



THE *E*CDYSIAST

Newsletter of the Crustacean Society

Volume 22, Number 1

May, 2003

Message from the President

Dear TCS members,

The first three months of this year have been exceptionally busy for Board members. I am pleased to note that the 2002 elections returned sitting Board members to their posts – Jeff Shields (Secretary), Mary Belk (Treasurer), Emmett Duffy, Angelika Brandt and Colin McLay (North American, European and Indo-Pacific Governors respectively). Thanks to them for continuing to contribute and support The Crustacean Society.

Much of our effort has been to debate the issues raised by The Crustacean Society Review Commission. The Review was initiated by past-President Jens Høeg and reported in August 2002. Its recommendations were published in the *Ecdysiast* in November 2002. Some of the issues raised are easy to tackle, some will take a lot of work, some suggestions have been acted on already but others will take some time. It is not too late for members to respond to the issues – we have heard from some individuals concerned about meeting schedules for example. A brisk exchange between Board members has been summarised by me and this response will be debated further before and during our Annual Meeting in Williamsburg, VA. E-mail communication between Board members has made our task easier but such is the complexity of some issues that on 31 May the board will hold its first all-day meeting for many years.

The Review Commission found some anomalies in our Constitution and By-laws. Elsewhere in the *Ecdysiast* you will find the Board's response to this, some amendments which we the members will be required to vote on at the Annual Meeting in June 2003. These cover our purpose, rights of membership, election of officers, and the Awards Committee.

Specialist subgroups, disciplinary or geographical, were suggested by the Review Commission. While some board members supported this in principle The Crustacean Society should not compete with other specialist societies, meetings or groups. For example, there is healthy communication

between the world's copepodologists and between carcinologists in Japan, Brazil and Germany. Rather, TCS will continue to coordinate where possible its annual meetings with other carcinological meetings, a strategy that has proved popular in the past. TCS's communication media are open to other societies.

The roles of Officers were addressed by the Review Commission. Currently, the Board is working well and discussion is healthy. The documents describing these roles and those of subcommittees have not been reviewed since TCS began 22 years ago. These documents will be brought up to date this year.

The Society has recently revised its publishing policy and it is premature to revisit the numerous complex issues. However, the debate on mandatory page charges for non-members continues.

TCS has continued more actively in recent years presenting awards for student papers at its own meetings and at others with a carcinological content. In doing this it has left the Awards Committee's rules way behind and these now need to be rewritten to bring them into line with what is practical.

Mary Belk has begun discussions with the Board on reconstituting the Finance Committee as recommended by the Review Commission.

A contentious issue in 2003 was the strain placed on the Society by the need to have two meetings a year. The so-called 'summer' meeting, better called the mid-year meeting by us in the Southern Hemisphere, is now well established as the TCS official business meeting. Its move outside north America in 1988, 2001 and 2002 alienated some US members but allowed many in other parts of the world to attend. The 1988 and 2001 meetings were the largest in our history. The Society's failure to have a presence at SICB in January 2002 was acknowledged and redressed in 2003. The Board is working towards a strategy that allows it to support crustacean symposia at the SICB meeting. Our US board members, especially President-Elect Trisha Spears, are working with others to re-establish our connection with SICB and she attended the Toronto meeting. We will support a TCS-sponsored symposium at the 2004 meeting in New Orleans.

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The Review Commission recommended simplifying membership categories. While some Board members agree we have not yet devised an alternative scheme that is fair, meets our budget and is rewarding for members. This is an issue for our mid-year meeting as are related strategies for recruiting and holding on to members.

While the Board has been busy debating the Review Commission's recommendations, these are not the only matters engaging the Society.

Our *Journal of Crustacean Biology* continues to flourish under the stewardship of our honorary Editor, David Camp. You can read his full report elsewhere in this issue. His initiatives have ensured that *JCB* gets the best papers and greatest exposure. What he hasn't told you is the extraordinary numbers of hours he spends each day to maintain the journal for us. We owe him very special thanks!

After one hiccup *Ecdysiast* is back on track with a new Editor, Rachael King. Welcome to Rachael! (And no, I didn't coerce my former student to take on this onerous role!) I am certain that she would welcome news from all members – lab reports, exciting research results, etc. Another special thank you to Tim Stebbins who has kept *Ecdysiast* going since 1996. The Board has discussed the relative merits of paper versus electronic copies of *Ecdysiast* and has decided to continue with both.

A further medium to enable communication between members was initiated by Secretary Jeff Shields. CRUST-SOC is a list server sending information to all The Crustacean Society members with an e-mail address. Ensure Jeff has your e-mail address if you have not heard from this list recently.

Jeff Shields also looks after the TCS website with several updates to incorporate a poster and membership forms for distribution at meetings, links to the *JCB* site and meeting schedules. Jeff is another hard-working Board member deserving of our thanks.

Thanks to all board members, including past-Presidents, who have helped me formulate responses to the many matters The Crustacean Society must deal with. Some decisions have been made already, more will be made this year, but other actions will be ongoing if we wish to maintain a healthy society. I look forward to meeting with you in Williamsburg in June 2003 – and hopefully again in Iguazzu, Brazil in 2004 and Glasgow, UK in 2005. The Society has determined that we will meet again in the USA mid-year in 2006. The exact whereabouts has yet to be decided and volunteers are encouraged to offer to organise our meeting three years hence.

Gary C. B. Poore
President, The Crustacean Society



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The Crustacean Society
2003



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Thank you to Tim Stebbins, former Editor of The Ecdysiast, for all the time and effort he put into producing this newsletter for TCS for so many years!

All contributions to The Ecdysiast should now be sent to:
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TCS Treasurer's Report

This has been a transition year for the Treasury of The Crustacean Society. Fortunately the assistance of David Camp, JCB Editor, gave me the confidence and backup necessary to complete this report. The materials submitted by the former treasurer Alan Harvey, and questions answered by the rest of the board and past board members, allowed us to make it through all the turmoil. We now have reached the point I can present this report for 2002, with some confidence that the numbers in it are correct.

History has not been adequately kept by TCS. I would like to take a moment to give you some of that now. C.W. Hart Jr. was the first treasurer of the Society (1984) after the disillusion of the Organizing Council. Denton Belk was the second treasurer of TCS starting in 1986. He helped change the philosophy of the board to put the Society on a firm financial footing. He had the business background to understand the need for fiscal responsibility that would get the Society correctly positioned for the future. Over time, he helped change the structure of the membership dues so each category would pay the costs or most of the cost of receiving JCB. The Student category was not receiving JCB and was lower than the cost of publication. Juggling the dues was a crucial step to get TCS through the financial problems of the 1980's. TCS had problems in that time frame, because of the escalating cost of producing a quality journal. One of the main reasons the Organizers got together, was to produce JCB. To have it less than top quality, has been repugnant to all board members from the beginning. JCB is the main expense of TCS. Denton had set a goal for himself, that the Society would have three years of money backlogged for production of JCB before he would leave office. Denton set up the JCB Endowment Fund and put the money in Vanguard Windsor II. He set up the Endowment Fund and put it in Harbor Funds. These steps were taken to help promote the long-term future of TCS and JCB. By 1996 Denton had reached his goal. The Crustacean Society had been kept out of bankruptcy in the 1980's, had the start of a general endowment fund and had the future of JCB nailed down with two years of money in the JCB Endowment Fund and the third year in the bank. Denton retired from the Treasurer's job at the end of 1996, turning the responsibility over to Alan Harvey. Alan faced problems from the start, as journal expenses started to exponentially escalate again. The editor's job was up for reassignment and the "not knowing" who was going to take over or how the problems were to resolve themselves was difficult. Then David Camp stepped in as Editor of JCB. As his time in office progressed, David learned the importance of maintaining a grasp on finances. This understanding has been crucial to the transition from Alan's treasury to mine. David has formed a substantial financial support for the TCS Treasurer. I appreciate and acknowledge his important help.

David initiated several programs to collect additional money for the production of JCB from the authors of papers printed in JCB. Looking at the 2002 data, one can see the importance of that contribution to producing the current surplus. I am happy to report we still have three years of money to produce JCB and are moving on from there. I have had to rely on Kay Rose at Allen Marketing and Management, our business office, for a good deal of information and background data. She has performed beautifully.

My motive for taking this job is the wish to promote what my husband Denton, felt so strongly about. My major long term goal is to go one step further, making the Society self funding, if at all possible.

TCS is in a good economic position at the moment, but not yet able to relax. David and I will go forward watching the finances like hawks and trying to make money for the society while being responsible to member needs, at the same time. We have had several discussions and numerous emails to get abreast of each others' opinions and I will try to relieve David of some of the burden he has been, so diligently, carrying.

We are again facing questions of membership categories and dues structure. We are in the position of needing to make decisions about financial management issues. We are ready to consider taking steps to put TCS on the web in terms of collecting dues, selling back issues, T-shirts etc. with direct credit card acceptance. We need to discuss the management of our business office in regards to cost and usage. We are in the need to sign new contracts for publishing JCB and thus answer the question, do we stay with Allen Press or move elsewhere. These are all financial issues. I hope to help solve these problems. Towards this end, I have created a history of membership categories, a comparative look at income and expenses from 1996 through 2002, and this treasurer's 2002 report with attached financial analyses.

As Alan Harvey reported last year, we had another down year on the stock market. Vanguard Windsor II Fund lost money again this year. The lose was -\$22,114.90. We should start recovering from there but the uncertainty of war is another problem for the markets. Harbor Fund also lost money. Its lose was -\$63664.24. See the comparative sheet for 1996 – 2002. We had an exceptional year which allowed us to show a positive cash flow, with a net income of \$19,513.88. If we had experienced an average year or less, we would again have been in the red. This is why it is important to make changes very slowly.

Respectfully submitted,
Mary Schug Belk



JCB Editor's Report

The *Journal of Crustacean Biology*, and by extension, The Crustacean Society, continued to serve the publishing needs of carcinologists during calendar year 2002. Volume 22 of *JCB* was 980 pages long. It contained 93 research articles, one biography, one obituary, and three book reviews, plus various announcements, minutes of society business meetings, and indices. The journal was not supported mostly by authors from North America, as some may surmise; authors from many nations supported *JCB* by contributing their research results for publication there. The research articles had a total of 234 authors representing 32 countries from all parts of the globe, including Argentina, Australia, Belgium, Brasil, Cameroon, Canada, Chile, Denmark, Egypt, France, Germany, Greece, Iceland, India, Indonesia, Italy, Japan, Korea, Macedonia, México, the Netherlands, New Zealand, People's Republic of China, Portugal, Republic of China (Taiwan), Russia, Singapore, Sri Lanka, Spain, United Kingdom, United States of America, and Venezuela. This was, no doubt, because *JCB* has a moderately high impact factor (IF) among similar specialist journals (e.g., for year 2000, the IF of *JCB* was 0.837, and the IF for *Crustaceana* was 0.455).

Membership in The Crustacean Society is not a requirement for publication in *JCB*, as some carcinologists still believe. The journal serves authors regardless of whether they are members of the society. Of the 93 research articles published in volume 22, 65 (70%) had at least one author who was a member of the society. Alternatively, 28 articles (30%) were by authors who were not society members.

The publication of *JCB* continues to be the single greatest expense to the society, but revenues (from all sources) are keeping up with the costs. Page charges are those costs associated with printing a simple page containing only text, and they include the costs for typesetting, materials, and printing. Additional charges are incurred for the printing of figures and tables because of the extra preparation those elements require. Still more costs are incurred to make alterations in proof; to bind, package, and mail the books to members and subscribers; and to store the back issues. Of all these costs, the page charges are the greatest. Nominal page charges are requested from authors to help the society offset the cost of printing the journal. (The nominal page charges requested from authors are lower than the actual printing, binding, and distribution costs required to publish the journal. This discussion involves only the nominal page charges.) A small increase in the nominal page charges, which are optional for authors who are unable to pay them, and a requirement of the mandatory payment of costs for the printing of figures and tables and to make alterations in proof went into effect on 1 May 2001. The mandatory charges were initiated to force authors to reduce the number of unnecessary but costly figures and tables being submitted, to reduce wholesale alterations to text while

the paper is in proof, and to help soften the financial impact of publishing papers by authors who are unable to contribute anything toward the page charges. All manuscripts submitted after 1 May 2001 were subject to the new charges, and all manuscripts which had been submitted prior to that date but still were not yet published fell under the old rates. Of the 93 research papers published in volume 22, 54 fell under the old rates of \$60 per printed page and no mandatory charges for figures, tables, and alterations, and the remaining papers fell under the newer rates of \$65 per printed page and mandatory charges for figures, tables, and alterations.

The society has a longstanding policy to publish meritorious manuscripts regardless of the author's ability to pay the page charges. As the editor, I let the peer reviewers decide which papers are meritorious, and unlike my predecessor, I publish every one that the reviewers recommend to accept. The inability of an author to pay the page charges is never a factor in deciding upon the acceptance or rejection of a manuscript. Authors of 28 papers in volume 22 (30.1% of 93 papers) were able to pay the full nominal page charges, and authors of 33 papers (35.5%) were able to contribute some money towards the page charges (\$11,309 of the \$22,950 in nominal page charges for papers by that group of authors). However, authors of 32 papers (34.4%) were unable to pay anything towards the page charges (\$16,090 in nominal page charges for those papers). Therefore, \$27,731 of the nominal page charges essentially were paid from other sources, including revenues from library subscriptions and membership dues. Of the 32 papers for which no page charges were paid, 13 (41%, representing \$6850 in nominal page charges) were by authors who were not members of the society. Although membership in the society is not a prerequisite for publishing in *JCB*, perhaps it is time to institute a policy of mandatory payment of the nominal page charges by authors who are not society members so the members do not have to partially subsidize those papers through their dues. The publication of too many subsidized papers could lead to increased membership dues, something none of us wants.

The increased charges to authors had no effect on the number of manuscripts submitted. In the 12 months before the higher rates were announced, the mean number of manuscripts submitted each month was 9.75 (range = 5–15; $n = 12$ mo.). In the 12 months following the announcement of the new rates, the mean number submitted each month was 9.5 (range = 3–16; $n = 12$). Only one author has withdrawn a submission upon learning of the mandatory charges.

In addition to the increase in author charges, the library subscription rate for *JCB* was increased. The increased subscription rate apparently did not scare off many librarians and cause them to drop their institution's subscription to the journal. Some did, however, but they were replaced by new subscribers. In December 2001, there were 289 library subscriptions to the print version of *JCB*. By December 2002,

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only 255 of those libraries had renewed their subscriptions. This loss of 34 subscriptions was made up by 48 new subscriptions, a net gain of 14 new libraries. The increased revenues from the higher subscription rates and new subscriptions also helped pay for the publication of *JCB*.

The society continues its association with the BioOne consortium (www.bioone.org), which was begun in late 2001. More than 400 libraries subscribe to the BioOne database of online journals, and TCS derives income from that subscription source plus a fee from every electronic "hit" made to download a *JCB* article from the database. This source of revenue may increase as the result of an agreement begun in late 2002 between BioOne, its publishing partners (e.g., TCS), and the Infotrieve company. Soon (as of this writing), individuals will be able to download articles from *JCB* through the Infotrieve service directly from the BioOne website, regardless of whether one's institution subscribes to the database. Hopefully, this will make *JCB* accessible to more researchers. This arrangement will continue as long as the print version of *JCB* is printed by Allen Press, a partner in the consortium, which is the only printer we have had over the 22-year existence of the journal. If the society has the print version printed by another firm, TCS will no longer derive income from the BioOne/Infotrieve source, according to the agreement, because BioOne pays Allen Press for the file conversion that enables full-text articles and figures from *JCB* to be posted on the Internet.

I believe the way Allen Press implements online journals is the better way to do it. Some online publishers offer only Acrobat PDF files for downloading. Within the publishing industry, that is considered a short-range solution that may not work in the future because it relies on proprietary software (i.e., Adobe Acrobat). The electronic version of a manuscript that has its elements tagged by proprietary code is not readable by other proprietary systems. Moreover, there are no long-range (i.e., decades long) standards for the archiving of proprietary file formats. A manuscript stored as a PDF file today may not be readable 30 years from now because proprietary software evolves over time (and software manufacturers sometimes go out of business). However, an international standard that leads to uniformity and interchangeability of electronic manuscripts across various systems has been developed. It is the Standard Generalized Markup Language (SGML), which sets forth standards for the preparation and tagging of electronic manuscripts. The XML, HTML, and currently favored XHTML languages are subsets of SGML, and files written in all of those languages are stored as simple ASCII files rather than in proprietary file formats. Allen Press has chosen to use SGML in archived ASCII files for the long-term storage of all online manuscripts. When a user makes a hit on a *JCB* article online, the software on the storage server translates the SGML into XHTML on the fly for display on the user's monitor. Thus, the electronic files can

be archived over decades as ASCII files, and translation software used by the printing and communications industries will make them available for use by various print and electronic media in the future. (Imagine reading a *JCB* article on your cell phone while in the field.) Manuscripts tagged and stored in this manner offer another advantage in that links can be made between a paper listed in the Literature Cited section and the full-text version of that paper if it is stored on another system. Of course, the print version of any journal should serve as the ultimate archival copy because it is real and not virtual. That is why, in my opinion, TCS must never abandon the print version of *JCB*.

A major change was made in the editorial process during late 2002 in an effort to save time and money, to decrease typesetting errors, and to increase the quality of the journal. When I took over the editor's position, most manuscripts were sent to the printer as edited, marked up hard copy, and the printer had to key the text into a digital system. This procedure led to a very high rate of typesetting errors, which took a vast amount of time and effort to detect and correct. Allen Press gives TCS a discount on the typesetting fee when we submit an unedited electronic file (of the text only, not figures) along with the edited, marked up hard copy. Their typesetters then make the electronic file match the hard copy (which in some ways is more difficult than typing from scratch). I began sending unedited electronic files to the printer immediately upon taking the editor's position. Because of the difficulty of correctly editing an existing electronic file and the high volume of manuscripts being processed by the printer during a short period, this procedure also led to a moderately high rate of typesetting errors and a long time spent by the editor and a paid assistant to proofread the page proofs. The proofreading was very time consuming and expensive, because the assistant was paid by the hour, and we read every word and every punctuation mark aloud. Allen Press gives an additional discount when we submit edited electronic files that already match the marked up hard copy. Now, my assistant edits the electronic files before we send them to the printer, and we do not proofread the page proofs with the same intensity that we once did. The number of typesetting errors has been reduced dramatically. For now, instead of being paid by the hour, my assistant is paid the same amount as the difference between the discount given by Allen Press for submitting an edited file and that for submitting an unedited file. Hopefully, over time, this will save the society money.

Respectfully submitted,
David K. Camp.



THE CRUSTACEAN SOCIETY CONSTITUTION

Proposed changes for discussion and voting, June 2003.

Following the recommendations of its Review Commission in August 2002 the Board of Governors of The Crustacean Society considered proposed changes to the Constitution, last revised in 1996. In accordance with Article 12 of the constitution, this publication of proposed changes gives 60 days notice before a vote on the changes at the Annual Meeting, in Williamsburg, VA in June 2003. If you are unable to attend the meeting in June you may vote for or against the changes by email to our Secretary, Jeff Shields (jeff@vims.edu).

In the sections of the Constitution and Bylaws reproduced below, proposed deletions are struck through, and additions underlined.

Article 2: Purpose

~~The purpose of this Society shall be to advance the study of all aspects of the biology of crustaceans and to enhance exchange of information among persons interested in carcinology.~~

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.

Article 3: Membership

Section 4: Suspension and Reinstatement. Members whose dues have not been paid within six (6) months of their renewal date shall not be held in good standing and shall lose their rights of membership. Members not in good standing may be reinstated upon application and payment of current dues ~~(subject to approval by the Board).~~

Article 5: Officers

Section 3: Election of Officers. An election for the offices of Society President-Elect and Society Program Officer shall be held in the ~~fall~~ last three months of odd numbered years. Elections for the offices of Society Treasurer and Society Secretary shall be held in the ~~fall~~ last three months of even numbered years. Elections shall be by means of a mail postal or e-mail ballot enclosed published with the newsletter and mailed made available to the membership at least sixty (60) days before the election is concluded and ballots are counted. The closing date for return of ballots to the officer in charge shall be on or about November 1.

Section 4: Vacancies In Elected Offices. In the event of a vacancy in the office of Past-President the office shall remain unfilled until the then President's term expires. During this vacancy, all duties incumbent on the Past-President shall

become additional duties of the President-Elect. In the event of a vacancy in the office of the President, the President-Elect shall succeed to the office for the remainder of the departing President's term, after which he or she shall serve his or her regular term as President. A new President-Elect shall be chosen by special election within ninety (90) days of the date the President-Elect succeeds to the President's office. In the event of a vacancy in the office of President-Elect, the President shall solicit nominations and oversee a special election for a new President-Elect. The election shall take place within 90 days of the vacancy and the result will take immediate effect. In the event of a vacancy occurring in the last quarter of the second year of the President-Elect's term of office the position shall remain vacant until elections are held. Other vacancies in offices, if they arise, shall be filled by a presidential appointee, approved by the Board, until the next regularly scheduled election for that office. ~~In the event the President's and President-Elect's offices are vacant simultaneously~~ In the event of simultaneous vacancies in the offices of the President and President-Elect, the Board of Governors will elect a Chairperson from its ranks, and this Chairperson and the remaining Board Members shall assume responsibility of the Society and may delegate authority until special elections can be held.

Article 6: Board of Governors

Section 6: Removal from a Governorship. Procedures for removal of an elected Regional Governor from a governorship shall be the same as specified for removal of officers in Article 5, Section 5. The resultant vacancy shall be filled as specified in Article 6, Section ~~4~~ 5.

Article 7: Meetings

Section 1: Board of Governors. The Board shall meet at least once a year prior to the annual meeting. The President may call additional meetings if conditions arise to warrant such meetings. ~~A quorum of the Board membership shall be represented by half (1/2) or more of the total number of Board Members. Actions and approvals by the Board, except where otherwise specified in the Constitution or Bylaws, shall require a two-thirds (2/3) majority of the assembled quorum at a Board meeting or a two-thirds (2/3) majority of the entire Board in a mail poll of the Board membership. Actions and approvals by the Board, except where otherwise specified in the Constitution or Bylaws, shall require a two-thirds (2/3) majority of the entire Board in a poll of the Board membership. Actions of the Board may be amended at any annual meeting of the Society by a two-thirds (2/3) majority of the voting members present.~~ Actions of the Board may be amended at any annual meeting of the Society by a two-thirds (2/3) majority of the voting members present.

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Article 11: Distribution on Dissolution

Upon the dissolution of the Society by a vote of two-thirds (2/3) of the voting members, the Board shall ...

THE CRUSTACEAN SOCIETY BYLAWS

Bylaw 4: Duties of officers

B. President. The President shall call and preside at meetings of the Society and the Board, represent the Society's interests in external business affairs, and perform such other functions as may be defined in the Constitution and Bylaws. Should the office of President-Elect become vacant, the President shall temporarily assume all duties of the President-Elect until ~~a special~~ an election can be conducted. The President shall succeed to the office of Immediate Past-President upon the expiration of the President's term.

Bylaw 7: Committees

~~C. Awards Committee. An Awards Committee of at least five (5) members of the Society shall be appointed by the Society President to annually evaluate and nominate published papers and oral presentations for special recognition by the Society, and to periodically nominate a distinguished crustacean biologist to be recognized for a lifetime contribution to the field. Nominations by the committee, and the substance of all awards to be presented, shall be reported to the Board and shall require approval by the Board before recipients of awards are publicly announced and before awards are granted. An Awards Committee of the Program Secretary and four (4) other members of the Society shall be appointed by the Society President to evaluate student presentations for special recognition by the Society, and to periodically nominate a distinguished crustacean biologist to be recognized for a lifetime contribution to the field. Nominations by the committee or its nominees, and the substance of all awards to be presented, shall be reported to the Board within two (2) weeks of an award being made and published in the next issues of the Society newsletter and journal.~~

These extracts are from the Constitution and Bylaws of 1981, as amended by the Board of Governors on 29 December 1984, 27 December 1991, and December 1995

Published in the *Journal of Crustacean Biology* 1(2): 293–297, 1981; revised version published in *Ecdysiast* 5(2), August 1986; changes published in *JCB* 12(2): 331, May 1992; and changes published in *Ecdysiast* 15(1), May 1996.

Gary C. B. Poore, President, 6 March 2003

The Denton Belk Memorial Fund

The Crustacean Society would like to remind our readers 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 Dr 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!

Please note that you do not need to become a member of TCS to make a donation!

Personal checks (in U.S. Dollars) may be made out to "TCS – The Denton Belk Fund". 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 send contributions 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) phone (210-224-7743) or fax (210-222-0360).

Recent Conferences, Meetings and Workshops

Copepod Conference, Taiwan

In July 2002 the World Association of Copepodologists held its eighth international conference at the National Taiwan Ocean University in Keelung, Taiwan. The local organising committee, chaired by Prof. Jiang-shiou Hwang, had done a splendid job organizing the meeting and anticipating every need of the participants. They even had a four meter-long, helium-filled copepod tethered 300 feet above the campus of the NTOU. Complete with paired egg sacs this eye-catching bright-yellow copepod served as a beacon, guiding participants back to the campus and attracting considerable media coverage. The scientific proceedings of the conference are currently passing through the editing process and announcements concerning their publication will be posted on the website of the World Association of Copepodologists (<http://www.copepoda.uconn.edu>)

The week before the conference the WAC held a week-long training course in Copepod Biology and Systematics. There were over 70 applications for the course, but due to limitations of space and microscope availability only 33 students could be selected for the course which was held at the National Museum for Marine Biology and Aquarium at Kenting in southern Taiwan. Again the facilities were splendid and the local hosts (in particular, Dr Wen-been Chang) were amazingly well organized and generous. The 33 students came from many countries, including the Philippines, Taiwan, Korea, Hong Kong, Tunisia, Kenya, Japan, Australia, USA, UK, South Africa and Iran. The course was an intense learning experience for tutors and students alike, and the practical sessions which were based on the students' personal research material were always challenging. We never knew what was coming next!

Geoff Boxshall, Natural History Museum, London.

Crustacean Meetings, Greece

September 2002 saw two important meetings to the carcinological community occur within the borders of Greece in the beautiful Mediterranean Sea. The first was the 8th meeting of the Colloquium Crustacea Decapoda Mediterranea (8th CCDM) on the Island of Corfu and the second was the Sixth International Congress for Systematic and Evolutionary Biology (ICSEB VI) in Patras.

8th meeting of the Colloquium Crustacea Decapoda Mediterranea (8th CCDM)

The 8th CCDM was ably organized by the National and Kapodistrian University of Athens at the Ionian University in the Municipality of Corfu, the largest of the Ionian Islands, between September 2 – 6, 2002. The venue was the historic Ionian Academy building centrally located in downtown Corfu Town. The views from the venue windows and balcony overlooked the harbor, the blue Mediterranean Sea, and the famous old Venetian Fortress. This stunning vista and the neighboring attractions of the lively town could not distract participants though from the equally exciting presentations going on inside, each day of the meeting.

With less than 100 active participants it was a cosy gathering, with no parallel sessions and a single location over the 5 days. This size, organization, and venue facilitated much energetic discussion between most of those present, with the coffee breaks being the main nucleus (as usual). The meeting presented 64 oral presentations and 78 posters on systematics, phylogeny, genetics, ethology, morphology, biogeography, reproduction, fisheries, ecology, and physiology of decapod crabs, including a special session on deep-sea shrimp and a round table discussion of a cooperative proposal for sharing information of decapod crustaceans. Although, as the title suggests, this meeting is on Mediterranean decapod research, carcinologists of all inclinations and nationalities are encouraged to attend. This makes for a varied scientific programme, and in fact, researchers from 27 countries attended, with two thirds of these not bordering the Mediterranean Sea. Every continent was represented with the exception of Antarctica (as one would expect).

The legendary hospitality of our Greek hosts (and local Corfiots) was deeply appreciated by all attendees and the associated social events (receptions and tours) were well planned and memorable. The Organizing Committee, Scientific Committee, and Secretariat of the 8th CCDM should all be lauded for executing a fine meeting of minds on decapod/crustacean issues. We all await the 9th CCDM and the chance to repeat the event in another beautiful and interesting Mediterranean location. I urge all interested decapodologists and carcinologists to participate in this scientific opportunity, which is rapidly gaining an international flavor.

For a look at the full programme of topics and speakers consult the website for the meeting which is still available at <http://www.biology.uoa.gr/ccdm>.

continued...



Sixth International Congress for Systematic and Evolutionary Biology (ICSEB VI)

ICSEB VI was held at Patras University, Patras, Greece, from September 9th through 16th, 2002. The meeting was subtitled “Biodiversity in the Information Age” and was organized under the auspices of the International Organization for Systematic and Evolutionary Biology (IOSEB). It was a large, truly international meeting with hundreds of attendees and 29 independent symposia (also a round table discussion and a workshop) covering a broad range of topics in systematics and evolutionary biology (see the website www.icseb-vi.biology.upatras.gr for the full scientific programme). These topics ranged from morphometrics, phylogenetics, phylogenetic nomenclature and theory, to global biodiversity and conservation, as well as symposia devoted to particular taxa including butterflies, arctic and alpine plants, land snails, and crustaceans. It is this latter symposium that I wish to concentrate on since I was the coordinator and primary chairperson.

The crustacean symposium entitled “Patterns and Processes in Crustacean Evolution” was one of the largest at the meeting in terms of participating scientists, with 15 presenters from 8 countries coming to share their latest work, in three sessions on separate days. Audience attendance was great (~130 total) considering the stiff competition from sometimes up to 5 parallel sessions. The range of crustacean topics and taxa covered by the symposium was impressive with presented papers and two posters discussing phylogenetics (morphological & molecular), environmental impacts on morphology, segmentation, morphometrics, neurobiology, and behavior in groups such as branchiopods, euphausiids, barnacles, stomatopods, mysids, thalassinids, and brachyurans.

The opportunity for all of us carcinologists to invade an international evolution meeting was fantastic and some invaluable discussion, interchange of ideas, and initiation of collaborations ensued.

The crustacean evolution symposium was complimented by an additional crustacean symposium devoted to the Order Stomatopoda, organized and chaired by Marjorie Reaka-Kudla (University of Maryland). Many of our participants and audience were shared, and this focused meeting presented unique insights into the group and stimulated much discussion.

Overall it was a fabulous meeting and IOSEB, the ICSEB organizing Committee, the ICSEB Secretariat, the local support staff and students, and the local people of Patras are heartily thanked for organizing, and successfully executing the scientific programme, the social functions, and the associated tours. We will all be watching carefully for the announcement of the next ICSEB gathering.

Chris Tudge, American University, Washington, DC.

11th Crustaceologist Meeting (Crusttag) Ulm 20-23 February, 2003

The German Crustaceologist meeting has been a tradition for about 20 years. German crustaceologists meet every second year and present papers and posters and discuss topics concerning Crustacea. The meeting is quite informal and young students are especially encouraged to present their work.

The “11th Crustaceologist Meeting (Crusttag) in Ulm” was organised by Prof. Dr. Dieter Waloszek, Dr. Andreas Maas and many helpers from the “Section for Biosystematic Documentation”, University of Ulm, Helmholtzstrasse 20, D-89081 Ulm, Germany.

See <http://www.crustaceologentagung.de/>

Ulm is located close to Munich in the south of Germany and was therefore easily accessible even for people from abroad.

The conference started with an ice-breaker party on the evening of 20th of February in the university, where people had the possibility to put up their posters.

In total 99 scientists registered, but more than 100 people joined the conference including a lot of students. Many presentations were presented by young students or scientists. From the 112 presentations 32 were papers and 80 were posters. Participants were mainly Germans, but six further European countries joined. The Ulm team could also welcome colleagues from Denmark, Hungary, Norway, Austria, Slovakia and Turkey. It was pleasing to see such a representation from countries not usually seen at the crustaceologist conferences in Germany.

The symposium dinner took place in the evening of 21 February in the Casino on the university campus. The past-president of TCS, Jens Høeg, presented the key-note lecture “Cirripede Crustacea: Working in Darwin’s footsteps”, which was well received, prior to dinner.

TCS was thus represented by the past-president, Prof. Dr. Jens Høeg, from Copenhagen, Denmark, 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. Dieter Waloszek mentioned in the beginning that the meeting was cosponsored by TCS and Angelika Brandt welcomed the audience on the behalf of the president, Dr. Gary Poore.

The Crustacean Society awarded prizes to two students, US\$50, plus a certificate signed by the European governor of TCS, Angelika Brandt, as well as a one-year subscription to the Journal of Crustacean Biology. Prizes were given to:

Alexandra Hiller from the Justus Liebig University (poster award): “Übereinstimmung von Farbmerkmalen mit molekularen und larvalen Merkmalen in dem amerikanischen *Petrolistes galathinus*-Artenkomplex” [Investigation of similar colour patterns within the American *Petrolistes*

galathinus-species complex using molecular and larval characters] presented together with Holger Kraus, and

Sebastian Klaus from the University of Heidelberg (paper award) “Die Verbreitungsgeschichte der parathelphusoiden Süßwasserkrabben Afrikas, Madagaskars und Asiens – Abwanderung oder Vikarianz?” [The colonisation history of parathelphusoid freshwater crabs from Africa, Madagascar and Asia – migration or vicariance] presented together with Dirk Brandis.

Congratulations to both of them!

Poster and Paper awards were presented shortly before people left. The group discussed the location for the meeting which will take place in two years. Prof. Pedro Martinez invited all crustaceologists to the German Centre for Marine Biodiversity (DZMB) in Wilhelmshaven in 2005.

The scientific standard of the conference was very good. All papers were presented using Power Point, illustrations were accurate and informative. Dieter Waloszek’s team made everybody feel welcome, comfortable and well looked after, the conference office was open throughout the conference in case of questions or problems.

The 11th Crustaceologist Meeting in Ulm was scientifically rewarding. We thank Prof. Dr. Dieter Waloszek and his team for the great time in Ulm!

Angelika Brandt,
European Governor of TCS



Joint TCS/SICB 2003 Winter Meeting

The joint Winter TCS/SICB Meeting was held 4-8 January, 2002, at the Sheraton Centre in Toronto Canada, providing a warm setting in a chilly climate for old and new TCS members and colleagues to interact intellectually and socially. A TCS business meeting was held and numerous timely issues were discussed (minutes of this meeting will appear in the upcoming Vol. 23(2) of *JCB*).

SICB is a large, interdisciplinary society made up of several divisions and co-sponsoring societies, such as TCS (for a list of SICB Divisions and co-sponsoring societies and membership form, please visit the SICB website at: <http://www.sicb.org>). The meetings are efficiently organized with numerous symposia, contributed paper sessions, and socials,

and they provide a unique opportunity for carcinologists to interact with colleagues from diverse fields, as well as with colleagues studying similar processes using different study organisms. It is a particularly good meeting for students to attend because its size and diversity provide numerous opportunities to hear cutting-edge research and to establish contacts. There is always a student social and at least one workshop geared toward graduate students and post-docs. The meeting is also attended by numerous vendors, with texts and products on display of particular interest to scientific educators.

The meeting opened with an informative talk by Martin Feder, SICB Past President, entitled “Days of Miracle and Wonder: The Future of Integrative and Comparative Biology.” There were 16 symposia and numerous crustacean-related talks (out of a total of 518 oral presentations) and posters (out of a total of 278). Because of the diverse nature of SICB, these talks and posters covered a spectacular array of topics, including ecology, animal behavior, physiology, evo-devo, and morphology, to name a few. Of particular interest was the special evening presentation of “Crustaceans in Art” presented by Guy Charmantier.

The Crustacean Society (TCS) also sponsored a **Best Student Paper and Poster Competition**. For Best Student Paper (oral presentation), the award was presented to **Mary Jo Hartman** (University of South Carolina, Columbia) for her talk entitled, “Native predators and the success of a newcomer, *Petrolisthes armatus*, the green porcelain crab, to an oyster reef ecosystem in North Islet, SC” (co-authors S.E. Stancyk and A.M. Lohrer). The Best Student Poster Award was presented to **Tuhin Giri** (Texas A&M University) for his poster entitled, “The occurrence of epibiota on the peppermint shrimp *Lysmata wurdemanni* and the effect of salinity changes on grooming behavior.” An Honorable Mention was presented to undergraduate **C.A. Tanner** (The College of New Jersey) for his poster entitled, “The effect of osmotic conditions on methyl farnesoate levels in the green crab *Carcinus maenus*” (co-authors T.M. Ricart, D.W. Borst and D.L. Lovett). The awards consist of a certificate, a US\$50 cash award, and a one-year subscription to *The Journal of Crustacean Biology*. The Honorable Mention received a certificate and a \$25.00 cash award. TCS thanks those members who served as judges. It was especially encouraging to see a number of undergraduates presenting their research findings...kudos to our members who are providing the “next generation” of carcinologists with valuable experiences!

The next joint SICB/TCS meeting will be held 4-8 Jan., 2004, in “festive” New Orleans. Hope to see you there!

Trisha Spears,
President-Elect, TCS.



Spotlight on Japanese journals with Crustacean content

In Japan, there are several journals that publish Crustacean research. All of these journals welcome you to submit articles.

Crustacean Research

Crustacean Research is published by the Carcinological Society of Japan. It contains original or review papers dealing with any aspect of the biology of crustaceans. For Society members, the cost for eight printed pages is paid by the Society, and any additional pages must be financed by the authors (s). Authors other than the Society members must pay full page charges. Submit original and two copies including tables, figures, etc. to the editor, Dr. Keiji Wada, Department of Biological Science, Faculty of Science, Nara Women's University, Nara 630-8506, Japan (Phone and Fax: +81-742-20-3415; e-mail: mbanzai@cc.nara-wu.ac.jp).

Benthos Research

Benthos Research is published by the Japanese Association of Benthology. The journal publishes original and review papers dealing with any aspects of the biology and paleobiology of benthic organisms. Papers should be written in English. All papers accepted become copyright of the Association. The contributor must be a member of the Japanese Association of Benthology unless a paper has been solicited. Non-members may be co-authors. Editorial office: Dr. Hiroaki Tsutsumi, Kumamoto Prefectural University, 3-1-100 Tsukide, Kumamoto City, Kumamoto Pref. 862, Japan (Phone: +81-96-383-2929, Fax: +81-96-384-6765, e-mail: hiro@pu-kumamoto.ac.jp). For more details see <http://wwwsoc.nii.ac.jp/jab/index-e.htm>

Species Diversity

International Journal for Taxonomy, Systematics, Speciation, Biogeography, and Life History Research of Animals. See <http://wwwsoc.nii.ac.jp/jssz2/>

Species Diversity is published by the Japanese Society of Systematic Zoology; it is the English-language successor of the *Proceedings of the Japanese Society of Systematic Zoology* and complements the latter's Japanese-language continuation, *Taxa*. The purpose of *Species Diversity* is to facilitate the international exchange of information about animal species diversity by publishing papers dealing with all aspects of taxonomy, systematics, speciation, biogeography, and life history research. Manuscripts for publication should be sent to the Editor-in-Chief: Dr. Masaaki Tomokuni, Department of Zoology, National Science Museum, 3-23-1 Hyakunincho, Shinjuku-ku, Tokyo, 169-0073 Japan (Fax: 81-3-3364-7104; e-mail: tomokuni@kahaku.go.jp).

Journal of Ethology

The relaunched *Journal of Ethology*, now published by Springer-Verlag in association with the Japan Ethological Society, features reviews and original papers relating to all aspects of animal behavior, including traditional ethology. Papers on field, laboratory, or theoretical studies are

welcomed. In contrast to many other ethological journals that prefer studies testing explicit hypotheses, the *Journal of Ethology* is interested both in purely descriptive studies with broad implications and in quantitative studies. All manuscripts for publication should be sent to the Associate Editor: Yukio Yasui, Faculty of Agriculture, Kagawa University, 2393, Ikenobe, Miki-cho, Kita-gun, Kagawa 761-0795, Japan (e-mail: aaa32330@pop06.odn.ne.jp). For more details see http://wwwsoc.nii.ac.jp/jes2/JE_J.html

Ecological Research

Ecological Research has been published in English by the Ecological Society of Japan since 1986, in order to promote internationally the results of research in ecology. The Journal publishes peer-reviewed, original research papers, critical reviews, technical reports, and notes and comments covering all aspects of ecology. Manuscripts are judged on the basis of their contribution of original data and ideas or interpretation. All articles are peer-reviewed by at least two researchers expert in the field of the submitted paper. Manuscripts and editorial correspondence should be addressed to: Dr. Seigo Higashi, *Ecological Research*, c/o Graduate School of Environmental Earth Science, Hokkaido University, Sapporo 060-0810, Japan (Fax: +81 -11-706-4864; e-mail: ecores@ees.hokudai.ac.jp). For more details see <http://wwwsoc.nii.ac.jp/esj/index-e.html>

Plankton Biology and Ecology

Plankton Biology and Ecology, the official journal of the Plankton Society of Japan, publishes full-length papers, reviews and notes dealing with any aspect of the biology and ecology of marine and freshwater plankton and their interactions with the environment in any aquatic system, and is open to all scientists around the world. Manuscripts (original and two photocopies) should be submitted directly to the Editor-in-Chief, Dr. Ichiro Imai, Associate Professor, Laboratory of Marine Environmental Microbiology Division of Applied Biosciences, Graduate School of Agriculture Kyoto University, Kyoto 606-8502, Japan (FAX: +81-75-753-6375; e-mail: imai1ro@kais.kyoto-u.ac.jp). For more details see <http://www.plankton.jp/PBE/index.html>

Limnology

Limnology is a scientific journal published three times a year, in April, August, and December, by Springer-Verlag in association with the Japanese Society of Limnology. The aims and scope of *Limnology* are to publish scientific and/or technical papers in limnology, to serve as a platform for information dissemination among scientists and practitioners, to enhance the standing of limnology in Japan, to foreign international links, and to contribute to the development of limnology in Asia and Oceania. The editors welcome original scientific contributions on physical, chemical, biological, or related research, including environmental issues, on any aspect of theoretical or applied limnology. Editor: Toshi Nagata,

Center for Ecological Research, Kyoto University, Kamitanakami Hirano-cho 509-3, Otsu 520-2113, Japan" (Phone: +81-77-549-8200; Fax: +81-77-549-8201; e-mail nagata@ecology.kyoto-u.ac.jp). For more details see <http://wwwsoc.nii.ac.jp/jslim/index-e.htm>

Biogeography

International Journal of Biogeography, Phylogeny, Taxonomy, Ecology, Philosophy, Evolution, Biodiversity, and Environmental Biology.

A journal of the Biogeographical Society of Japan, *Biogeography* is published once or more a year. Opinions, reviews, articles, and short communications dealing with biogeographic, phylogenetic, taxonomic, ecological, philosophical, evolutionary, and environmental aspects, etc. of creatures are considered for publishing. Contribution to the journal is open exclusively to the members of the Society. A non-member can contribute only as a co-author (and not the first author). All contributed papers are reviewed by at least two referees. Applications for manuscripts and any inquiries should be addressed to: Hiroshi Yoshimoto, 27-3, Shibakubo 3-chome, Nishi-Tokyo, Tokyo, 188-0014 Japan (Fax: +81-424-62-6650, e-mail: VEM11651@nifty.ne.jp).

The Biogeographical Society of Japan is welcome to anyone interested in biogeographic, phylogenetic, taxonomic, ecologic, philosophical, evolutionary, and environmental biology. Address of the office: c/o Sadaharu Morinaka, 11-20 Totsukahasami-cho, Kawaguchi, Saitama 333-0805, Japan (Phone & Fax: +81-48-295-4574).

Akira Asakura,
Asian Governor of TCS.

The author wishes to thank Drs. Keiji Wada, Hiroaki Tsutsumi, Masaaki Tomokuni, Hiroshi Yoshimoto, Kazuki Tsuji, Seigo Higashi, Ichiro Imai, and Toshi Nagata for allowing him to introduce their respective journals.

To keep the 'Spotlight on...' section a regular part of the Ecdysiast, please send information on Crustacean societies, workgroups, journals and research to the Editor of the Ecdysiast, Rachael King, at rachaelking@crustacea.net



CRUST-SOC, the Crustacean Society's Listserver

The TCS Board has recently set up a listserv that is only open to members of the Crustacean Society. The sole function of this listserv is to provide you with timely official society business and important society announcements. CRUST-SOC is not meant to be a forum for discussion. CRUST-SOC is moderated and closed meaning that it won't forward junk mail nor will it be open to the public. It is not meant to replace CRUST-L because the latter is open to nonmembers and is for broader discussion on Crustacea. For suggestions, contact me, jeff@vims.edu, your TCS Secretary, or any member of the board (listed at our website <http://www.vims.edu/tcs>).

You can subscribe to CRUST-SOC by becoming a member of the society. Members who aren't subscribed can send SUBSCRIBE CRUST-SOC YOUR NAME (not your email address) as the message body to LISTPROC@VIMS.EDU. You can unsubscribe by sending UNSUBSCRIBE CRUST-SOC to LISTPROC@VIMS.EDU. We are still in the process of putting CRUST-SOC in place, so in the mean time please bear with us. Remember, CRUST-SOC is the official email listserv for society information.

CRUST-L, the Discussion List for Crustacea CRUST-L@VIMS.EDU is the email listserv for those interested in Crustacea. It is an informal scientific forum for discussion on all aspect of the Crustacea. CRUST-L is a moderated, open list. For CRUST-L, use LISTPROC@VIMS.EDU to post administrative commands such as SUBSCRIBE, INFO, HELP. You can subscribe to the list by sending SUBSCRIBE CRUST-L YOUR NAME (not your email address) as the message body to LISTPROC@VIMS.EDU. You can unsubscribe by sending UNSUBSCRIBE CRUST-L to LISTPROC@VIMS.EDU. These commands should be sent to LISTPROC@VIMS.EDU not to CRUST-L. The listproc software includes several features such as searchable archives, and a digest mode for intermittent mailings.



Upcoming Conferences, Meetings and Workshops

The Crustacean Society's Annual Meeting

Williamsburg, VA, USA

June 1-5, 2003

Registration is now open and abstracts are due April 1, 2003. Foreign participants are advised to apply for travel visas at least 30-60 days in advance. See <http://www.vims.edu/tcs/tcs2003.htm> for updates, registration and abstract submission. If more information is required, contact the organizers at tcs2003@vims.edu.

Several symposia are planned: 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, Crayfish Biology, and the Biology and Ecology of Lobsters. Several general sessions are also planned.

If you are interested in participating in a symposium, please contact the symposium organizer at the web site.

38th European Marine Biology Symposium,

Aviero, Portugal

September 8-12, 2003

The 38th EMBS will be convened under the theme Marine Biodiversity. Participants are invited to submit oral and poster presentations under four sub themes:

Patterns and processes (eg from genome to ecosystem level, local to global scales, 'hot spots' and unique environments, genetic erosion, the role of natural disturbance, habitat heterogeneity and biotic interactions in generating or maintaining biodiversity).

Assessment (techniques: eg mapping, imagery, remote sensing; evaluation tools: eg new indices, biological and structural indicators)

Threats (eg pollution, eutrophication, habitat fragmentation, introduced species, other sources of disturbance)

Management and conservation (eg MPAs, habitat restoration, ecosystem management)

See <http://www.bio.ua.pt/embs38/> for more details.

The Second International Course on the Ecology and Taxonomy of Peracarids

September 8-19, 2003

In response to the demand from the marine science community and the success of the First Workshop on the Ecology and Taxonomy of Peracarids (September 23 October 6, 2002; Universidad Católica del Norte, Coquimbo, Chile), we have decided to repeat the workshop during the coming year. The workshop will be held September 8-19, 2003. As in the first workshop, the instructors will be Drs. Exequiel R. González (UCN), Richard Heard (University of Southern Mississippi,

U.S.A.), Martin Thiel (UCN), and Les Watling (University of Maine, U.S.A.).

For additional information, please visit 'the workshop webpage': <http://herradura.ucn.cl/peracarida/> or contact Exequiel R. González (egonzale@ucn.cl).

Registration will begin March 1, 2003.

Carcinological Society of Japan

November 22-23, 2003

The Annual meeting of the Carcinological Society of Japan is planned for 22 and 23 November, 2003 at the University of the Ryukyus. Two symposia are planned; *Portunid Crab Biology and Aquaculture* and *Potamid Crab Biology and Geological History*. General sessions for contributed papers in all areas of crustacean research are also planned. Scientists from all areas of crustacean biology are welcomed to participate. For further information, please contact the chairperson; Prof. Shigemitsu Shokita, Faculty of Science, University of the Ryukyus, Senbaru, Nishihara-cho, Nakagami-gun, Okinawa, 903-0129 JAPAN. [E-mail: shokita@sci.u-ryukyu.ac.jp].

SICB Meeting

New Orleans, USA

January 4-7, 2004

The Society of Integrative and Comparative Biology (SICB) and The Crustacean Society Winter Meeting will be held at the Marriot in New Orleans, Louisiana, January 4-8, 2004. The Crustacean Society is a co-sponsor of this meeting and TCS members are entitled to a reduced registration fee. TCS members are encouraged to submit abstracts in the hope that one or more Crustacean Society Sessions may be organized.

With the Divisions of Comparative Endocrinology and Invertebrate Zoology, TCS will co-sponsor a one and a half day symposium on "**EcoPhysiology and Conservation: The Contribution of Endocrinology and Immunology.**" This important symposium will be organized by Rob Stevenson (UMass, Boston) and Shea Tuberty (Appalachian State Univ). It will be a rather unique symposium that integrates the perspectives of environmental/stress physiology with reproductive failure, population extinctions and habitat degradation. Speakers will attempt to bring endocrine physiology of vertebrates and invertebrates into the discussion of species distribution, environmental contamination, and conservation issues.

Two sections of this symposium (consisting of two half day sessions) will be entirely about invertebrate models of endocrine disruption, 13 of which will be crustacean models. see <http://www.sicb.org> for more details.

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

See <http://www.cdesign.com.au/lobster2004/> for more details.

**6th International Symposium on the Biology of
Terrestrial Isopods**

The next Symposium on the Biology of Terrestrial Isopods (Oniscidea) is going to take place in Aveiro, Portugal in July 12-15, 2004.

This is the first call for the Symposium and we would like to get an indication of your intention to participate.

Let's make the next symposium a meeting to share our knowledge and good experiences with these friendly invertebrates.

The registration fee will cover full participation in the congress (including some social events) and the book of abstracts.

All participants should submit the preliminary form attached and send it to the secretariat **before 31st July 2003**.

All participants presenting a poster or an oral communication should submit their abstracts before **30th November 2003**.

See the following website for more information:
<http://www.bio.ua.pt/>

**Call for Symposia for the 2005 Winter TCS Meeting
(with SICB)**

San Diego, California, USA

Plans are underway for the Society of Integrative and Comparative Biology (SICB) Meeting in San Diego, January 4-8, 2005. The Crustacean Society has long been a co-sponsor of this meeting, and we encourage you to submit ideas for a TCS symposium that you might be interested in organizing to Trisha Spears by **May 15th, 2003**. The amount of funding cannot be promised at this stage, so initial plans should be made regardless of funding. Your initial submission should include the symposium topic, a list of potential speakers, and suggested co-sponsoring societies (if any). Symposia may be sponsored jointly by TCS and another co-sponsoring Society or Division of SICB (for a list of SICB Divisions and co-sponsoring societies, please visit the SICB website at: <http://www.sicb.org>). If your idea is approved by the TCS Board, then you may submit a formal proposal for your symposium to SICB by the **August 15th, 2003** deadline. The SICB proposal form and general considerations for planning a symposium can be seen at: <http://www.sicb.org/meetings/2005/index.php3>

Associated socials, contributed paper or poster sessions may be scheduled as part of the symposium session sponsored by the symposium organizers. There is also an opportunity for symposium papers to be published together in "*Integrative and Comparative Biology*" (formerly called *American Zoologist*), a peer-reviewed volume, pending approval by the Editor.

continued...

If your idea is approved by SICB, then both TCS and SICB will work with you to organize your symposium.

Again, please submit your symposium topic to Trisha Spears by **May 15th**.

***Board of The Crustacean Society
Call for Nominations for Vacancies
(2004-2005)***

Nominations are now being called for the following positions on the Board of The Crustacean Society for the period 2004-2005:

**President-Elect
Program Officer
Asian Governor
Latin American Governor**

We encourage members to consider involving themselves as officers and gaining the rewarding experience of serving TCS!

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.

The President-Elect serves for two years before assuming the role of President, who presides over meetings and represents the Society's interests in external affairs. The President-Elect also supervises and conducts elections. The Program Officer is responsible for arranging and/or coordinating all symposia, workshops, and student awards. Regional Governors serve to represent the best interests of the membership, attend regional meetings, publicize the Society and recruit members, and assist the Program Officer by coordinating international meetings in crustacean biology.

Members of TCS may nominate themselves or another member, who will subsequently be contacted to agree in writing to the nomination. Nominations should include a name, position, institution, e-mail and postal addresses, plus a 200-word curriculum vitae (please see past November issues of *The Ecdysiast* for examples, available on line at <http://www.vims.edu/tcs>), and be mailed to Dr. Trisha Spears, TCS President-Elect, Department of Biological Sciences, Florida State University, Tallahassee, FL 32306-1100, U.S.A. E-mail submissions (spears@bio.fsu.edu) are also welcome.

Ballots will appear in the November 2003 issue of *The Ecdysiast* and voting will close 31 December, 2003.



Recent publications

Zoological Catalogue of Australia Volume 19.2A

Crustacea: Malacostraca: Syncarida, Peracarida: Isopoda, Tanaidacea, Mictacea, Thermosbaenacea, Spelaeogriphacea
- **GCB Poore, Museum Victoria**

Volume 19.2A presents valuable nomenclatural and biological facts on the syncarids, isopods, tanaidaceans and other minor peracarid orders of Crustacea known from Australia. It offers full taxonomic information for 89 families, 351 genera and 1076 described species, with the original literature as well as museum data on the type specimens. Each family introduction is accompanied by a line drawing of a representative species.

The volume gives ready access to distributional details for all species known to occur in the Australian fauna, both inside and outside Australian waters, along with a short summary of known ecological data where possible. All taxonomic groups down to families and subfamilies are fully diagnosed and the latest literature discussing their status is reviewed and summarised. Additionally, there are references to key works that can help identify the fauna at all taxonomic levels.

Among the highly varied isopod and tanaidacean Crustacea dealt with in this volume are the terrestrial slaters, woodlice, pill bugs, sealice and sea centipedes as well as a host of small sand-dwelling creatures of diverse morphologies. Other peracarids include the rare Mictacea, confined to the deep sea in Australia, and Spelaeogriphacea and Thermosbaenacea, found only in subterranean freshwaters. The other major group catalogued here are the Syncarida, small freshwater animals that are of particular interest in Australia where they inhabit lakes, streams and ground waters.

December 2002. CSIRO PUBLISHING/Australian Biological Resources Study 0643069011, 448 pp, illustrated hardback, AU\$140.00

Zoological Catalogue of Australia Volume 19.2B

Crustacea: Malacostraca: Peracarida: Amphipoda, Cumacea, Mysidacea
- **JK Lowry, Australian Museum**

The fourth *Zoological Catalogue of Australia* volume on Malacostracan Crustacea catalogues over 1200 species of amphipods (sea fleas, scuds and the beach and land hoppers), cumaceans and mysidaceans (opossum shrimps). This catalogue brings up-to-date the taxonomy of all known species in the Australian fauna and is particularly important for the cumacean and mysidacean faunas which have not been previously catalogued.

For each species there is information on primary synonymies, status and location of type material, type localities

and general distribution and ecological information. In addition, new diagnoses for all families and subfamilies are provided as well as references to key literature.

These small cryptic crustaceans are common in all marine and some terrestrial habitats. Amphipods are important herbivores on shallow water algae and on the sea bottom they are predators, detritivores and significant scavengers. They contribute to fouling communities on wharves and boat bottoms and are a major part of all sea bottom communities. Hyperiid amphipods are significant micropredators in the plankton. In the terrestrial environment, talitroid amphipods play an important role as detritivores in the supralittoral zone of our beaches and on the floors of our wet forests. Cumaceans are particularly diverse in Australian sea bottom communities and mysidaceans occur in shallow waters around our coasts.

April 2003. CSIRO PUBLISHING/Australian Biological Resources Study 064306902X, 484 pp, illustrated hardback, AU\$140.00

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Biology of the Anomura - Special issue

The January 2003 issue of *Memoirs of Museum Victoria* is a special issue devoted to the **Biology of Anomura**. It contains among other articles, reviews of neurobiology (by DH Paul), terrestrial adaptations (by P Greenaway), taxonomic and ecological papers, and the first-ever key to all the genera of hermit crabs (by PA McLaughlin). In all, 17 papers total 149 pages. The contents page follows.

The issue will be mailed to all libraries that subscribe to the journal and will be published simultaneously for free on the web. The printed issue is also being offered for sale to those interested in hermit crab biology and taxonomy for AU\$60 including postage (approx. US\$36). Prepublication orders are now being accepted at the email and fax addresses on the next page.

Please provide the following information to secure your copy of **Biology of Anomura**:

Name and postal address; Card Type (eg. Visa; MasterCard); name on Credit Card; Credit Card Number; Expiry Date of Credit Card; Number of copies of "Biology of Anomura" @ AUSS\$60; Total cost.

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Memoirs of Museum Victoria
Volume 60, Issue 1, 2003
Special Issue Biology of the Anomura

R. Lemaitre and C.C. Tudge (Editors)
Proceedings of a symposium at the Fifth International Crustacean Congress, Melbourne, Australia, 9-13 July 2001

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***Contributions to the study of East Pacific
Crustaceans***

The first volume is now available and can be obtained from Michel E. Hendrickx for 25 US\$ in Mexico and Latin America, and 35 US\$ elsewhere, plus shipping cost. Shipment will be through regular air mail, book rate, unless the buyer requests special shipment (EXPRESS mail, special delivery service, etc...).

Requests should be sent by e-mail (michel@ola.icmyl.unam.mx) by FAX (addressed to Michel E. HENDRICKX, FAX 669-9-82 61 33) or by mail (Michel E. HENDRICKX, ICML - UNAM, P.O. Box 811 Mazatlan 82000 Sinaloa, Mexico). Please indicate your name, postal address or street address, FAX number, number of copies requested and the type of shipment we should use (regular air mail, DHL, UPS, etc ...).

The first volume content and instructions to authors for the second volume are now available at the following web site: <http://ola.icmyl.unam.mx>



Modern Approaches to the Study of Crustacea

Elva Escobar-Briones and Fernando Alvarez (Editors).

This volume is organized into four sections: physiology, ecology, conservation and biodiversity, and systematics and evolution, with 46 authors from 17 countries contributing. Available from Kluwer Academic Publishers at <http://www.wkap.nl/prod/b/0-306-47366-6>
September 2002, 376pp.
Euro 158.00/ USD 155.00/ GBP 99.50

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Elva Escobar-Briones, Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México

The Crustacean Nervous System

Crustacean Experimental Systems in Neurobiology

Konrad Wiese ed. (2002): Volume I, *The Crustacean Nervous System*. Springer Verlag, Heidelberg, pp. 1-600; Volume II, *Crustacean Experimental Systems in Neurobiology*, Springer Verlag, Heidelberg, pp 1-300.

About 80 prominent neurobiologists from the United States, Japan, Australia, Argentina, Mexico, Brazil, France, Italy and Germany, all working with crustacean preparations in the tradition of pioneer-neurobiologist C.A.G. Wiersma, joined forces to produce these two volumes.

Volume I contains special contributions of original research written by prominent neurobiologists. Each contribution has a standard length of 10 pages with an average of 7 figures and extended referencing. The book represents a collection of examples in which top scientists did their best to review their specific research in response to significant questions in neurobiology. The chapters of the book are (authors in brackets): Peptidergic Modulation of Identified Function (Werner Rathmayer), Hormonal Control (Rainer Keller), Aminergic Modulation of Behavior (Edward Kravitz), Aminergic Modulation at the Cellular and Molecular Level (Ron Harris Warrick), Synaptic Mechanisms (Harold Atwood), Learning and Memory (Hector Maldonado), Olfaction (Barry Ache), Development (Barbara Beltz/Renate Sandeman), Visual Systems (Jon Barnes/ Raymon Glantz), Mechanosensory Systems (Barbara Schmitz), Neural Networks Controlling Vegetative Rhythms (Georg Heinzel), Circuitry Analysis (Brian Mulloney).

Volume II comprises the background texts or introductions written by chapter organizers Barbara Beltz and Edward Kravitz, Harold Atwood, C.K.Govind, Werner Rathmayer, Jon Barnes and Raymon Glantz and Barry Ache. Besides these contributions, the book also contains unique review papers (20-40 pages each) on: Physiology of the Heart Ganglion (Ian Cooke), Crustacean Locomotion (Francois Clarac), Crayfish Escape Behavior: Lessons Learned (Franklin Krasne/Don Edwards), Statocysts and Statocontrol of Motorpathways (Peter Fraser/ Masakazu Takahata), Cellular and Molecular Mechanisms of Amine Modulation (Ron Harris-Warrick/Bruce Johnson), a special chapter on outstanding scientific results with regard to visual systems was contributed by Jochen Zeil /John Layne and by Alberto Ugolini and colleagues. Dorothy Paul and colleagues summarised the "Behavioral Evolution", and finally Bruce Johnson, Robert Wyttenbach and Ron Hoy complete the list of prominent researchers and writers with their article on "Teaching Principles of Neuroscience".

A full-length table of content of the two books can be obtained by e-mail from kwiese@zoologie.uni-hamburg.de.

These two books are absolutely recommendable because the contributors are outstanding scientists of great experience who have managed in their contributions to experimentally address questions of highest significance to all aspects of neuroscience. The books are a MUST for neurobiologists around the globe.

Even though prices are high and students might not be able to buy the books, every large university library should have them. Volume I, *The Crustacean Nervous System* 600 pages, ISBN 3-540-66900-0 costs 199 Euro, approx. 210 US\$, Volume II, *Crustacean Experimental Systems in Neurobiology*, 300 pages, ISBN 3-540-43809-2 costs 129 Euro, approx. 135 US\$ ordering by e-mail: orders@springer.de or orders@springer-ny.com

Konrad Wiese and Angelika Brandt, Hamburg, Germany.

HOST NEEDED FOR 2006

The Board of The Crustacean Society is seeking a host for the Society's 2006 "Summer" Meeting. **This is a great opportunity to show off your program, your town and your institution!**

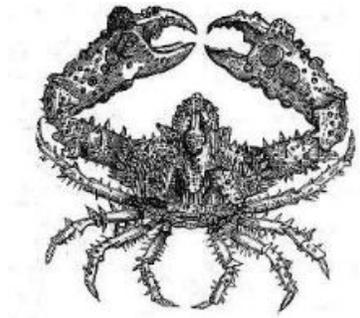
A North American meeting site is preferred because the 2004 meeting will be held in Brazil, and the 2005 meeting will be a part of ICC VI in Scotland. Summer meetings attract roughly 100-200 participants and typically take place in May, June, or July. They extend over five days (day 1: registration and evening reception; days 2-4: oral and poster presentations; day: 5 optional post-meeting excursion and/or field trip). One evening is reserved for a meeting banquet.

The location for the meeting should be relatively accessible to travelers with reasonably priced accommodations within a short distance of the meeting venue. An inexpensive housing option for students would be a bonus, but not absolutely necessary. The meeting venue should accommodate oral and poster sessions, coffee breaks, easy access to lunch and have a sufficient number of meeting rooms for symposia and at least two concurrent sessions if necessary. Meeting rooms should support the standard audio visual aids (including power-point presentations). It would be nice if there were a few points-of-interest in the surrounding area for meeting participants and their families to visit, either on their own or as part of a post-meeting excursion.

It is expected that conferences financially "break even", but the Crustacean Society can provide seed money to help get the program started.

If you're interested in hosting a Summer Meeting, we encourage you to discuss the matter with hosts of previous meetings, TCS officers, and past TCS officers. Please notify Jeff Shields, the current organizer of our 2003 meeting if you have specific questions. Thank you for considering the task!





The Crustacean Society 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're planning some new features including a poll and some more information for grad students. Noteworthy additions include: (1) an official copy of Martin & Davis (2001) *Classification of the Crustacea*; (2) society poster and page for recruitment (great pics!); (3) flier and official info for the upcoming summer meeting in Williamsburg; and of course the classic (4) manuscript tracking page for JCB submissions (updated monthly). This website is designed to serve our society's diverse interests, if you have an idea, item, link, or information of general interest, please forward it to jeff@vims.edu for inclusion in our website.

