

# National Shellfisheries Association

## QUARTERLY NEWSLETTER



WINTER 1998

SOUTHAMPTON, NEW YORK

### President's Message

Well, those NSA members who blinked may well have missed my dynamic presidency ...was it the shortest term on record? Fortunately for all concerned I get to hand over the gavel to President-elect George Abbe at the forthcoming NSA meeting in Las Vegas at the Bally's Hotel in Las Vegas from February 15 to 19, 1998. As always, the NSA President gets to serve as a "barker" for Sandy Shumway's Audacious Auction in Aid of the Student Endowment Fund. I suppose that I scarcely need remind everyone that Sandy is once again looking for scientific memorabilia and all sorts of general bric-a-brac to auction in Las Vegas (special note to Evan Ward...absolutely NONE of your homebrewed wine, please!).

Being President does provide a unique insight into how important a few key individuals are to the successful running of our society. I would especially like to recognize the sterling efforts of Maureen Krause, who will be stepping down as editor of the *NSA Newsletter* after this edition. Thanks to Jay Parsons who is taking on this responsibility. Evan Ward is currently serving for a second year as NSA treasurer. Evan has made a number of significant improvements to the accounting process during his tenure, including getting Nancy Lewis at Wachapreague to serve as the permanent bookkeeper. Between them they have done a truly excellent job, and, aided by some behind the scenes software development by Scott Siddall, the whole NSA membership and accounting system is running smoothly. George Abbe also continues to serve as a one person Budget Audit Committee which provides oversight and advice to the elected treasurer. I actually do not know how long George has served in this capacity but its one of those important but essentially unrecognized activities that keeps the society running. Dan Kreeger is also serving for a second year as Chair of the Students Awards Committee. Dan has brought his usual high level of organization to that task and NSA will again be providing partial support for about 12 students to attend the meetings in Las Vegas. Finally, thanks to Sandy (aka Den-Mother) Shumway who is completing her tenth year as editor of JSR and general NSA organizer. It is the volunteer activities of these and others individuals, far too numerous to mention, that keep NSA functioning. I urge all of our members to become involved in the activities of our society. So please ensure that you return your ballots for the

ongoing election for NSA officers and volunteer to serve on the various standing committees.

Finally, thanks to the efforts of Jay Parsons and Monica Bricelj, the 1999 NSA meeting is going to be April 17 to 22, 1999 in Halifax, Nova Scotia. Start planning your special sessions now (and also make a pile of stuff that you buy in Las Vegas to take to the student auction!) Hope to see you all in Las Vegas.

Roger Newell



Sandy Shumway, with the help of John Scarpa (middle) and Evan Ward (bottom) sells another lovely shellfishy trinket at last year's auction. Don't miss this year's event at Aquaculture '98! Donations of books, publications, clothing, home brews and vintages, and just about ANY shellfish-related item are still being accepted. Please send your contribution to Sandy Shumway (address on back page) or bring them to the meeting. All proceeds benefit the Student Endowment Fund.



## **Student Participation in Aquaculture '98**

Eleven students planning to attend Aquaculture '98 are being assisted with NSA Travel Awards. Award winners are: Washington Cardenas (University of Southwest Louisiana), Kelly Curtis (University of Washington), Carolina Garrido (University of Maine), Candace Gray (University of New Brunswick), Manfred Kittel (University of Washington), Lorelei Levy (Memorial University), Lisa Milke (Salisbury State University), Jacques Oliver (Virginia Institute of Marine Science), David Rudders (Virginia Institute of Marine Science), Catherine Ryan (Memorial University), and Ervin Shumacker (University of Washington). Six judges reviewed travel applications this year: Fu-Lin Chu (Virginia Institute of Marine Science), David Rouse (Auburn University), John Scarpa (Harbor Branch Oceanographic Institute), Aswani Voley (Environmental Protection Agency), and Dan Kreeger (Academy of Natural Sciences).

The total number of students attending and presenting is still uncertain at this writing. Although student participation at Aquaculture '98 is below that for the last two regular NSA meetings in Ft. Walton Beach and in Baltimore, it is stronger than at Aquaculture '95, the last triennial meeting (six students). Hence, the general trend of increasing student involvement in NSA appears to be holding. **Student presentation judges are needed for Aquaculture '98 -- please email Dan Kreeger (kreeger@acnatsci.org) if you can help (or volunteer someone else!).**

Dan Kreeger

### ***Housing and Travel Aquaculture '98***

This year's Conference will be held February 15-19, 1998 at Bally's Las Vegas, in Las Vegas, Nevada. The rates are \$103 per night single / double, plus taxes. In order to register for a room, we recommend that you contact the hotel directly at 1-800 833-3308 (or 1-702-739-4591). Information regarding the hotel's cancellation policies and other matters can be directly obtained from the hotel.

Special airfares have been set up for Aquaculture '98 on Delta Airlines. These include great fares for travel without a Saturday night stay. Contact Flight Coordinators at 1-800-544-3644, Fax: +1-310-581-5620 or Email: [globaltc@gte.net](mailto:globaltc@gte.net) and mention Aquaculture '98.

Allstate Car Rental is offering conference discounts. Call them at 1-800-634-6186 or +1-702-736-6147 for special Aquaculture '98 rental fares.

## **WAS Employment Service at Aquaculture '98**

The NSA will join forces with The World Aquaculture Society Employment Service at Aquaculture '98 in Las Vegas, Nevada. Employers are encouraged to use this service to advertise job openings, review resumes, and interview potential employees while at the meeting. Several different job categories will be listed including: Fish, Shrimp, Mollusks, Graduate Assistantships/Post Docs, Student Internships, Consulting, and Miscellaneous. Assistance will be available at the meeting to answer questions and help employers set up interview schedules.

To have your job announcement included in the employment service at Aquaculture '98, send four copies of each position announcement on your company or institution letterhead to John Ewart at the address listed below. NSA student members and other NSA members seeking employment should send four copies of a **one page** resume summarizing your professional interests and goals, educational background and previous work experience to either James Anderson, who coordinates our NSA job list (address on back page), or give it to John Ewart at the WAS employment desk when you arrive at the meeting.

Those with email and/or web access may also submit their job announcements and resumes electronically to John Ewart <[ewart@udel.edu](mailto:ewart@udel.edu)> for posting at the conference in Las Vegas.

Information on all jobs posted at the conference will be condensed into a post-meeting summary for those unable to attend. The summary will be posted to the WAS Home Page on AquaNIC (<http://ag.ansc.purdue.edu/aquanic>) and the Delaware Aquaculture Resource Center (DARC) Home Page in March, 1998. To receive a copy of the job summary via surface mail, please send a stamped, self addressed envelope to John Ewart at the address below. To receive a copy of the job summary electronically, either download it from the web sites or send an email request to [ewart@udel.edu](mailto:ewart@udel.edu).

Send all comments, questions and suggestions to John W. Ewart, WAS Employment Service, College of Marine Studies, University of Delaware, 700 Pilottown Road, Lewes, DE 19958. Phone: (302)645-4060; Fax: (302)645-4007.

Thanks to WAS for making this service available!

Up-to-the-date Aquaculture '98 conference details can be found at the WAS Home Page. Their URL address is:

<http://ag.ansc.purdue.edu/aquanic/was/was.htm>



## Third International Abalone Symposium

The Third International Abalone Symposium was held at the Asilomar Conference Center on the Monterey Peninsula in October 1997. Three days of scientific papers, a day of workshops and abalone farm tours were attended by abalone researchers, aquaculturists, fishermen, students and fishery biologists from fourteen countries. This symposium continued the tradition of enthusiastic involvement established by the La Paz and Hobart meetings. Over 130 papers and posters were presented on abalone aquaculture, fisheries management, ecology, biotechnology, genetics, nutrition, population biology, ocean ranching, and pathology. A limited number of the book of abstracts are still available from Susan McBride (see address below) for \$15.00. The symposium proceedings will be published as a special issue of the *Journal of Shellfish Research*. Papers are currently in review and we hope to publish the Proceedings by the summer of 1998.

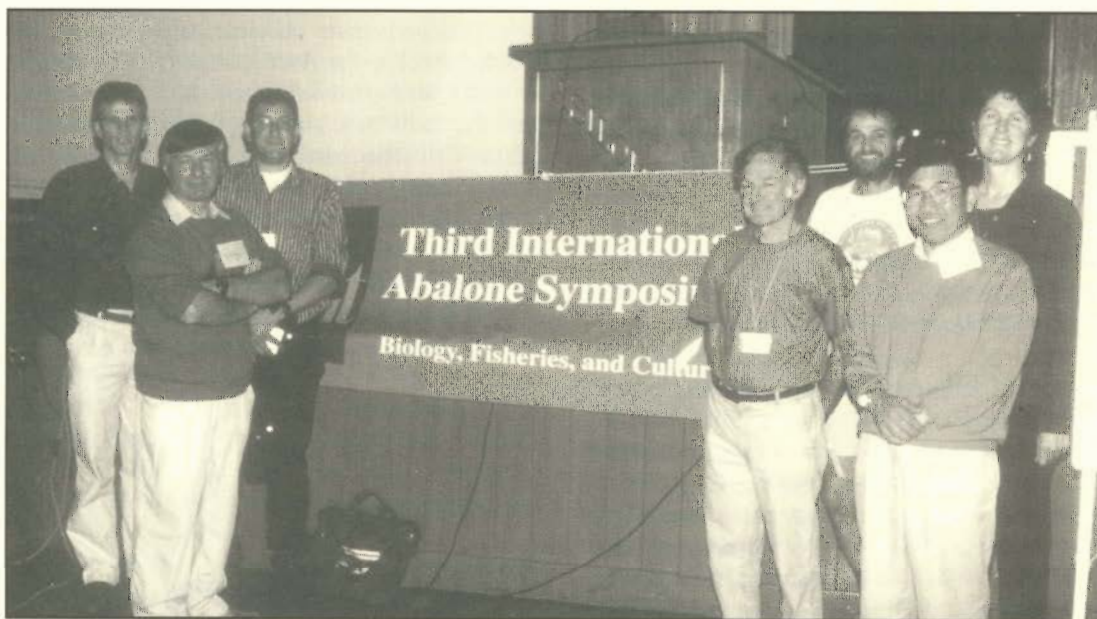
Highlights of the Symposium included the organization of the International Abalone Society. A general meeting was held, symposium participants voted to form the Society, and officers and an executive council were elected. Membership is \$10.00 per year for an individual and \$20.00 per year (US

dollars) for businesses. Functions of the new society are to increase international communication, exchange research material, hold international and regional meetings, manage a bank account, maintain a data base of abalone researchers, aquaculturists, resource managers and enthusiasts, provide communication between industry and researchers, and maintain ABNET. Membership is available by contacting Susan McBride.

At the first meeting of the new Executive Council, honorary life memberships in the Society were made and then awarded by Scoresby Shepherd at the Symposium banquet held at the Monterey Bay Aquarium. They were presented to Martin Ortiz Quintanilla, Katherine Stewart, and David Leighton.

The Fourth International Abalone Symposium will be held in South Africa in the year 2000. Peter Cook is Chair of the Organizing Committee.

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New officers and some members of the executive committee of the newly organized International Abalone Society. Back row, left to right: Rodney Robers (NZ, Exec. Council), Neville Sweijd (RSA, Newsletter Editor), Rob Day (AUS, Secretary), Susan McBride (USA, Treasurer). Front row, left to right: Peter Cook (RSA Exec. Council), Scoresby Shepherd (AUS, President), Tetsuo Seki (Japan, Exec. Council). Not pictured are Sergio Guzman del Proo, (Mexico, Vice President), Kangsten Mai (China, Exec. Council), Juan Illanes (Chile, Exec. Council) and Padermsak Jaraybhand (Thailand, Exec. Council), and Muki Shpigel (Israel, Exec. Council).



## Web News

### **SHELLFISH LISTSERVER UPDATE**

Attention SHELLFISH listserver subscribers:

The Shellfish listserver is being plagued by more and more bad e-mail addresses of late. This almost always happens during the holiday season, but this year, the number of subscribers that have had to be removed from the list has been very high.

How does this happen? If your e-mail address changes in any way, postings from SHELLFISH cannot reach you unless you unsubscribe using your old e-mail address and re-subscribe using your new e-mail address. I don't remove anyone from the list if their server is temporarily down, etc. Addresses are removed only when your local e-mail server reports your e-mail address as "User Unknown." I take this to mean that you are no longer at that institution, or your e-mail address has changed.

If you or someone you know used to receive SHELLFISH postings but no longer does, this may explain why!

#### *To unsubscribe:*

Using the e-mail address under which you are currently subscribed, send to SHELLFISH-REQUEST@KENYON.EDU a mail message containing in the body of the message the single word UNSUBSCRIBE

#### *To resubscribe:*

Using your current e-mail address, send to SHELLFISH-REQUEST@KENYON.EDU a mail message containing in the body of the message the single word SUBSCRIBE.

Thanks!

Scott Siddall  
List moderator

### ***New database of aquatic species***

A new database of cultured aquatic species and producers is now accessible through the Internet at Aquafind.com. It is a searchable database that you may register in to make your product known to a wide range of visitors from the international aquaculture field. New registrants are welcome at the site. The sponsors of the page, Ascot International, are also looking for people who might be interesting in having their articles or papers published on-line at the site's new areas. These new areas are designated for aquaculture research material or articles concerning diseases, production, and any related material relevant to any aquatic species. The address of the page is <http://www.aquafind.com/> and there are no costs to register or to use the database.

James Hensinger  
Ascot International

## Book Review

Harbo, Rick M. 1997. *Shells & Shellfish of the Pacific Northwest*. Harbour Publishing, P.O. Box 219, Madeira Park, BC, V0N 2H0, Canada. 270 pages, illustrated with 350 color photos, bibliography, checklist, glossary of terms, glossary of meanings of scientific names, and index. ISBN 1-55017-146-1, \$24.95 paperback.

The author's goal was to make it easy for persons interested in Pacific Northwest seashore life to identify more than 200 species of shelled molluscs -- and one lonely brachiopod. In general, he has succeeded. Each species has two entries; one, usually illustrated by a color photograph, gives the mollusc's size, geographic range, and habitat; the other, toward the back of the book, repeats most of this information, then provides a brief description of the shell, and sometimes of other features. Most of the species occur intertidally (but some are rare!) and can be identified on the basis of the descriptions and illustrations; for some, however, additional information will be necessary. A case in point is that of clams of the genus *Macoma*, represented in the Northwest by several species. Some of these species are mostly subtidal and also a bit difficult to identify positively from a photograph and a limited description of size and shape.

Commons names are provided for all species, and in most cases these are appropriate. The main exceptions are those that perpetuate obsolete genus names; for example, Robust *Mysella*, for *Rochefortia tumida*, and Violet-band *Mangelia*, for *Kurtziella crebricostata*. Some scientific names may be unfamiliar to biologists who deal with molluscs of the region. This is because the author has informed himself about changes that have been proposed in recent publications. *Ostrea conchaphila*, for instance, is claimed to have priority over the very well known *Ostrea lurida*. We may have to wait a while to see which changes will stick.

This is a pleasing and helpful little book, and will be of use to students, amateur naturalists, and many professionals.

Eugene Kozloff  
Friday Harbor Laboratories





## Upcoming Meetings

**Aquaculture '98:** February 14 - 19, 1998, Las Vegas, Nevada. Triennial meeting of the World Aquaculture Society, the National Shellfisheries Association and the American Fisheries Society Fish Culture Section. Contact 425 485-6682 for meeting information or check for updates at <http://aq.ansc.purdue.edu/aquanic/was/was.htm>

**18th Milford Aquaculture Seminar:** February 23-25, 1998, New Haven, Connecticut. Aquaculturists and researchers interested in finfish and shellfish culture and / or stock enhancement are invited to attend. For more information, please contact Walter Blogoslawski, National Marine Fisheries Service Milford Lab, 212 Rogers Ave., Milford, CT 06460. Phone: (203)783-4235, Fax (203)783-4217, or email [walter.blogoslawski@noaa.gov](mailto:walter.blogoslawski@noaa.gov)

**International Boston Seafood Show:** March 10-12, Boston, Massachusetts. Contact: Diversified Expositions. Phone: (207)842-5504, Fax: (207)842-5505

**27th Benthic Ecology Meeting:** March 12-15, 1998, Melbourne, Florida. Hosted by the Florida Institute of Technology, this meeting will be held at the Holiday Inn Beach Resort. Please check out the web site at <http://www.fit.edu/AcadRes/biology/benthic> or contact Junda Lin at (417)674-7587 or by email at [jlin@fit.edu](mailto:jlin@fit.edu)

**8th International Conference on Zebra Mussels and Aquatic Nuisance Species:** March 15-20, 1998, Sacramento, California. This conference provides the most comprehensive forum for the review of accumulated knowledge, field research, technological development, legislation, education and outreach programs related to aquatic nuisance species. For details contact Jodi Cassel, Univ. of California Sea Grant Program Cooperative Extension at (415)871-7559, Paul Oliin at (707)517-2621, or visit [www.zebraconf.org](http://www.zebraconf.org) on the Web

**Aquaculture International:** March 18-20, 1998, Glasgow, Scotland. Sponsored by Fish Farming International. For information write to Emap Heighway, Meed House, 21 John Street, London WC1N 2BP UK, or call +44 (0) 171 470 6245, email [sueh@meed.emap.co.uk](mailto:sueh@meed.emap.co.uk) or [alisonb@meed.emap.co.uk](mailto:alisonb@meed.emap.co.uk)

**International Symposium: Concepts and Controversies in Tidal Marsh Ecology:** April 5 - 9, 1998, Cumberland College, Vineland, NJ. This symposium will review the status of salt marsh research and revisit the exciting paradigms for salt marsh function. For further details, please see the ad in the fall '97 NSA newsletter and contact Program Chair Dan Kreeger at [kreeger@acnatsci.org](mailto:kreeger@acnatsci.org), Phone: (215) 299-1184, Fax: (215) 299-1079

**Third International Conference on Open Ocean Aquaculture: Joining forces with industry:** May 10-15, 1998, Corpus Christi, Texas. This conference will encourage producers, regulatory agencies, sociologists and legal experts to discuss

various aspects of offshore development as related to open ocean aquaculture. For information visit the Texas Sea Grant Web Site at <http://www.texas-sea-grant.tamu.edu/>

**Aquaculture Canada '98:** May 31-June 3, 1998, Delta Hotel, St. John's, Newfoundland, Canada. 15th Annual Meeting of the Aquaculture Association of Canada. The theme is "Research: An investment in the future". For more information, contact Dr. Jay Parsons at tel. 709-778-0307, email [jparsons@gill.ifmt.nf.ca](mailto:jparsons@gill.ifmt.nf.ca) or visit [www.ifmt.nf.ca/aac](http://www.ifmt.nf.ca/aac)

**Sharing our Gulf - A Challenge for Us All:** June 10-12, 1998, Texas A&M University, College Station, TX. This conference will bring together diverse groups to look at some of the most important and challenging resource use questions facing the Gulf of Mexico. Registration materials can be obtained by writing Texas Sea Grant College, 1716 Briarcrest, Suite 603, Bryan, Texas 77802 or check out the conference link on the Texas Sea Grant Homepage at <http://Texas-Sea-Grant.tamu.edu>

**IIFET TROMSØ:** July 8-11, 1998, Tromsø, Norway. The conference themes are Seafood Trade & Markets, Fisheries Management & Development, Coastal Zone Management & Aquaculture, Methods, and Special Topics. For details, contact IIFET Secretariat, Oregon State University, Dept. of Ag. & Resource Economics, Corvallis, OR 97331-3601, Phone (541) 737-1414, Fax (541) 737-2563, Email [mandigod@ccmail.orst.edu](mailto:mandigod@ccmail.orst.edu) or [Ann.L.Shriver@orst.edu](mailto:Ann.L.Shriver@orst.edu)

**2nd International Conference on Recirculating Aquaculture Systems:** July 16-19, 1998, Hotel Roanoke Conference Center, Roanoke, Virginia. Topics include recirculating aquaculture design, operation and management, business plans, economic analysis, marketing and market development, fish health and disease, food safety and HACCP, quality control, and system engineering and waste management. For information contact Dr. George Libey at Food Science Bldg. #0418, P.O. Box 850, Blacksburg, VA 24063-9959, Phone (540) 231-6805, Fax (540) 231-9293, Email [cfast@vt.edu](mailto:cfast@vt.edu)

**International Association of Astacology:** August 3-9, 1998, Augsburg, Germany. Please contact the IAA web page at <http://www.valdosta.peachnet.edu/vsu/dept/cas/bio/iaa> or email [jhuner@usl.edu](mailto:jhuner@usl.edu). Information is also available from the permanent Secretariat, phone: (318)482-5239, FAX: (318)482-5395, P.O. Box 44650, Univ. of Southwestern Louisiana, Lafayette, LA 70504, USA

**Coastal Zone Canada '98:** August 30 - September 3, 1998, Victoria, British Columbia, Canada. This conference aims to advance the field of Integrated Coastal Management throughout the world. Coastal Zone '98 will create a working forum where a broad cross-section of stakeholders in the coastal zone will not only participate in defining issues, but will also share experiences and collectively identify the range of alternatives to address at the community level. For more information



*Upcoming Meetings continued*

contact (250)721-8470, Email: [czc98@ios.bc.ca](mailto:czc98@ios.bc.ca), or visit <http://www.ios.bc.ca/ios/czc98/>

**Third International Symposium on Aquatic Animal Health:** August 30-September 3, 1998, Renaissance Harborplace Hotel, Baltimore, Maryland. This symposium program will emphasize the multidisciplinary nature of aquatic animal health. You are invited to contribute and share experiences and expertise from around the world. The program includes 10 plenary lectures, 165 oral presentations, and up to 200 posters and promises to be the largest and most diverse gathering ever of aquatic animal health specialists. The symposium will offer a multidisciplinary approach, bringing together individuals with interests in fish, shellfish, sea turtles and marine mammals. **Abstracts are due March 15th.** For general symposium information, see the full registration package enclosed in the Fall '97 NSA newsletter or visit the symposium website at <http://www.soml.ab.umd.edu/AquaticPath/isaahweb>. The symposium organizers, Sarah Poynton and Andrew Kane can be contacted at: Phone: (410)955-3273; Fax: (410) 502-5068, Email [wellfish@welchlink.welch.jhu.edu](mailto:wellfish@welchlink.welch.jhu.edu)

**Aquaculture Europe:** October 7-10, 1998, Bordeaux Convention Centre in Bordeaux Lac, France. Biennial conference, workshop, and exhibition. This will be a global forum for discussing and evaluating the perspectives, achievements and constraints of the management of the aquatic environment, the use of water in fish and shellfish farming, interactions with other water users, and water quality. Summary deadline March 1, 1998. For further details contact BCF-Fax: 011 (33) 556 43 1776, or email the European Aquaculture Society at [eas@unicall.be](mailto:eas@unicall.be)

**2nd International Conference on Shellfish Restoration:** November 18-22, 1998, Hilton Head, South Carolina, USA. ICSR '98 will provide an opportunity for government officials, resource managers, and users to discuss approaches to restore coastal ecosystems through habitat quality assessment and restoration; stock enhancement, management, restoration; and habitat remediation through watershed management. Those interested in participating should request more information by contacting Elaine Knight: e-mail [<knightel@musc.edu>](mailto:<knightel@musc.edu>); voice mail (803) 727-6406; or fax (803)727-2080. If you would like information on submitting an abstract, contact Rick DeVoe: e-mail [<devoemr@musc.edu>](mailto:<devoemr@musc.edu>); phone (803) 727-2078; or fax (803) 727-2080. You may also find updated information on the workshop at <http://www.csc.noaa.gov/SCSeaGrant/text/ICSR.html>.

**2nd International Conference and Supplier Exhibition on Marketing and Shipping Live Aquatic Products:** Seattle Marriot Hotel, Sea-Tac, Seattle, WA. This conference focuses on marketing and transporting aquatic products. For further details contact John B. Peters, Conference Manager by fax at (360)394-3760 or email at [JohnBPeters@coupuserve.com](mailto:JohnBPeters@coupuserve.com), or

call Brian Paust, Univ. of Alaska, Program Manager (907) 772-3381, Email [ffbc@aurora.alaska.edu](mailto:ffbc@aurora.alaska.edu)

**ExpoPesca '98:** December 2-5, 1998, Santiago, Chile. For details, call Sue Hill or Alison Browne, London, UK at +44 (0) 171 470 6340, Fax +44 (0) 171 831 2509, Email [sueh@meed.emap.co.uk](mailto:sueh@meed.emap.co.uk) or [alisonb@meed.emap.co.uk](mailto:alisonb@meed.emap.co.uk)

**Fifth International Congress on Medical and Applied Malacology:** December 27-30, 1998, Chiangmai, Thailand. Please contact Prof. Dr. Suchart Upatham or Prof. Dr. Maleeya Druatrachue, Department of Biology, Faculty of Science, Mahidol University, Rama 6 Road, Bangkok 10400, Thailand. Phone and Fax: 662-2477058, Email [scsut@mucc.mahidol.ac.th](mailto:scsut@mucc.mahidol.ac.th), or access the web at <http://www.mahidol.ac.th>

If you know of meetings or workshops that might be of interest to NSA members, please contact Jay Parsons at [jparsons@gill.ifmt.nf.ca](mailto:jparsons@gill.ifmt.nf.ca), Phone (709)778-0307.

### Preliminary Announcement

#### *Workshop on Marine Aquaculture Technology*

Connecticut Sea Grant and the University of Connecticut Biotechnology Center are planning to sponsor an International Workshop on Marine Aquaculture Technology sometime in early June. The two-day workshop will be held on the University of Connecticut campus in Storrs, or at a nearby facility. The purpose of this announcement is to publicize the workshop theme and structure, and solicit the interest of potential speakers and attendees from the National Sea Grant Network, including the government, academia and industry customers that we serve.

The workshop is an outgrowth of several aquaculture projects undertaken by Connecticut Sea Grant and the Biotechnology Center and will be similar in format to a technical exchange forum on the Aquaculture of Abalone, Sea Urchins, Lobsters and Kelp held in Galway, Ireland in November, 1992. The workshop will focus specifically on the role of biotechnology in support of marine aquaculture, and the feasibility of using shore-based recirculating aquaculture systems to produce high-value, niche-market species (such as abalone and sea urchins). Presentations are being solicited from researchers and practitioners in the United States, Peoples Republic of China, Ireland and elsewhere. A proceedings containing extended abstracts will be published.

If you would like further information, please respond to Nancy Balcom / Pete Tebeau, Connecticut Sea Grant at (860) 405-9107 / 405-9104, or by Email to [sgoadm01@uconnvm.uconn.edu](mailto:sgoadm01@uconnvm.uconn.edu).



### From the Newsletter Editor...

When Karolyn Mueller Hansen and Sandy Shumway approached me about the editorship of the NSA Newsletter during my first semester at Southampton College, I had little idea just what was involved in putting together such a document or how to go about doing it! Luckily, Karolyn handed me an organized operation, a good publishing software program, and lots of helpful hints. It's been a mostly wonderful, sometimes hectic, and very educational experience, but now it's time to pass the editorship into the capable hands of Jay Parsons. We plan to coedit the next newsletter, and I'm looking forward to continuing to work with Jay over the next several years. Most of you probably don't realize that Jay has quietly assisted me with the newsletter editorship over the past three and a half years. He has done a great job of sending me articles, soliciting articles, and has had the thankless task of more than a few last minute rush edits. Thank you for all of your help. Sandy Shumway has also been a constant provider of articles and assistance and a second pair of eyes during final edits, and Steve Tettelbach has jumped in to help stuff and mail the newsletter on more than one occasion. Thanks to you

and the publication committee, particularly Mike Castagna, for all of your assistance and encouragement.

This newsletter has been an excellent vehicle for me to meet many of you in the NSA - I've very much enjoyed my interactions with the membership. I also have a much better understanding of how NSA is run: this organization is driven by the collective energy of many **volunteers**. These volunteers are willing to work on behalf of our Society because they value its benefits: collegiality, a professional journal, a great network of experts in a variety of shellfish-related fields, and fun and informal yet informative annual meetings. I appreciate the time and effort of those of you who have made contributions to the newsletter over the past couple of years, and I encourage all of you to become more involved in YOUR Society by running for office, serving on committees, submitting articles for the newsletter, or even helping with the auction or Student Endowment Fund pin / hat / cookbook sales.

Thanks for the opportunity!

Maureen Krause

All newsletter correspondence should now be sent to Jay Parson at the address listed on the back page.

Recruited by? \_\_\_\_\_

#### ***How to Join the National Shellfisheries Association***

Fill out and mail a copy of the application blank below. The dues are US \$45.00 per year (\$25.00 for students) which may be paid by credit card, check, or money order. Membership entitles you to receive *The Journal of Shellfish Research* and the *Quarterly Newsletter*!

#### **NATIONAL SHELLFISHERIES ASSOCIATION - APPLICATION FOR MEMBERSHIP (NEW MEMBERS ONLY)**

Name: \_\_\_\_\_ For Calendar Year: \_\_\_\_\_ Date: \_\_\_\_\_

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

Institutional Affiliation, if any: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Shellfisheries interests: \_\_\_\_\_

Regular or Student membership? \_\_\_\_\_

Student members only - Advisor's signature REQUIRED \_\_\_\_\_

If paying by credit card: \_\_\_\_\_ Type of card: VISA MASTERCARD (circle one)

Name on card: \_\_\_\_\_ Signature: \_\_\_\_\_

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

Make checks (MUST be drawn on a US bank) or international postal money order for \$45.00 (\$25.00 for students with advisor's signature) payable to the National Shellfisheries Association and send to Ms. Nancy C. Lewis, NSA Bookkeeper, P.O. Box 350, VIMS Eastern Shore Lab, Wachapreague, VA 23480.



Dr. Maureen K. Krause, Editor  
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