TCS (which includes a subscription to the *Journal of Crustacean Biology*), and a cash award of \$50.00 US. The recipients were as follows:

**Stephen G. Dunbar**, Central Queensland University, Australia, "Marine Hermit Crabs as Indicators of Freshwater Inundation on Tropical Shores" (co-authors: M Coates and A. Kay).

**Jeama A. Stanton**, University of Leicester, United Kingdom, "Burrowing Behaviour and Movements of the Signal Crayfish, *Pacifastacus leniusculus* (Dana) in the U.K. Midlands" (co-authors R.R. Harris and M Andrews).

**Sarah L. Boyce**, Florida State University, USA, "Molecular Phylogeny of the Calappidae (Crustacea, Decapoda, Brachyura)" (co-authors: T. Spears and L.G. Abele).

**Gavin Gouws**, University of Stellenbosch, South Africa, "Genetic Differentiation in the Freshwater Isopod *Mesamphisopus capensis* (Phreatoicoidea: Amphispodidae) in the Western Cape, South Africa: Phylogenetic Insights" (co-author: B.A. Stewart).

**Todd Haney**, University of California at Los Angeles, USA, "Who is 'pugettensis'? A Closer Look at *Nebalia* on the West Coast of the United States" (co-author: J.W. Martin).

**Simon Neil Jarman**, CSIRO Marine Research, Australia, "Molecular Evidence for Paraphyly in the Mysidacea."

**Nicholas P. Murphy**, Deakin University, Australia, "MtDNA 16S rRNA Sequences Reveal Anomalies in the Current Classification of Australian Palaemonid Shrimps (Palaemonidae: Decapoda)" (co-author: C.M. Austin).

Jack O'Brien, Chair  
Crustacean Society Awards Committee



## Winter 2002 SICB/TCS Meeting

### SICB/TCS Meeting in Anaheim (January 2002)

Dear Members of the Executive Board  
of the Crustacean Society,

This is a report of events at the SICB meeting in Anaheim, California. The Crustacean Society was established in 1979 at the Tampa meeting of the American Society of Zoologists (renamed the Society of Integrative and Comparative Endocrinology, or SICB) and developed from the Crustacean Society meetings at the ASZ. Many members of The Crustacean Society still meet at the SICB meeting, officially sanctioned in Society bylaws. Seventeen members of The Crustacean Society (TCS) met on January 5, 2002; others, aware that no officers would be present, may have stayed away. We are aware that Jack O'Brien was unable to attend because of a previous commitment to attend The Crustacean Congress in Australia. Those present decided collectively to draft this letter of disappointment, dismay and disapproval of the state of Society affairs and leadership as follows:

- (1) There were no board members in attendance to run the meeting.
- (2) There was no report from the President, the Treasurer, or from the Editor of the Journal.
- (3) The program officer was not present to arrange for the judging of the students' oral and poster presentations and no arrangements were made before the meeting to have a volunteer take on these responsibilities.
- (4) There should have been an American Governor present at the SICB meeting to recruit new members.
- (5) There was no one available to run the booth, and advertise the Society to attract new members and provide a welcoming atmosphere for graduate students

(it should be pointed out that there were more than 100 papers and posters given by students that had a crustacean title or keyword, underscoring recruitment potential).

(6) There were no planned social events for TCS members to meet and discuss common interests.

Many of these problems have occurred in previous years and have been brought to the attention of the board members on numerous occasions at other meetings. The continuation of these problems is unconscionable.

The following resolution was considered and resolved unanimously by those TCS members in attendance at the 2002 SICB meeting:

(1) Members of the Executive Board shall in the future fulfill their official duties at regularly-scheduled and society-sanctioned meetings, as designated by the bylaws; these duties include conducting business meetings, presenting reports, and conducting other business of TCS sponsored meetings.

(2) Members of the Executive Board shall establish a designated TCS/SICB liaison officer by January 2003 in order to facilitate TCS events at future SICB meetings.

(3) To promote student interest and involvement, The Crustacean Society is strongly encouraged to have annual local meetings, possibly in the summer, in those years when the regular TCS meeting is abroad.

(4) We respectfully request that this resolution be printed in its entirety in the next issue of the *Ecdysiast* and that it be accompanied by a formal response from the Executive Board.

We fervently hope that in the future there will not be any repetition of these regrettable events as were experienced in Anaheim in 2002.

Respectfully submitted,

Hans Laufer, Donald Lovett, Chris Holford, Don Mykles, Dave Borst, Andrea Tilden, Sarah Gerken, Michel A. Boudrias, Patricia Glas, Sheng Li, Bonnie Ripley, Thomas G. Wolcott, Donna L. Wolcott, Marie A. Simovich, Sandra Gilchrist, Shea Tuberty, Shiao Wang (6/13/2002)

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Dear Hans and other TCS members,

Thank you for your letter about the lack of a Crustacean Society presence at the January 2002 meeting of SICB in Anaheim. I am pleased that there are a group of crustacean biologists who feel strongly enough about the Society that they want to see it do more.

Let me comment on some of the issues you raise:

*There were no board members in attendance to run the meeting.*

*The program officer was not present to arrange for the judging of the students' oral and poster presentations and no arrangements were made before the meeting to have a volunteer take on these responsibilities.*

*There should have been an American Governor present at the SICB meeting to recruit new members.*

*There was no one available to run the booth, and advertise the Society to attract new members and provide a welcoming atmosphere for graduate students (it should be pointed out that there were more than 100 papers and posters given by students that had a crustacean title or keyword, underscoring recruitment potential).*

It is up to individual board members to decide whether or not to attend any meeting. Many US board members attended the annual summer meeting of The Crustacean Society just 6 months earlier and may not have had the time or finances

to attend another. It is perhaps regrettable that no Board members attended SICB but I got the impression from the several US Board members in Melbourne that there was little enthusiasm for organising another meeting so soon and no-one agreed to do so. No TCS sessions were advertised.

*There was no report from the President, the Treasurer, or from the Editor of the Journal.*

These reports are made just once a year and presented at the summer meeting, never at the winter meeting. Reports were made in Melbourne, Australia, in July 2001 and will be done so again in Lodz, Poland, in July 2002. The minutes of the last meeting of the Board of Governors and the Business meeting were published in JCB 22(1).

Considering your resolutions:

*Members of the Executive Board shall in the future fulfill their official duties at regularly-scheduled and society-sanctioned meetings, as designated by the bylaws; these duties include conducting business meetings, presenting reports, and conducting other business of TCS sponsored meetings.*

Here you are simply wrong. The Crustacean Society constitution requires it to hold one meeting a year which it has done for 21 years and at which all the required reports are presented. Following each meeting reports are made available in JCB, Ecdysiast and the website. Traditionally this has been the meeting which takes place in the northern summer.

*Members of the Executive Board shall establish a designated TCS/SICB liaison officer by January 2003 in order to facilitate TCS events at future SICB meetings.*

This may be a way to proceed to deal with meetings other than the required annual meeting. There already exists an International Crustacean Council which meets with major crustacean meetings to

coordinate international congresses, special interest group meetings, and national meetings. The Crustacean Society governors are ex officio members of ICC.

*To promote student interest and involvement, The Crustacean Society is strongly encouraged to have annual local meetings, possibly in the summer, in those years when the regular TCS meeting is abroad.*

The Crustacean Society is keen to promote student interest and all members can do this in many ways besides attending meetings, which are usually expensive. Remember that The Crustacean Society is an international society and that its summer meeting is its major meeting. By 'local' you mean US meetings – local crustacean meetings are regularly held by local societies in Europe, Brazil, Germany, French-speaking countries, Japan and China. The Crustacean Society sometimes meets with these groups and hopefully will do so again.

*We respectfully request that this resolution be printed in its entirety in the next issue of The Ecdysiast and that it be accompanied by a formal response from the Executive Board.*

I am happy to have your letter printed in the November edition of the Ecdysiast provided you agree to have this response printed alongside.

You are quite right to expect The Crustacean Society to be present at SICB meetings given that many of the Society members are in the US and that there is enthusiasm for carcinology and conferences. I promise to circulate your letter and this response to Board members to seek suggestions for a plan of action. The matter will be discussed at the Board and Business meetings in July in Lodz and a resolution finalized and acted on in time for the 2003 SICB meeting.

With best wishes,

Gary Poore, TCS President

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***Summary of responses from The Crustacean Society Board members to letter from Hans Laufer and others***

The letter from Hans Laufer and others critical of the Society's commitment to SICB in 2001 was circulated with the President's response to Board members. Ten members responded with historical perspectives, explanations and ideas for the future.

When TCS was established, the Society recognised that the expense and effort of organising an annual meeting would be difficult to achieve and ASZ (now SICB) was there with all the organisational machinery in place. The society debated about which of the several national meetings it should ally itself with, and chose ASZ over the Ecological Society of America, for example, because it wanted to broaden our membership. It became clear, after nearly a decade of meeting with ASZ, that the timing of the meeting (at that time between Christmas and New Year) was a deterrent to the attendance of some prospective members. So, the summer meeting was instituted and was attended by a small number of members (69 at the first summer meeting in Maine), most of whom did not attend the "winter" meeting with ASZ.

The summer meetings immediately became more popular because its timing did not clash with teaching or family responsibilities. Attendance at the winter meeting declined. For many members outside the USA, the winter meeting with SICB has never been an option and they never had a chance to meet other members of the Society face to face. This is reflected too in the success over the last decades of meetings such as the European Crustacean Conferences, the International Crustacean Congresses and other series. Further, many crustacean biologists now find other specialist meetings more interesting than SICB (e.g., meetings of the Ecological Society, Evolution Society, Society of Parasitologists, Benthological Society, European Marine Biology, etc.

In recent years, as TCS has begun to meet with other crustacean organisations, and to take on a truly international



flavour, the representation at SICB has declined.

It is generally agreed that it is not realistic for a society the size of TCS to sustain more than one regular meeting a year, or to require that its officers attend more than one meeting per year. The society does not have the funds at present to support the travel costs of officers.

Some board members felt that we had "dropped the ball" on the Anaheim meeting, blaming lack of communication within TCS, disinclination to attend a second crustacean meeting in 2001 after the expense and time committed to ICC5 in Melbourne, and unrewarding experience with SICB in the past.

While some members reflected, and at least one recommended, that dissociation with SICB could be considered, most felt that we should continue involvement, in spite of the hassles that this has involved in the past. At least this should be in the form of a Society sponsored session, a society booth, and social occasion, but without a formal business meeting.

The way forward is for the Society to make someone responsible for coordinating liaison with SICB as suggested by the Laufer letter. In fact, our constitution gives this responsibility to the Program Secretary and there is a commitment from Board members in the USA to ensure a TCS presence in Toronto, 2003.

Gary C. B. Poore, TCS President  
28 September 2002

## Treasurer's Report

A copy of the 2001 Treasurer's Report detailing the Crustacean Society's income and balance can be found on the society's website (<http://www.vims.edu/tcs>) under the link for "Society Business."



## Carcinological Society of Japan

In April 1961, the Japanese Emperor Hirohito celebrated his 60th birthday. Hirohito was a renowned marine biologist, and in honor of his birthday, Dr. Isabella Gordon of the British Museum of Natural History (now The Natural History Museum, London) was invited to Japan for a face-to-face talk with Hirohito. Dr. Gordon and Hirohito held a long conversation at the Biological Laboratory (Imperial Palace, Tokyo). This meeting was also attended by several Japanese carcinologists, including Prof. Tsune Sakai (Yokohama National University), Prof. Itsuwo Kubo (Tokyo University of Fisheries), and Dr. Yo K. Okada (Director of the National Science Museum, Tokyo).

The above meeting led to the formation of the Carcinological Society of Japan to promote the study of crustacean biology and to encourage collaboration among carcinologists. The business office was established at the Odawara Carcinological Museum, Tokyo. Prof. Sakai was elected President, Dr. Gordon was the first honorary member, and Drs. Y. Okada and T. Fukui were scientific advisers. Since then, many carcinologists from around the world have visited the society to collect material in Japan and to discuss future collaboration, including: J. Forest (France), J. Crane (U.S.A.), J. Harding (U.K.), H. S. Kim (Korea), R. Serene (Singapore), L.B. Holthuis (Netherlands), J. Garth (U.S.A.), F.M. Bayer (U.S.A.), M. Turkay (Germany) and T. Wolff (Denmark).

The first annual meeting of the society was held at the marine laboratory of Yokohama National University in December 1961, and was attended by 40 members.

The first volume of the scientific journal "*Researches on Crustacea*" was issued in 1963, and included original articles, short notes and reviews written in English or Japanese. The journal was irregularly published during the first 14 years and annually since 1979. In 1993, the journal was renewed, the name was changed to "*Crustacean Research*", and Prof. Keiji Baba, Kumamoto University, was appointed as the new editor. In 1993's Volume No. 22, 10 papers were published, with

contributors from Japan (11 people), Singapore (1), U.S.A. (2), and Australia (1). The current editor is Keiji Wada (Nara Women's University), and the latest issue (Vol. No. 30, 2001) contained 13 papers and 172 pages. A special issue of this journal has also been published irregularly since 1982, with the most recent volume (Vol. 4) being R. B. Manning's 1995 paper entitled "Stomatopod Crustacea of Vietnam."

The society's newsletter, "*Nihon Koukakuurui Gakkai News*" was first published in December 1972. The name was subsequently changed to "*CANCER*" in 1991. The editors are Kensaku Muraoka (formerly Kanagawa) and Seiichi Watanabe (Tokyo University of Fisheries).

After the death of Prof. Sakai, Dr. Sadayoshi Miyake, professor emeritus of Kyushu University, was elected the second president of the society in 1987. The business office was transferred to Tokyo University of Fisheries in 1991, and Dr. Seiichi Watanabe was appointed as the secretary. After the death of Prof. Miyake, Hiroshi Suzuki, professor emeritus of Yokohama National University, was elected the third president of the society in 1998. Suzuki appointed Prof. Baba as vice president. The 2000-2002 elected board includes A. Asakura, T. Hamano, K.-I. Hayashi, M. Imafuku, K. Konishi, K. Muraoka, H. Nakamura, T. Odawara, S. Shokita, S. Watanabe, T. Yamaguchi and T. Yasuhara. The membership was about 200 in 1981 and increased to 350 in 2002.

Membership in the Carcinological Society of Japan is open to anyone who has interests in crustaceans. Annual dues are 5000 Japanese yen, and include a subscription to "*Crustacean Research*" and "*Cancer*". Correspondence concerning membership should be sent to: Secretary, Carcinological Society of Japan, Department of Aquatic Biosciences, Tokyo University of Fisheries, 4-5-7, Kwon, Minato-ku, Tokyo 108-8477, Japan (E-mail: [carci-soc@tokyo-u-sifh.ac.jp](mailto:carci-soc@tokyo-u-sifh.ac.jp))

Contributed by Akira Asakura  
Asian Governor of TCS

## TCS Review Commission Report

### *The Crustacean Society Review Commission, Summary of Recommendations*

#### **Mission Statement of TCS**

The Society should not change its name but instead emphasize its international nature in its Mission Statement:

*“The mission of The Crustacean Society is to advance the study of all aspects of the biology of crustaceans by promoting the exchange and dissemination of information throughout the world.”*

#### **Subgroups within TCS**

The Commission supports the existence of independent subgroups within The Crustacean Society because of the possibility of increased membership in TCS and a higher dissemination of JCB. The advantages to the subgroups within TCS are: increased financial resources to assure successful meetings; relieve the perceived bias towards taxonomy; greater dissemination of information through shared newsletters, websites; greater opportunities to see how those in other disciplines are approaching similar research problems; and lack of conflicts during meeting times. The Commission recommends that TCS should encourage other groups of carcinologists to have annual meetings with TCS, publishing proceedings perhaps as special issues of JCB.

#### **Rules and By-laws**

The Review Commission discovered some inconsistencies in the Constitution and by-laws but the most significant changes proposed are covered under other headings. Most significantly, it recommended that the constitutional statement that the “Board should meet at least once a year prior to the annual meeting” be changed because the business of the Board is now conducted via e-mail throughout the year.

#### **Officers**

*The number of officers* should remain as it is. There are, nevertheless, recommendations on the election and/or functions of several officers. The functions of TCS officers are explained fully in the by-laws. A problem in the past has been that some elected officers have failed to perform those duties fully or effectively. Above all, the Commission recommends that the Board must direct officers (particularly new ones) to carefully follow the revised Constitution and by-laws because experience shows that, often, officers are not aware of their duties.

*The Treasurer* should be selected with great care; the position directly or indirectly oversees vital aspects of the running of TCS. Duties of the Treasurer include planning for and overseeing the finances of the publication of JCB, obviously of key importance to the existence of TCS. Other important financial matters include investments in mutual funds, the overseeing of funds in the Belk Fund and the JCB Endowment Fund, and the performance of contracted financial-service agents and other paid ancillary agents.

The Commission recommends the immediate creation of a reformed *Financial Committee* to oversee: (1) selection of a new Treasurer, and (2) together with the new Treasurer, to advise on financial matters.

*Regional Governors* should take an active role in the recruitment of new members and new institutional subscriptions to JCB through direct contacts with local universities, museums and other institutions, groups and organizations that are involved in natural history and/or conservation issues. TCS must have promotional material to facilitate this.

*The Board* must move to reform and upgrade the managerial structure of TCS in order to comply with new challenges and problems. Nominated candidates for office or for appointive positions should be required to state their unequivocal willingness to work for the betterment of TCS before accepting nominations. A more palpable international profile is a challenge.

The duties of *Ancillary Agents* (webmaster, newsletter editor, paid financial agents) are delegated by the Secretary and Treasurer. TCS must assure that contracts with paid ancillary agents are negotiated, and that the contract is not biased solely in favour of the paid agent.

#### **The Journal (JCB)**

Last November 2001 the Board of Governors amply discussed by e-mail issues pertaining to the publication of JCB. JCB has a very high impact factor among carcinological journals and is in the midrange of those of other aquatic-biology journals. A full-text, online version of JCB is now available through subscription to institutional libraries, although an online version is not yet available to TCS members.

The Commission recommends that the Board should continue to evaluate journal costs and income on a regular basis and improve the financial conditions whenever possible. A committee could be formed to seek less expensive publishing services (such as online publishing and electronic submission) elsewhere, reduction of publication costs and limited free pages for TCS members in contrast to higher costs for nonmembers, already a significant proportion of contributors to JCB. The handling fee should perhaps be lowered substantially but made mandatory of all submitting authors, not merely successful authors.

Membership should not be mandatory for publishing in JCB. Non-members, however, should pay higher page charges than members. The editor should have the right to waive expenses to particular hardship cases.

#### **Student Awards**

The current practice of having two categories of student awards, one for oral presentations and one for posters, should be continued. Student awards should be announced at the closing session of the meeting in question and arranged by a well-organized committee established for the purpose at each regional meeting.



*The Best Paper Award* no longer exists, and the Commission feels emphasis should be placed instead on the Student Awards.

*The Award for Research Excellence* should be limited to living scientists.

### Finances

The new Financial Committee must perform a review once it is formed.

### Meetings

TCS should continue its tradition of sponsoring two meetings annually, one in winter (the Winter Meeting) and one in summer (the Summer Meeting). Meetings should, whenever possible, be evenly located not only among U.S. states but among other continents and countries. To be international, one must act internationally. However, 43% of TCS members are from the U.S. and this is a good argument for having a similar percentage of meetings in the U.S.

TCS should definitely have a presence in the International Crustacean Council as well as in regional meetings, particularly those in Europe. This presence means not only having a voice but also preserving and strengthening the image of TCS.

### Membership

The complicated scheme of numerous membership categories must be simplified. The following scheme is recommended:

1. *Regular* – for members who pay membership dues and subscribe to JCB.
2. *Voting* – for retiree and student members who pay membership dues but do not subscribe to JCB.
3. *Patron* – for members who have particular interests in the objectives of TCS and who desire to make a significant contribution to its support.
4. *Associate* – for “hardship” membership, with subscription to JCB
5. *U.S.* – domestic Institutional Journal subscriber (nonvoting subscriber)
6. *Foreign (non-U.S.)* – Institutional Journal subscriber (nonvoting subscriber)
7. *Complimentary* – for select individuals and libraries in disadvantaged countries

who receive free copies of JCB [an unadvertised category not to be included as part of the official list].

The Commission recommended a scheme whereby students’ reduced membership was corroborated by their professor [but this seems unnecessary if no concessional subscription is offered].

### Recruitment

TCS must actively recruit new members, both within and outside the U.S. This can be accomplished by marketing TCS more aggressively through applications, flyers, regional meetings, encouraging university professors to enroll graduate students, e-mail discussion groups, exchanging advertising with other societies, on-line membership payments, a Membership Committee, scanning journals for names and addresses of individuals involved in research in crustaceans.

### The Website

The website should include basic information on TCS (mission statement, Constitution and by-laws, names of officers), past and future meetings, membership, including on-line membership payments, information on JCB, membership list with (if approved by the individual member) affiliation and address (e-mail and/or regular mailing address), subgroups under the umbrella of The Crustacean Society, or other carcinology groups, or links to the websites of those groups.

The website should be made more attractive by including photographs of crustaceans, which will be provided on a regular basis by members.

### Review Commission Members

Peter Castro (Chair), Niel L. Bruce, David K. Camp, Bella Galil, Magnus Johnson, Wolfgang Waegle, Les Watling (summary by Gary C. B. Poore, TCS President)

## Denton Belk Memorial Fund

The Crustacean Society is pleased to announce that they are soliciting contributions to an endowed fund to honor the memory of Denton Belk, a founding member and past treasurer of TCS. The endowment will be used to fund scholarships for students performing large branchiopod research, a field in which Denton excelled and made significant contributions. Students will be able to use funds to support research costs and/or travel (either to scientific meetings or for research purposes). As reported in D. Christopher Roger’s moving remembrance (*JCB* 21(4): 1077-1081, 2001), Denton was exceptionally generous in his lifetime to students in need who expressed an interest and passion for large branchiopods. We feel it is a fitting tribute to our colleague and friend to continue this tradition in his passing.

We encourage and appreciate your contribution! Personal checks (in U.S. Dollars) may be made out to “TCS – The Denton Belk Fund” and sent to the Business Office at the address below. Alternatively, contributions using Visa or

Master Card can be made by printing out a copy of the membership application from the Society’s website (<http://www.vims.edu/tcs>), indicating the amount (in U.S. Dollars) that you are willing to contribute on the appropriate line, and mailing the form to the Business Office at the address below. **Please note that you do not need to become a member of TCS to make a donation!**

Please send donations to: Business Office, The Crustacean Society, P.O. Box 1897, Lawrence, Kansas 66044-8897 U.S.A.

For additional inquiries, please contact Mary Belk (TCS Treasurer) by email ([dbelk@texas.net](mailto:dbelk@texas.net)), phone (210-224-7743) or fax (210-222-0360).

Periodic updates of the fund’s status will be presented at TCS business meetings and on the Society’s website and information for applicants interested in this award will also be forthcoming. It is our hope that a positive response on the part of Denton’s friends and colleagues will permit us to set up this award in a timely manner.

## Southeastern Regional Taxonomic Center (SERTC)

We are pleased to let you know that the Southeastern Regional Taxonomic Center (SERTC) has been established at the Marine Resources Research Institute in Charleston, SC with the goal of providing a regional focus for developing taxonomic expertise and skills, along with the infrastructure to support taxonomic endeavors of the scientific community in this area. One of the initial goals of the program is to assemble a collection of biological specimens of fish and aquatic invertebrates from estuarine, coastal, and marine habitats of the southeastern US. A second objective is to compile a reference library of taxonomic publications relevant to the fauna of that region. If you want to know more about the program, an explanation of the initial objectives of the program can be found at [http://water3.dnr.state.sc.us/dnr/marine/img/sertc\\_scope\\_of\\_work.pdf](http://water3.dnr.state.sc.us/dnr/marine/img/sertc_scope_of_work.pdf).

Over the next year<sup>1</sup>, we will be adding specimens for the invertebrate collections and incorporating fish from the University of Charleston's extensive fish collections (efforts coordinated by Dr. Tony Harold). As a starting point for the invertebrates, we hope to incorporate donated specimens representing three higher taxa: decapod crustaceans, mollusks, and peracarid crustaceans, although we are **NOT** dis-

couraging the donation of other taxa as well, especially rare taxa or exceptional specimens. At least initially, however, we will not be including plant or terrestrial species. Specimens will be put into a central location (to the degree possible, considering the donor's needs and our space limitations), where they will be incorporated into an organized, curated collection that is managed and accessed through a computer database. In order to maximize the utility of the collections, we are asking for detailed information about the specimens that are donated. Please contact us directly to talk about whatever material you are able to donate to SERTC, whether it is archived samples or ongoing new collections.

For future collections, material will be most useful to us if there are multiple specimens from a single collection; obviously, however, uncommon species probably won't often meet that criterion. We prefer to receive adult individuals that are in good physical shape (i.e., whole, with all legs and other appendages intact, not desiccated, etc.), but once again, some taxa may be hard to come by and we would be happier to have juveniles or damaged specimens, rather than nothing. We would also prefer to have specimens separated by species with provisional identifications; however, we recognize that this will not

always be possible, so we are willing to take mixed samples that include rare or outstanding specimens. Fresh, frozen, or preserved material is acceptable, but please give us advanced notice if it's not preserved, so that we can make arrangements to keep it in good condition prior to preservation. If necessary, we can supply containers and preservatives.

Please also keep in mind that we are asking for donations of printed material for the library of taxonomic publications and reprints relevant to fauna of the southeastern US coast. All donated literature will be incorporated into a searchable database that will include taxonomic keywords, with the goal of making taxonomic searches possible. Donation of duplicate or unwanted taxonomic literature will be greatly appreciated.

If you have any questions about SERTC, please feel free to call or email either Elizabeth Wenner (843-762-5050, [wennere@mrd.dnr.state.sc.us](mailto:wennere@mrd.dnr.state.sc.us)) or David Knott (843-762-5006, [knottd@mrd.dnr.state.sc.us](mailto:knottd@mrd.dnr.state.sc.us)).

<sup>1</sup> This contribution was originally scheduled to appear in the May 2002 *Ecdysiast*, which was subsequently not published – (Tim Stebbins, *Ecdysiast* Editor)



## Publication News

### Recent Crustacea

A new publication on an updated classification of crustaceans was published in December 2001 as part of Science Series of the Natural History Museum of Los Angeles County.

**An Updated Classification of the Recent Crustacea.** 2001. J.W. Martin and G.E. Davis. Natural History Museum of Los Angeles County, Science Series 39: 1-124.

The volume includes an updated classification of all extant crustaceans down to the level of family. Included are 849 extant families, an increase of nearly 200 additional families since the Bowman and Abele (1982) classification. Brief explanations are given for the choices made and for the higher classification used. Also included is an extensive reference section containing some 900 references on crustacean higher systematics, most published in the last two decades. Appendices include dissenting opinions offered by some workers, a list of contributors, and other resources for studying crustaceans (mostly newsletters and web sites).

The cost of the publication is US \$20.00. Please address all inquiries and orders to:

K. Victoria Brown, Managing Editor, Scholarly Series Publications, Natural History Museum of Los Angeles County, 900 Exposition Blvd., Los Angeles, CA 90007 USA. Telephone: 213-763-3330, Fax: 213-742-0730, Email: vbrown@nhm.org

### Australian Field Guide

**A Field Guide to Crustaceans of Australian Waters (new edition).** 2002. Diana Jones and Gary Morgan. 224 pp, Reed New Holland Publishers, Sydney. Price A\$39.95.

A Field Guide to Crustaceans of Australian Waters is the most

current, complete summary of all Australia's known crustaceans. It is the only book of its kind, giving an overview of Australia's tropical and temperate, marine and freshwater, as well as terrestrial, crustacean species. A great deal of research has been undertaken since the first edition of this book was published. This second edition incorporates up-to-date information, with each section checked by world experts, and even features rare, recently discovered subterranean crustaceans.

This beautifully laid out, easy to follow book, with its comprehensive bibliography glossary and reference list, is aimed at naturalists, scientists, marine science students, commercial and recreational fishermen, marine ecologists and zoologists, fisheries departments and environmental agencies, who will find it useful for identification and other purposes. For the general reader, it will open a door to the biology of these often beautifully coloured and outrageously shaped animals. Lavishly illustrated with line drawings and stunning photographs, this is an essential guide for anyone with a crustacean interest.

Orders may be placed via email to bookshop@museum.wa.gov.au.

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### Zoological Catalogue

**Crustacea: Malacostraca: Phyllocarida, Hoplocarida, Eucarida (Part 1).** 2002. P.J.F. Davie. In, Wells, A. & Houston, W.W.K. (eds) *Zoological Catalogue of Australia*. Vol. 19.3A. CSIRO Publishing, Melbourne. 551 pp. [Hoplocarida co-authored with Shane Ahyong]

**Crustacea: Malacostraca: Eucarida (Part 2) Decapoda - Anomura, Brachyura.** 2002. P.J.F. Davie. In, Wells, A. & Houston, W.W.K. (eds) *Zoological Catalogue of Australia*. Vol. 19.3B. CSIRO Publishing, Melbourne. 641 pp.

These volumes form a comprehensive account of primarily taxonomic information on the Australian Malacostraca

other than members of the superorders Pericarida and Syncarida (these volumes will be also published in the next few months by Gary Poore & Jim Lowry et al.).

The volumes are available for purchase separately (Aus\$140 & \$150), or at a discount for the pair (Aus\$260). See the web sites listed below.

Volume 19.3A covers the shrimps, prawns, lobsters and yabbies, listing over 1200 species known from Australian waters, (including Australian Territorial waters. Website = <http://www.publish.csiro.au/books/bookpage.cfm?PID=3243>.

Volume 19.3B similarly details more than 1200 species of Australian crabs (Brachyura) and related groups such as hermit crabs, porcelain crabs, squat lobsters, mole crabs and their ilk (Anomura). Website = <http://www.publish.csiro.au/books/bookpage.cfm?PID=3244>.

Each genus and species includes a complete list of primary synonyms with full reference citations. All species names include data on type localities, as well as information on where types are deposited etc. Also included are notes on the ecology and distribution of species both inside and outside of Australian waters and hence the information is widely applicable to nations bordering the Indian and Pacific oceans.

All higher taxa, down to families and subfamilies, are fully diagnosed and available names listed, so hopefully this will become an important resource of worldwide interest.

Where possible, references are given to the best keys for identification at each taxon level. Great pains have been taken to check and provide accurate dates and full citations for all the older literature. A limited number of new taxonomic decisions are also taken.



**Invertebrates, 2nd Edition**

Colleagues,

The second edition of *Invertebrates* (R.C. & G.J. Brusca) is scheduled for publication at the end of this year. It will present updated surveys of the 34 animal phyla (and 18 currently recognized phyla of Protista). It is written to serve as both a college course text and a general reference on invertebrate biology. As with the first edition, it will be organized around the themes of bauplans (body plans) and evolution (phylogenetics). Each phylum will be organized in a

standardized fashion, treating systematics, bauplan (support and movement, feeding and digestion, circulation and gas exchange, excretion and osmoregulation, nervous system, reproduction and development), and phylogeny. Detailed classifications for all phyla are provided. Tables summarize the defining attributes of each phylum. It is planned that the final chapter will present a phylogenetic analysis of the animal kingdom (Metazoa), and this is currently under development. The text is accompanied by an abundance of detailed line drawings and (new to this edition) four-color photographs. Detailed references

are provided for all phyla. This new edition will take into account the explosion of molecular and developmental evolutionary work that has been published since 1990. Below is a chapter list, and also the classification of Crustacea planned for use in the Second Edition. The Crustacea chapter has been reviewed by a dozen people, and the species counts have been checked by about three dozen specialists. However, if anyone sees an error please do let me know (rbrusca@desertmuseum.org).

Rick Brusca

***Invertebrates, 2nd Edition. (in press). Richard C. Brusca and Gary J. Brusca.  
Sinauer Associates, Inc.***

*Contents*

1. Introduction
2. Classification, Systematics, Phylogeny
3. Animal Architecture and the Bauplan Concept
4. Animal Development, Life Histories, and Origins
5. Protista
6. Phylum Porifera: The Sponges
7. Four Phyla of Uncertain Affinity
8. Phylum Cnidaria
9. Phylum Ctenophora: The Comb Jellies
10. Phylum Platyhelminthes: Flatworms and their Kin
11. Phylum Nemertea: The Ribbon Worms
12. Blastocoelomates and Other Phyla
13. Phylum Annelida: The Segmented Worms
14. Sipuncula and Echiura
15. The Emergence of The Arthropods: Onychophorans, Tardigrades, the Arthropod Bauplan and Arthropod Evolution (including trilobites)
16. Phylum Arthropoda: Crustacea
17. Phylum Arthropoda: Hexapoda - Insects and their Kin
18. Phylum Arthropoda: Myriapoda
19. Phylum Arthropoda: Cheliceriformes
20. Phylum Mollusca
21. The Lophophorate Phyla
22. Phylum Echinodermata
23. Other Deuterostomes: Chaetognatha, Hemichordata, Chordata
24. Perspectives on Invertebrate Phylogeny



**Brusca & Brusca, Invertebrates, 2nd ed. (continued)***Classification of Crustacea*

Subphylum Crustacea (67,831 species)

Class Remipedia Remipedes (12 species)

Class Cephalocarida Cephalocarids (10 species)

Class Branchiopoda (903 species)

Order Anostraca. Fairy shrimps (270 species)

Order Notostraca. Tadpole shrimps (~12 species)

Order Diplostraca. The bivalved branchiopods

Suborder Laevicaudata. Clam shrimps (40 species)

Suborder Spinicaudata. Clam shrimps (180 species)

Suborder Cyclestherida. Monotypic; Cyclestheria hislopi

Suborder Cladocera. Water fleas (400 species)

Class Malacostraca (40,233 species)

Subclass Phyllocarida. A single extant order, Leptostraca, the nebaliceans (36 species)

Subclass Eumalacostraca. Crabs, shrimps, etc.

Superorder Hoplocarida. A single extant order, Stomatopoda, the mantis shrimps (350 species)

Superorder Syncarida. Syncarids (200 species)

Order Bathynellacea. Bathynellaceans

Order Anaspidacea. Anaspidaceans

Superorder Eucarida

Order Euphausiacea. Euphausiaceans & krill (90 species)

Order Amphionidacea. Amphionidaceans; monotypic: Amphionides reynaudii

Order Decapoda (18,000 species)

Suborder Dendrobranchiata. Penaeid & sergestid shrimps

Superfamily Penaeoidea

Superfamily Sergestoidea

Suborder Pleocyemata

Infraorder Caridea. Caridean and procaridean shrimps

Infraorder Stenopodidea. Stenopodid shrimps

Infraorder Brachyura. "True" crabs

Infraorder Anomura. Hermit crabs, galatheid crabs, sand crabs, porcelain crabs, etc.

Infraorder Astacidea. Crayfish and chelate lobsters

Infraorder Palinura. Palinurid, spiny, and Spanish (slipper) lobsters

Infraorder Thalassinidea. Mud and ghost shrimps

Superorder Peracarida. The marsupial crustaceans (21,558 species)

Order Mysidacea. Mysids (1,000 species)

Order Lophogastrida. Lophogastrids (40 species)

Order Cumacea. Cumaceans (1,000 species)

Order Tanaidacea. Tanaids (1,500 species)

Order Mictacea. Mictaceans (4 species)

Order Spelaeogriphacea. Spelaeogriphaceans (3 species)

Order Thermosbaenacea. Thermosbaenaceans (11 species)

Order Isopoda. Pillbugs, sowbugs, sea slaters, etc. (10,000 species)

Order Amphipoda. Amphipods – beach hoppers, sand fleas, skuds, caprellids, hyperiids, etc. (8,000 species)

Class Maxillopoda (26,674 species)

Subclass Thecostraca. Barnacles and their kin (1,388 species)

Infraclass Cirripedia. Cirripedes, the barnacles and their kin (1,285 species)

Superorder Acrothoracica. Boring "barnacles" (40 species)

Superorder Rhizocephala. Parasitic "barnacles"; two orders, Kentrogonida and Akentrogonida (235 species)

**Brusca & Brusca, Invertebrates, 2nd ed. (continued)**

- Superorder Thoracica. True barnacles; two orders, Pedunculata (pedunculate, or goose barnacles) and Sessilia (sessile, or acorn barnacles) (1010 species)
- Infraclass Ascothoracida. Parasitic thecostracans (90 species)
- Infraclass Facetotecta. Monogeneric (*Hansenocaris*), the mysterious “y-larvae,” a group of 13 marine nauplii & cyprids bearing 7 species names
- Subclass Tantulocarida. Deep-water parasites (12 species)
- Subclass Branchiura. The fish lice, or argulids, with a single family (*Argulidae*) (130 species)
- Subclass Pentastomida. The tongueworms, in two orders & numerous families (131 species)
- Subclass Mystacocarida. Mystacocarids, with a single family (*Derocheilocarididae*) (13 species)
- Subclass Copepoda (12,000 species)
  - Infraclass Progymnoplea
    - Order Platycopioida. Platycopioids
  - Infraclass Necopepoda
    - Order Calanoida. Calanoids
    - Order Cyclopoida. Cyclopoids
    - Order Gelyelloida. Gelyelloids
    - Order Harpacticoida. Harpacticoids
    - Order Misophrioida. Misophrioids
    - Order Monstrilloida. Monstrilloids
    - Order Mormonilloida. Mormonilloids. Monogeneric: *Mormonilla*
    - Order Poecilostomatoida. Poecilostomatoids
    - Order Siphonostomatoida. Siphonostomatoids
- Subclass Ostracoda. Ostracods (13,000 species)
  - Superorder Myodocopa. All marine
    - Order Myodocopida
    - Order Halocyprida
  - Superorder Podocopa
    - Order Podocopida. Marine and freshwater
    - Order Platycopida. Exclusively marine
    - Order Palaeocopida. Includes the Punciidae, abundant in the Paleozoic, but represented today only by a few rare South Pacific species of *Manawa*.



## Upcoming Crustacean Meetings

For links and updates to upcoming TCS and other crustacean-related meetings, please consult the society's website at <http://www.vims.edu/tcs>.

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### TCS Meetings

**Winter 2003 Meeting  
(with SICB)**  
4-8 January 2003  
Toronto, Canada

The Crustacean Society (TCS) is in the process of re-establishing a formal presence at the annual Winter Meetings co-sponsored with The Society of Integrative and Comparative Biology (SICB, formerly ASZ). No symposia have been planned for the upcoming Winter Meeting in Toronto, January 4-8, 2003 (meeting website: <http://www.sicb.org/meetings/2003/index.php3>), and the deadline has passed for submitting symposia ideas for the 2004 Winter Meeting in New Orleans. However, TCS will conduct a *Best Student Paper and Poster Competition* at the upcoming meeting in Toronto and there will also be a business meeting for members held during the conference (time and place to be announced in the Meeting Program). The "official" TCS poster and membership forms will also be on display to recruit new members.

TCS members planning on attending the Toronto Meeting are encouraged to attend the Business Meeting, and students interested in participating in the *Best Student Paper/Poster Competition* are asked to contact Trisha Spears ([spears@bio.fsu.edu](mailto:spears@bio.fsu.edu)). TCS members who regularly attend the Winter SICB Meetings are also encouraged to submit symposia ideas for the 2005 meeting to Trisha Spears.

**Summer 2003 TCS Meeting**  
1-5 June 2003  
Williamsburg, Virginia

The 2003 summer meeting of the Crustacean Society will be held in Williamsburg, Virginia. Please see the "1st announcement flyer" on the following page of this newsletter for additional information.

**Winter 2004 TCS Meeting  
(with SICB)**  
4-8 January 2004  
New Orleans, Louisiana

The 2004 winter meeting of the Crustacean Society will be held in conjunction with SICB in New Orleans, Louisiana. Please check the TCS website or SICB websites for updates.

**Summer 2004 TCS Meeting**  
Summer 2004  
Iguazu, Brazil

The 2004 summer meeting of the Crustacean Society will be held in conjunction with the Congresso Brasileiros sobre Crustaceos in Iguazu, Brazil. Dates and additional information will be forthcoming (check the TCS website).

**Sixth International Crustacean  
Congress (ICC6) &  
Summer 2005 TCS Meeting**  
18-23 July 2005  
Glasgow, Scotland

The Sixth International Crustacean Congress (ICC6) and the Summer 2005 TCS Meeting will be held July 18-23, 2005, at the University of Glasgow, Scotland, UK. Further infor-

mation can be obtained from the conference website (<http://www.gla.ac.uk/ibls/icc6>) and the Tourist Board website (<http://visitors.seeglasgow.com>) and from: Dr. Douglas M. Neil, Institute of Biomedical and Life Sciences, Graham Kerr Building, University of Glasgow, Glasgow G12 8QQ Scotland, UK. Tel.: +44(0)1413305969; Fax: +44(0)1413305971; email: [d.neil@bio.gla.ac.uk](mailto:d.neil@bio.gla.ac.uk)

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### Other Meetings & Symposia

**International Colloquium  
on Amphipods**  
25-30 March 2003  
Tunis, Tunisia

**National Shellfisheries Association  
Annual Meetings**  
13-17 April 2003  
New Orleans, Louisiana

**Interactions between the Magellan  
Region and the Antarctic**  
19-24 October 2003  
Ushuaia, Tierra del Fuego

**7th International Conference and  
Workshop on Lobster Biology  
and Management**  
8-13 February 2004  
Hobart, Tasmania



1<sup>st</sup> Announcement

# The Crustacean Society's Annual Summer Meeting Williamsburg, VA June 1-5, 2003

**Symposia:** Several symposia are planned, including the Biology of Exploited Penaeid and Pandalid Shrimps, the Biology and Ecology of the Blue Crab, the Rhizocephala, the Ecology and Systematics of Deepwater Crustaceans, Behavior and Sociobiology of Crustacea, and the Molecular Ecology of Crustacea. If you are interested in participating in a symposium, please contact the symposium organizer at the web site below. General sessions are also planned.

**Registration:** To be announced. See <http://www.vims.edu/tcs> for updates, registration and abstract forms. For more information contact Jeff Shields, POB 1346, Virginia Institute of Marine Science, Gloucester Point, VA 23062, (804) 684-7128, [jeff@vims.edu](mailto:jeff@vims.edu).

**Venue:** Williamsburg was Virginia's first capital and served as an important center for the early colonization of the USA. Colonial Williamsburg is a large restored attraction with several blocks of period buildings, historical presentations, and more. A distinct part of this Colonial district is The College of William and Mary, which is the second oldest university in the USA (1693) and still holds an English Charter. There are many fine historical attractions and excellent dining places, including historical taverns, four- and five-star restaurants, and much more within a short walking distance of the campus.

Williamsburg is located in Tidewater Virginia and is part of the Hampton Roads area. The Tidewater region has several historical attractions ranging from the colonial era (Yorktown, Williamsburg, Jamestown) through the Civil War (Monitor and Merrimac, the Peninsula Campaign, Richmond, Petersburg) to the present (Air and Space Museum, Marine Science Museum, Maritime Museum, Chrysler Museum). Family entertainment includes Colonial Williamsburg, Jamestown, Busch Gardens, and Water Country USA. Virginia Beach with its beautiful sandy beaches is located about 1.5 hours east and Richmond, the capital of the South, is located about 1 hour west.

**Accommodations:** Blocks of rooms have been reserved at the spacious Hospitality House. Rooms will be \$119 + tax with no additional charge for more people. The hotel is located adjacent to the College of William and Mary and nearby to Colonial Williamsburg. The area has many excellent hotels as the area is a popular tourist location.

**Don't miss the 2003 TCS meeting in Williamsburg!**



## The Crustacean Society Fall 2002 Elections

The Crustacean Society officers and governors serve for two-year terms, half being elected each year. The term of the President and President-Elect is limited to two years but other officers and governors may serve multiple terms. Five offices are now open for the period 2003-2004, including the positions of Secretary, Treasurer, North American Governor, European Governor and Indo-Pacific Governor. Brief biographies of the nominee or nominees for each office are given below. You may vote either by email or by the ballot attached at the end of this newsletter. Email is the preferred method as it expedites the process. Please take the time to vote for the candidates nominated or you may write-in a candidate of your choice. Voting will close on **15 December 2002**.

To vote by email, please type "The Crustacean Society 2002 Ballot" in the subject field and send your votes to Dr. Trisha Spears at spears@bio.fsu.edu. Please limit the message field to:

Secretary: name of candidate  
 Treasurer: name of candidate  
 North American Governor: name of candidate  
 European Governor: name of candidate  
 Indo-Pacific Governor: name of candidate

To vote by regular mail, please mark your ballots and return them to: TCS Fall 2002 Elections, Care of: Dr. Trisha Spears, President-Elect, The Crustacean Society, Department of Biological Science, Florida State University, Tallahassee, Florida 32306-1100 USA.

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### SECRETARY

#### **Jeffrey Shields (incumbent)**

Associate Professor, Virginia Institute of Marine Science, Gloucester Point, Virginia, USA

Education: B.A., Aquatic Biology, Univ. Calif., Santa Barbara, 1980; M.S., Parasitology, Univ. Calif., Berkeley, 1983; Ph.D., Aquatic & Population Biology, Univ. Calif., Santa Barbara, 1987. Professional Employment: Postdoc. Assoc., Univ. Calif., Santa Barbara, 1988; Research Fellow & Assoc., Dept. Parasitology, Univ. Queensland, Australia 1989-1993; Visit. Instruct., Purdue Univ., 1991; Research Coordinator, CBNERRVA, VIMS, 1992-1997; Assist. Res. Prof., VIMS, 1994-2000; Assoc. Res. Prof., VIMS, 2000-2002. Assoc. Prof., VIMS, 2002-. Publications: 41/73. Memberships: AAAS, TCS, Natl. Shellfish. Assoc., Am. Soc. Microscop., Am. Soc. Parasitol. Other: List Admin., CRUST-L and MARINE\_PATHOL; ICES delegate, 2000-. Offices: Secretary, TCS, 1999-. Research Interests: Epizootiology and pathology of diseases in marine organisms, taxonomy of parastic organisms, host-parasite relationships, *Pfiesteria*.

### TREASURER

#### **Mary Schug Belk (incumbent)**

San Antonio, Texas, USA

Mary Schug Belk received her Bachelor's Degree in Biology and Education from the University of Texas at Austin (1969) and her Master's Degree in Biology from the University of Guam (1971). Her thesis research was on the ecology of *Pomacentrus lividus* and *Pomacentrus albofasciatus* (Pisces: Pomacentridae) in Tumon Bay, Guam. She has worked as a science educator, a research assistant, a laboratory supervisor, and co-owner and vice-president of a private corporation. She also has an extensive knowledge of the financial history of TCS. Her current research interests large branchiopods, and she teaches a course (with C.D. Rogers and R. Hill) on the identification of California fairy shrimp. She is also near completion on a taxonomic survey of large branchiopods on Aruba (with K. A. L. Reading).

## NORTH AMERICAN GOVERNOR

### **J. Emmett Duffy (incumbent)**

School of Marine Science, College of William and Mary, Virginia, USA

Emmett Duffy is Associate Professor at the College of William and Mary. He received his Ph.D. in 1989 from the University of North Carolina at Chapel Hill, working on evolutionary ecology of grazing amphipods. He developed a second major interest, the ecology and systematics of sponge-dwelling alpheid shrimps, through a Smithsonian Postdoctoral Fellowship at the NMNH (1990), and a National Science Foundation (NSF) Postdoctoral Fellowship at UC Davis (1992-94). His research interests range broadly across ecology and evolutionary biology, focusing on crustaceans, and incorporate experimental ecology, molecular genetics, and good-old-fashioned alpha taxonomy. Current research focuses on the role of grazing peracarids in coastal systems, and the evolutionary radiation of sponge-dwelling *Synalpheus*, particularly the ecology and evolution of social organization. In addition to describing the first known case of marine sociality, he has published a phylogenetic analysis of *Synalpheus*, described three new species of the genus, and with doctoral student Ruben Rios, is revising Caribbean species. Emmett has published over 29 papers and received several NSF grants. He has served on the editorial board for Ecology and Ecological Monographs, reviews Mss for numerous journals, and has served on review panels for NSF programs in Biological Oceanography and Systematic Biology.

## EUROPEAN GOVERNOR

### **Angelika Brandt (incumbent)**

Zoological Institute and Museum, Hamburg, Germany

Angelika Brandt was born in Minden/Westfalen. She studied education, biology and English at the University of Oldenburg, where she also passed a research diver's examination in 1986. Her first state examination on the ultrastructure of an isopod's sensory organ was awarded as well as her dissertation thesis on the origin of Antarctic Isopoda (Crustacea, Malacostraca). In 1992, Angelika Brandt received a post-doctoral position at the Institute for Polar Ecology in Kiel, Germany, and studied community patterns and particle flux in a special research project "Environmental changes, the northern North Atlantic". She continued to work on peracarid crustaceans, but her focus shifted from systematic, phylogenetic and zoogeographic analyses towards ecological approaches. Angelika joined roughly 10 expeditions to the Arctic and Antarctic including an Antarctic diving expedition in 1989/90 on King George Island (South Shetland Islands). In December 1995 Angelika Brandt became a professor for Special Zoology at the University of Hamburg and the curator for the crustacean and polychaete collection of the Zoological Institute and Zoological Museum, also in Hamburg. In 1998 she organized an international student excursion to Greenland together with Prof. Reinhardt Kristensen from Denmark. Angelika Brandt's scientific interests are the systematics, evolution, ecology, and biogeography of peracarid crustaceans. She acted as the senior scientist during ANDEEPI & II (Antarctic benthic DEEP sea biodiversity: colonization history and recent community patterns), the first biological expedition with the RV *Polarstern*, which was devoted entirely to benthic research in the Antarctic abyss (January to April 2002). This expedition was devoted to Howard Sanders.

### **Wim Vader**

Tromsø Museum, Tromsø, Norway

Wim Vader was born in Krabbendijke, The Netherlands, and remains a Dutch citizen. He studied biology at the University of Leiden, The Netherlands, and worked at the Leiden RMNH Museum as an assistant of Dr L.B.Holthuis. He also worked as a benthic zoologist at the Delta Institute of Hydrobiological Research in Yerseke, The Netherlands. Upon moving to the University of Bergen, Norway, in 1965, he received grants from that university and the Norwegian Research Council. Since 1973 he has served as First Curator of Vertebrates and Marine Invertebrates at the Tromsø Museum, University of Tromsø, and he has been full professor (Zoology) at this university since 1990. He has worked as a visiting researcher at Bodega Marine Laboratory (Bodega Bay), Scripps Institute of Oceanography (La Jolla), the Australian Museum (Sydney), the South African Museum (Cape Town), and University College Cork (Ireland). Dr. Vader's scientific specialty is the Amphipoda, especially the taxonomy, distribution and adaptations of associated amphipods, the Amphipoda of the NE Atlantic, and recently, in cooperation with Dr. Jørgen Berge, the family Stegocephalidae. Since 1970 he has also produced and published the Amphipod Newsletter (now on the web), and he maintains the Amphipod Website from Tromsø Museum. He has published over 100 refereed papers, plus a considerable production of popular papers, the latter mainly on birds.



## INDO-PACIFIC GOVERNOR

### **Colin McLay (incumbent)**

University of Canterbury, Christchurch, New Zealand

Colin McLay lives and works in Christchurch, New Zealand in the Zoology Department, Canterbury University. His interest in crustaceans began with work on the ecology of temporary pool ostracods in Canada, then masking behaviour of New Zealand spider crabs and population ecology of several shallow water species. Ecology and camouflage behaviour of Australian sponge crabs led to work on the systematics of two podotreme families, the Dromiidae and Dynomenidae. More recently work has focussed on mating strategies of New Zealand crabs, and a contribution to the revision of the Parthenopidae. Colin owns a complete set of JCB's which are not for sale! He has been known to frequent the halls of MNHN, Paris and NUS, Singapore from time to time. He has been a member of TCS since 1980 and is the incumbent Indo-Pacific Governor.

### **Shane Ahyong**

Australian Museum, Sidney, Australia

Shane Ahyong received his PhD in Biological Sciences from the University of New South Wales in 2000 with Buz Wilson as his major adviser. Prior to commencing doctoral studies, he worked at the Australian Museum variously in ecological survey and collection management, and at the University of Sydney as the MacleayMiklouho-McLay Research Fellow studying Decapoda. Subsequently, he has held research fellowships from the National University of Singapore and the Museum National d'Histoire Naturelle, Paris. Currently, he is a Research Associate and Postdoctoral Research Fellow at the Australian Museum, Sydney, Australia. Primary interests are in the systematics and biogeography of stomatopods and decapods, phylogenetic methods, and encouraging students to get keen about Crustacea. He doesn't have a full set of JCB, but is working on it.



# BALLOT



## The Crustacean Society Fall Elections, 2002



Deadline for return of ballots is  
December 15, 2002

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Please indicate your choice of candidate for each of the TCS offices listed below, fold, staple, affix a stamp, and mail to Dr. Trisha Spears at the address on the reverse of this ballot. If you prefer, you may vote via email by placing “**The Crustacean Society 2002 Ballot**” in the Subject line and sending your selections to Dr. Spears at [spears@bio.fsu.edu](mailto:spears@bio.fsu.edu). See page 22 of the November 2002 *Ecdysiast* for detailed email voting instructions and for brief biographies of the candidates.

*THANKS FOR TAKING THE TIME TO VOTE!!!*

### SECRETARY

\_\_\_\_\_ Jeffrey Shields (incumbent)  
\_\_\_\_\_ other \_\_\_\_\_

### TREASURER

\_\_\_\_\_ Mary Belk (incumbent)  
\_\_\_\_\_ other \_\_\_\_\_

### NORTH AMERICAN GOVERNOR

\_\_\_\_\_ Emmett Duffy (incumbent)  
\_\_\_\_\_ other \_\_\_\_\_

### EUROPEAN GOVERNOR

\_\_\_\_\_ Angelika Brandt (incumbent)  
\_\_\_\_\_ Wim Vader  
\_\_\_\_\_ other \_\_\_\_\_

### INDO-PACIFIC GOVERNOR

\_\_\_\_\_ Colin McLay (incumbent)  
\_\_\_\_\_ Shane Ahyong  
\_\_\_\_\_ other \_\_\_\_\_

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

Staple

Fold 2

Place  
Stamp  
Here

**TCS Fall 2002 Elections**  
*Care of:* Dr. Trisha Spears  
President-Elect, The Crustacean Society  
Department of Biological Science  
Florida State University  
Tallahassee, Florida 32306-1100  
USA



Fold 1