

# National Shellfisheries Association

## QUARTERLY NEWSLETTER



SPRING 2000 POST MEETING

ST. JOHN'S, NEWFOUNDLAND

### President's Inaugural Message

It is a pleasure and an honor to be serving as President of the National Shellfisheries Association. Assuming the presidency of such a distinguished organization with such a rich history is a bit intimidating; however, I know I can rely on the wisdom of several past presidents and the Executive Committee for guidance. In particular, I would like to thank out-going President Rick DeVoe for setting an excellent example of how to efficiently and professionally run NSA. As Rick suggested in his business meeting address in Seattle, NSA is evolving from a small "mom-and-pop" organization to a "small business." With this growth and international recognition come new challenges as well as opportunities. The past year was certainly full of new challenges that had to be addressed to ensure the future success of our association; I will be outlining some of these issues below. It suffices to say that this is an exciting time to be a member of NSA and I feel privileged to be serving as President.

Our 92<sup>nd</sup> annual meeting in Seattle has come and gone and I believe was thoroughly enjoyed by all those who attended. I continue to be impressed by the increasing quality of the talks presented in invited and contributed sessions, and especially those talks presented by our student members. Special thanks are extended to Chris Langdon, Ken Chew, and Derrick Toba for organizing such a well attended, stimulating, fun filled meeting. In addition, I would like to extend my appreciation to a few people whose efforts, year after year, contribute to the success and enjoyment of our annual meetings. In particular, NSA appreciates Ken Chew's efforts in organizing the Chinese banquet, which once again was a gastronomic delight (if not indulgence), and Sandra Shumway's efforts in running the Student Endowment Fund auction, which not only was profitable, but a lot of fun as well!

As most of you know, the annual election for officers was recently held. We received 232 ballots back from our members. I want to congratulate and welcome the following new Executive Committee officers for the 2000-2001 term: Jay Parsons as President-Elect, David Bushek as Vice President, Carolyn Friedman as Secretary, Dan Kreeger as Treasurer, and Aswani Voley as Member-at-Large for 2000-2003. As many of you know, this will be a busy year. There are a lot of items that need

to be accomplished and not much time with which to accomplish them. I thank all of these people for their dedicated service to NSA.

In addition, I want to thank all of the members who have volunteered to chair the various standing and ad-hoc committees that make NSA run so smoothly. George Abbe will continue to chair the Audit-Budget-Finance Committee; Mel Carriker will continue as Historian; Mike Castagna will chair the Publications Committee; Jonathan Davis will chair the Industry Committee; Rick DeVoe will chair the Presidents/Elections/Awards Committee; Maureen Krause will chair the Endowment/Student Awards Committee; Francis O'Beirn will chair the Membership Committee; Roger Newell will chair the Software Committee; Gef Flimlin will chair the Revenue/Investment Committee; and Scott Siddall and Karolyn Mueller Hansen will continue to manage our web site. Finally, I want to congratulate Steve Allen for being elected the student contact for The Recruits. A good way to become more involved in NSA is to volunteer to serve on one of these committees. I cannot stress enough the importance of volunteers to the success of our association. If you would like to help out with any of the above committees, contact the committee chair and let them know you are interested.

Financially, NSA is doing well. During the past fiscal year, however, we did experience a net decrease in our bank account balance of a little over \$85,000. This loss was mainly due to the cost associated with producing five issues of the *Journal of Shellfish Research*, and prompted a thorough investigation into the costs associated with producing JSR (see Treasurer's report). The results of this investigation clearly demonstrated that costs associated with producing one page of JSR far

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- ***Meeting Report NSA 2000***
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exceeded the page charges levied by the journal. When we factored in the policy of no page charges for student members of NSA (first authors only), and the fact that JSR does not deny publication based on the ability to pay, it was clear that adjustments had to be made. These issues were addressed by the NSA Executive Committee at the Seattle meeting and, after much discussion and deliberation, the Committee approved the following changes: annual members dues will increase to \$65.00 for regular members and \$35.00 for student members, institutional subscriptions for JSR will increase to \$150.00 (domestic) and \$160.00 (foreign), and page charges for JSR will increase to \$100.00. These changes follow at least a 10-year period of no increases in dues or page charges. The Executive Committee felt that the increases were necessary to ensure that NSA continues to provide its members with a high quality journal, with occasional special issues of interest, and to ensure the long-term prosperity of NSA.

As I mentioned above, this will be a busy year for the Executive Committee and standing and ad-hoc committees. A variety of action items are now being addressed for this year, including (1) developing ways that NSA can make our journal more profitable (e.g., increased institutional subscriptions); (2) evaluating administrative software packages so that we can replace our old system (originally designed and encoded by Scott Siddall over 15 years ago) with a modern package that will allow us more flexibility and options in managing our members (regular, student, honorary life), institutional subscriptions (foreign, domestic), JSR authors (members, non-members, student members), and fiscal affairs; (3) investigating ways to engage financial donors and better invest our resources; and (4) a much needed review of the NSA by-laws. In addition, Mel Carriker is continuing his efforts to compile an historical perspective of NSA, another membership drive / competition is being planned, and final arrangements are being made for publishing the NSA Membership Directory.

In closing, I want to mention some of the important upcoming items that all of our members should note. The first call for abstracts is being made in this *NSA Newsletter* because next year's meeting will be in January (triennial with WAS and AFS-FCS), announcements and applications for the **Carriker Student Research Grant**, as well as the **Student Endowment Awards** will be made in the next *NSA Newsletter* (students take note), and election ballots will be mailed in the fall. If you have any questions or comments concerning NSA, please do not hesitate to contact one of the members of the Executive Committee, or the chairs of the standing and ad-hoc committees. I look forward to a productive year serving the National Shellfisheries Association.

Evan Ward  
President

## Meeting Report NSA 2000

The 92<sup>nd</sup> annual meeting of the National Shellfisheries Association in Seattle, Washington, March 19–23<sup>rd</sup> 2000 was a great success. There were 197 oral and poster presentations, with a record 42 oral presentations by students. About 370 registrants, including a significant number of members of the West Coast shellfish industry, filled the hotel facilities to near capacity. The high attendance meant that the budget for the meeting was well in the black.

The program included special sessions on a wide range of topics. Invited speakers from Britain, France and Australia, as well as numerous speakers and attendees from other countries, gave the program an international flavor. NSA thanks the Sea Grant organizations of Alaska, Washington, Oregon, California and South Carolina as well as the Western Regional Aquaculture Center and the Coastal Oregon Marine Experiment Station, Oregon University, for their sponsorship of invited speakers. A forum on the pros and cons of aquaculture in coastal waters (organized by Bill Dewey and Dan Cheney) and a forum on technology transfer from universities to industry (organized by Joth Davis) provided some very useful insights into current issues facing West Coast shellfish aquaculture.

Terry Noshko arranged for very generous donations of a wide range of shellfish from local growers, kicking off the meeting's reception with a bang. Ken Chew's Chinese dinner was amazing with about 20 courses of delicious food. The student auction, hosted by Sandy Shumway, generated a record \$1440 for the student endowment fund. Joth Davis's tours of the oyster hatcheries and the oyster bars of Seattle gave attendees a good excuse to explore and enjoy the territory outside of the hotel – and for once it did not rain!

Carla Norwood, Derrick Toba, Ken Chew, Joth Davis, Teri King, Terry Noshko, Bill Dewey, Dan Cheney and Steve Bloomfield were members of the steering committee and ensured that the meeting went very smoothly. Special thanks to Carla Norwood and Derrick Toba for putting so much of their time and energy into organizing and running the meeting.

See you all in Orlando.

Chris Langdon  
Program Chair, NSA 2000





## 2000 David A. Wallace Award

This afternoon, representing the Executive Committee of the National Shellfisheries Association, I have the distinct privilege of introducing you to the 13<sup>th</sup> recipient of the **David H. Wallace Award**. The following is quoted from the bylaws of the NSA, "For the Wallace Awards, the Awards Committee of the National Shellfisheries Association selects individuals whose actions most demonstrate the principles and actions concerned with programs in shellfisheries, aquaculture, and conservation as exemplified by *Mr. David H. Wallace* during his lifetime in promoting understanding, knowledge, and cooperation among industry members, the academic community, and all levels of government, and who has had outstanding success in bringing together shellfish scientists and industry officials for the benefit of shellfisheries."

Mr. Leroy Creswell is this year's recipient and his career embodies what this award is all about. Perennially we emphasize the importance of fostering communication and interaction among the academic community, government organizations and private industry. The fruits of Leroy's career are a testimony to what can be accomplished when efforts are made to work together.

Through his vision, dedication, and devotion, Leroy paved the way for the development of a thriving commercial bivalve industry in the southeastern United States. He started with small grants from Florida's Department of Agriculture in the early 1980s and used these funds to design culture systems for

both oysters and clams. These systems specifically addressed needs relative to the sub-tidal condition of the waters for growing and the subtropical climate of Florida.

His efforts were eventually followed by "how to" manuals, educational workshops, and training programs to introduce the needs and potential for successful shellfish aquaculture. A unique opportunity for expansion arose when he was asked to participate in a program that was funded through the Job Training Partnership Act. Via this program, Leroy provided education and training in shellfish culture to commercial fishermen who were economic victims of a gill net ban in Florida's waters. The program was the foundation for the expansion of an economically successful shellfish industry in Florida.

In part, through the continuing efforts of Leroy, the number of shellfish producers in Florida has increased from 13 during the late 1980s to the current 450, a 3000% increase. Never complacent with the status quo, Leroy has always strived toward improvement and efficiency. He has been involved in the design of harvest and culture equipment for bivalves, equipment that has resulted in two patents.

Many individuals credit Leroy as the source of inspiration for individuals who were reluctant or did not have faith in research programs or government-funded projects. Leroy gained the respect and trust of potential and existing producers by his exceptional rapport with clientele. This rapport was based upon the technical support and practical information that he provided, enthusiastically, sincerely, and with a true sense of

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*Presentation of the **Wallace Award** to Leroy Creswell. Pictured left to right: George Abbe, Lou D'Abramo, Leroy Creswell and Rick DeVoe.*



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caring. Few can equal the intense desire and devotion that he has demonstrated in transferring information and technology effectively.

Leroy has always recognized the value of professional societies, particularly NSA, in promoting interaction between researchers and private enterprise. As a fledgling graduate student at the University of Miami, he heeded the exhortations of Scott Siddall and attended his first NSA meeting in 1982. He has been a member of NSA for 21 years. Leroy has also served as a member of the Board of Directors of the World Aquaculture Society for several years, and as a fellow member of that Board I can attest to his dedication to effective modes of information transfer. He served as President of the World Aquaculture Society from 1994 to 1995, a testimony to the respect he has gained internationally. He has also served as President of the Caribbean Aquaculture Association and Director of the Gulf and Caribbean Fisheries Institute, currently serving as a Board member and Senior Editor of the Institute's Proceedings. In these leadership positions Leroy had devoted considerable effort to establishing an on-going dialogue between the shellfish industry and researchers through forums, special sessions at national and international meetings, and workshops. Another fine example of his way of serving both researchers in academia and the industry is a book, "The Aquaculture Desk Reference", that he prepared. It's a handy source of information for all those involved in aquaculture.

Leroy continues to demonstrate his vision of where the aquaculture industry in the United States should be in the future. He has advocated the need for the shellfish industry to develop codes of practice that will insure sustainability and to develop a better image with the public and a better working relationship with state and federal agencies. He recognizes the importance of diversification, not simply limiting his work to the hard clam or the eastern oyster but also turning his efforts toward the investigation of the aquaculture potential of the angel wing clam. He has recently turned some of his attention to the culture of ornamental marine shrimp, an alternative to the destructive consequences of wild collection from coral reefs. In concert with this research, he developed a commercially available diet called *Vibragro*. Leroy also has been involved in the development of technology for the culture of spiny lobsters and is considered to be one of the few experts in queen conch culture. He is also working on the development of a formulated diet for green sea urchin.

Since 1983, Leroy has been employed at the Harbor Branch Oceanographic Institution in Fort Pierce, Florida. Soon, he will move on to an extension position within the Florida Sea Grant Program. Undoubtedly, while he serves in the capacity of this new position, the shellfish industry in the southeastern United States will continue to expand, benefiting from his expertise and his unique ability to make things happen through information transfer and exchange.

Leroy is a mover and a shaker in the shellfish community, and an individual with boundless optimism and energy. He is an innovator, he is a people person, and he is an individual who has helped to restore the industry's faith in academia. He most definitely exemplifies the spirit of the prestigious Wallace Award. Leroy, on behalf of the members of the Executive Committee and Board of NSA and all members here today, congratulations to you.

Lou D'Abramo

### Notes from the Treasurer

After a run of four straight years with a positive net annual budget, NSA finances were in the red for the fiscal year ending 9/30/99. The net balance for the year was \$-87,965, which was more than four times our greatest deficit ever. This occurred despite a profitable meeting in Halifax and a positive net for our administrative cost center. The reason for the large deficit was our production of five issues of JSR during the fiscal year instead of the usual two or three. Due to rising costs associated with journal publication, by my calculation it cost \$151 per page to publish these five issues, but we charge only \$65 per page for page costs (and we don't charge for all of those). Hence, each issue of JSR incurs a loss. For example, the five issues produced cost \$257,655 but revenues generated from publications totaled only \$159,248. This nearly \$100K loss resulted in depletion of our main account balance from \$178K in October 1998 to \$95K in October 1999. Without taking corrective measures to increase revenues, I forecast that we would continue to generate an annual deficit no matter whether we produce two or five issues of JSR, due to the rising costs for most of the services that NSA members receive.

Daniel A. Kreeger  
Treasurer

**Visit the NSA Web Site for the latest updates**  
**<http://shellfish.org>**



## Resolutions of the 92nd Meeting of the National Shellfisheries Association

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked the Chairs of the following committees: George Abbe, Presidents, Elections, Awards, and Audit-Budget-Finance Committees; Dave Bushek, Membership Committee; Mel Carriker, Association Historian; Mike Castagna, Publications Committee; Joth Davis, Industry Committee; Maureen Krause and Aswani Volety, Endowment/ Student Awards Committee; Lisa Milke, Student Contact, The Recruits; Steve Tettelbach, Audit-Budget-Finance Committee for their outstanding contributions to the prosperity and well-being of the National Shellfisheries Association during the last year.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked: Rick DeVoe, President; Evan Ward, President-Elect; Chris Langdon, Vice President; Carolyn Friedman, Secretary; Dan Kreeger, Treasurer; Gef Flimlin, Member-at-Large; Lou D'Abramo, Member-at-Large; Mark Luckenbach, Member-at-Large; Nancy Lewis, Bookkeeper for their diligence and guidance in serving the National Shellfisheries Association during the last year.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked: Sandy Shumway, JSR Editor; Jay Parsons, *NSA Newsletter* Editor; Karolyn Mueller Hansen, NSA Web Site Administrator; Scott Siddall, NSA Web Site Advisor for their outstanding contributions to National Shellfisheries Association through the delivery of information to the membership and the scientific and management community worldwide.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked the organizing committee for NSA 2000: Chris Langdon, Program Chair, Ken Chew, Carla Norwood, Derrick Toba, Terry Noshio, Teri King, Joth Davis, Bill Dewey, Dan Cheney, Steve Bloomfield for

their outstanding contributions to the organization and success of the 92<sup>nd</sup> Annual Meeting of the National Shellfisheries Association.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked these companies for donations of shellfish products to the NSA 2000 reception: Baywater, Inc., Coast Seafoods Co., Ekone Oyster Co., Kamilche Sea Farms, Taylor Shellfish Farms, The Last Place on Earth, Little Skookum Shellfish Growers and the oyster shuckers: Bill Dewey, Steve Bloomfield, Joth Davis.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked the organizations that donated funds to support the travel of invited speakers: Alaska Sea Grant, Washington Sea Grant, Oregon Sea Grant, California Sea Grant, South Carolina Sea Grant, USDA Western Regional Aquaculture Center, Coastal Oregon Marine Experiment Station, Oregon State University.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked: Carla Norwood, Derrick Toba, Ken Chew for making all the hotel arrangements, budgets and registration. Joth Davis – for organizing the tours of the oyster industry and the walking tour of Seattle's oyster bars; Terry Noshio – for organizing the seafood donations of industry for the Reception; Teri King – for organizing the Poster session.

**Whereas**, the National Shellfisheries Association, Inc. (NSA) is a Not-for Profit Corporation, and **Whereas**, members serve as officers and committee members on a voluntary basis, **Be it Resolved** that on March 22, 2000, the National Shellfisheries Association formally recognized and thanked: Melbourne Carriker for his tireless, diligent and ongoing work in documenting the history of the association.





## Student Awards, Seattle 2000

Judging by the quality and level of student participation in the Seattle meeting, the future of NSA is in great hands. A record 42 students gave oral presentations and competed for the **Thurlow C. Nelson Award**, and 13 students presented posters and competed for the **Gorden Gunther Poster Award**. Because so many students gave excellent, high quality talks, the judges broke with tradition and decided to award two **Thurlow C. Nelson Awards** this year. Student Award Committee Co-chairs Aswani Voley and Maureen Krause presented the **Thurlow C. Nelson Award** to Douglas A. Pace, University of Southern California, for his talk "Genotype dependent differences in feeding rates and growth in oyster larvae", and to Jeffrey Springer, North Carolina State University, for his talk "Behavioral variability of the toxic dinoflagellate, *Pfiesteria piscicida*, when introduced to larval and adult shellfish." Three students were awarded Honorable Mentions for outstanding oral presentations, as well (and if we could have given out five **Thurlow C. Nelson Awards**, we would have!): Congratulations to Ryan Carnegie, University of Maine, Orono, for "Development of a PCR assay for detection of *Bonamia ostreae* in flat oysters, *Ostrea edulis*," to Bradley J. Peterson, Florida International University for "Interrelationships between seagrasses and benthic suspension feeders," and to Carl L. Demetropoulos, Hatfield Marine Science Center, for "Enhanced production of Pacific dulse for co-culture with red abalone in a land-based system." The quality of student posters at this year's meeting was very impressive, and it was great to see so many students present in this format. The **Gordon Gunther Poster Award** was given to John T. Buchanan, Louisiana State University, for "Research-scale culture of oyster larvae", and Honorable Mention was awarded to Dane Frank, University of Connecticut, for "Effect of clay suspensions on clearance rate in three species of benthic invertebrates."

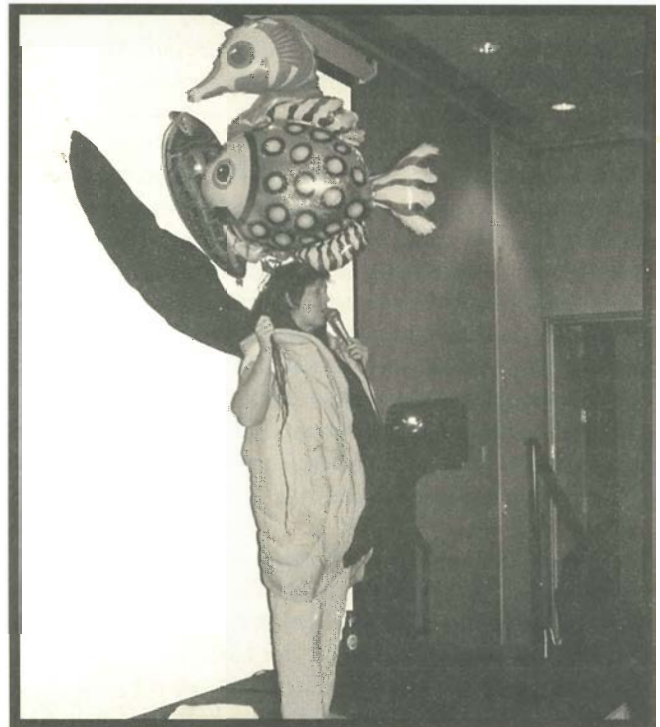
Hopefully most of you attending the Seattle meeting made it to Sandy's annual action-packed auction. During the meeting, many of you noticed students manning the audio-visual equipment or staffing the registration and sales booth during the meeting. You couldn't miss hearing at least a few student talks in Seattle. What do these all have in common? The *Student Endowment Fund*! Thanks to your continued support through the auction, merchandise sales, and donations, the *Student Endowment Fund* is growing and continues to support student participation in our annual meetings. This year, a record thirty-three students applied for SEF Awards. Twelve students received free rooms at the conference hotel and ten students received registration waivers. In return for their awards, students agreed to lend a hand at the meeting. Recipients of this year's SEF awards were: Scott MacQuarrie, Lisa Milke, Ryan Carnegie, Susan Gwynne Brown, John Buchanan, Elizabeth Francis, Carmen Paniagua-Chavez, Jeff Springer, Tracy Vassiliev, Spencer Russell, Greg Coates, Luis Cruz-Rodriguez, Amy Nickens, Leonard Rodgers, Michael McKee,

Allison Luengen, Rebecca Ellin, Matthew Gordon, Carl Finley, Suzanne Schreiber, Gretta O'Sullivan, and Jodi Brewster. Congratulations all!

Sorting through all of those SEF Award applications and abstracts and judging student presentations are tasks that require the generous donation of time and energy of many NSA members. Thank you to everyone who helped, including David Bushek, Jerome LaPeyre, Inke Sunila, Bill Fisher, Fred Genthner, Richard French, Fu-Lin Chu, Sandra Shumway, Gef Flimlin, Susan Ford, Lou D'Abramo, Rick DeVoe, and Francis O'Beirn. If we left anyone out, our sincere apologies! Finally, I'd like to acknowledge the contributions, energy, ideas and assistance of Aswani Voley, who served as co-chair of this committee for the past two years and will be stepping down (up?) to begin serving a term as Member-at-Large on the Executive Committee of NSA. He was instrumental in recruiting judges, sifting through and judging countless applications, and helping organize and clarify the judging process.

If you're interesting in getting more involved with the Student Award Committee, especially in judging SEF applications or student presentations at Aquaculture 2001, please contact Maureen Krause at [mkrause@mwc.edu](mailto:mkrause@mwc.edu) or the new co-chair of the Student Awards Committee, Fu-Lin Chu, at [chu@vims.edu](mailto:chu@vims.edu). Students, if you have questions about the awards and application process, please don't hesitate to contact us!

Maureen Krause



*Sandy "Geoduck" Shumway helping to raise money for the NSA Student Endowment Fund.*



# **First Call for Papers**

## **Aquaculture 2001**

**Lake Buena Vista (near Orlando), Florida**

**January 21-25, 2001**

Believe it or not, but it's already time to start planning your presentation for the 93rd Annual Meeting of NSA at Disney's Coronado Springs Resort near Orlando, FL. This will be a triennial meeting of NSA, WAS and AFS Fish Culture Section. The triennial meetings are always exceptional and this year we, National Shellfisheries Association, are the lead organization! Planning is well under way and a number of special sessions, workshops, and of course the trade show are already being organized! Thus far, some of the tentative special shellfish sessions being organized include:

- Marine shrimp nutrition (Alberto Nunes)
- Freshwater crustacean nutrition (Lou D'Abramo)
- Shellfish health (Sharon McGladdery)
- Biochemical and physiological approaches to *Perkinsus marinus* (Fu-Lin Chu)
- Molluscan cell culture (Jerome LaPeyre)
- Environmental influences on shellfish aquaculture (Aswani Volety)
- Environmental interactions and shellfish culture (Paul Olin)
- Sustainable shrimp aquaculture (Craig Browdy)
- Toxic algae and shellfish culture (Sandra Shumway)

If you are interested in setting up a special session on a shellfish related topic contact Jay Parsons (Jay.Parsons@mi.mun.ca), Dave Bushek (bushek@sc.edu), Sandy Shumway (sshumway@southampton.liunet.edu) or Rick DeVoe (devoemr@musc.edu) immediately. They will help you get the ball rolling. What better way to ensure that you get to hear about the topics of your choice without having to run between concurrent sessions? Of course papers are also being solicited for the general contributed sessions, and because this is a triennial meeting, the breadth of topics expands dramatically, including:

- |                          |                       |
|--------------------------|-----------------------|
| Biotech Applications     | Computer Technologies |
| Crustacean Culture       | Drug/Therapeutants    |
| Ecological Interactions  | Economics             |
| Education Programs       | Effluent Management   |
| Engineering              | Water Quality         |
| Extension/Tech Transfer  | Farm Production       |
| Feeds/Nutrition          | Fisheries Enhancement |
| Finfish Culture          | Genetics/Breeding     |
| Health and Disease       | Offshore Aquaculture  |
| Marketing and Promotion  | Mollusc Culture       |
| Quality Assurance/HACCP  | Polyculture           |
| Policy/Regulations       | Ornamentals           |
| Environmental Monitoring |                       |

If you can't find an area that fits your work, make sure that the organism you work on is aquatic, then check again. If you still can't, contact Jay or Dave to set up a special session.

Abstracts are due **July 31, 2000!** This is a firm deadline. E-mail or fax submissions will not be accepted. Detailed abstract submission instructions will be mailed separately to all NSA members — you may have already received some or picked one up at the Seattle meeting. More information will be available on the WAS web site ([www.was.org](http://www.was.org)) which can be accessed through links from our web site ([shellfish.org](http://shellfish.org)). Note that the format for abstracts is substantially different from that used for our normal annual meetings. You have a full 8.5 x 11 inch sheet of paper with 1 inch margins and can include camera-ready black and white figures and tables. This extended format enables you to develop a tremendously valuable abstract. Students submitting abstracts should remember to apply for the Student Travel Awards (details to be provided in the next *NSA Newsletter*).

Because this will be such a large meeting, authors are encouraged to consider poster presentations and the organizers will be placing an emphasis on poster sessions. Also, note that, counter to recent trends, computer projection and video presentations are not being permitted. Oral presentations should use high quality 35 mm slides. Use of transparencies is discouraged.

Dave Bushek  
Vice President

## **Clam Culture Seminar**

On February 19, 2000, the Virginia Institute of Marine Science in collaboration with the Virginia Sea Grant College Program sponsored a seminar entitled, "Status of Clam Culture in the United States". The meeting was held in Exmore on Virginia's Eastern Shore. While the focus of the seminar was primarily the East Coast hard clam aquaculture industry (Massachusetts to South Carolina), invited speakers did present overviews on manila clam culture in Washington State and hard clam aquaculture on the Gulf Coast of Florida. The underlying theme of the seminar was to present an overview of the status of clam culture in the US and address future research needs. In addition, permitting problems and potential user conflicts were identified. Ninety-five people attended this one-day event. It is hoped that the seminar will become an annual occurrence. A publication including abstracts from the presentations is currently being prepared and will be available in the near future. Individuals interested in acquiring a copy of this publication and being informed about future meetings should contact Mike Oesterling, Virginia Institute of Marine Science, PO Box 1346, Gloucester Point, Virginia, 23062, USA or e-mail: [mike@vims.edu](mailto:mike@vims.edu).



## Audit-Budget-Finance Update 2000

Last year was a great year for NSA members, but a tough one for NSA finances. As members we received five issues of the JSR, but the cost of these exceeded revenues by more than \$95,000. This set our reserves back, but it is exactly the reason we have been accumulating them over the past few years. It was also a great learning experience; producing a lot of JSR pages is very expensive, even when some issues are partially sponsored. Total revenues for the 1998-99 fiscal year (October 1998 through September 1999) were \$227,750 and expenses were \$315,715 for a decrease of \$87,965 to our overall balance which ended the year at \$93,551 including \$20,201 in *Student Endowment Funds*. Beginning in 2000 A-B-F will be working with the Publications Committee to help control overall publication costs.

Administrative revenues and expenses for 1998-99 were \$35,636 and \$29,436, respectively, for an increase of \$6,200. Publication revenues were \$159,337 and expenses were \$254,835 for a decrease of \$95,498. And revenues from the Halifax meeting were \$32,776 while expenses were \$31,443 for a gain of \$1,333.

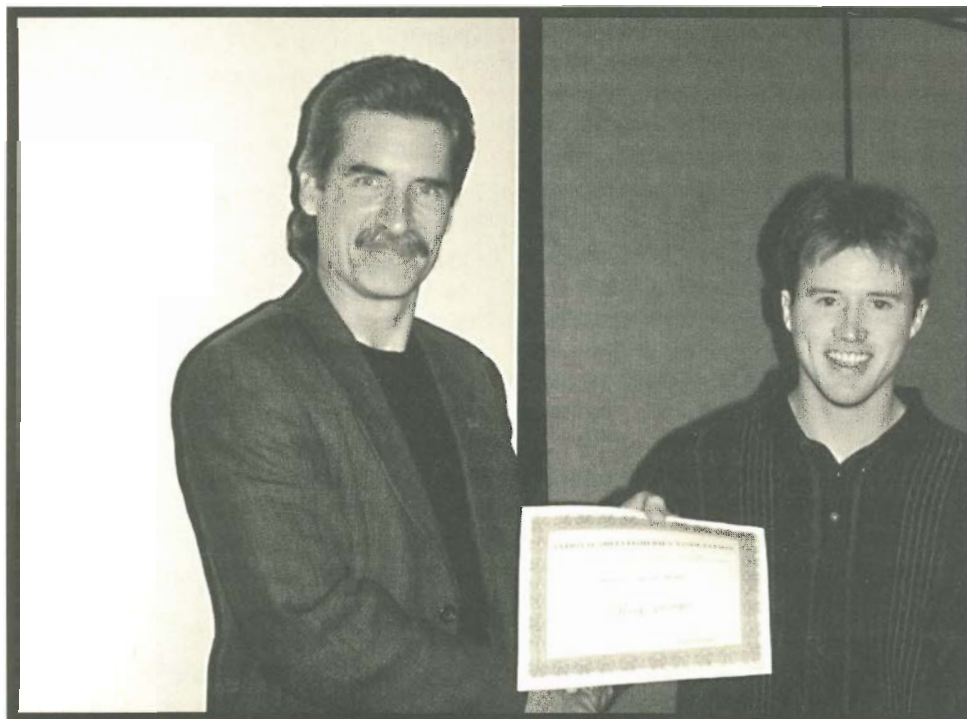
The proposed budget for the 2000-01 fiscal year, which begins

1 October 2000, projects a gain of \$16,115 from administrative activities, a gain of \$10,400 from publications, and a gain of \$23,500 from our triennial meeting in Orlando in January 2001. If these revenues and expenses are realized it would increase the Association's balance by \$50,015 or about half of the loss realized during 1998-99. Recent changes in our accounting procedure shift \$15,000-20,000 annually from administrative revenues to publication revenues, and administrative revenues also cover *NSA Newsletter* costs; this helps reduce the decreases previously encountered by publications.

NSA financial ledgers were reviewed in 1999, but not to the extent that they were after the 1998-99 fiscal year when the books were transferred to Treasurer Dan Kreeger.

With a continuation of successful meetings and by watching expenditures more carefully, our financial base should begin to expand once again. When we feel comfortable with our financial position, then we should continue the financial creativity we have recently shown; *to do so beforehand could be risky.*

George Abbe and Steve Tettelbach  
Audit-Budget-Finance Committee



*Rick DeVoe presenting the Thurlow C. Nelson Award to Jeffrey Springer at the NSA 2000 annual meeting.*



## Recruits Corner

Well students, congratulations on a record turn out in Seattle. There were 42 oral presentations and 14 poster presentations, some dancing and a whole lot of socializing done at NSA this year.

One of the things we accomplished at this year's meeting was the formation of the student committee for 2000-2001. The committee consists of myself, Lisa Milke (lisa.milke@uconn.edu), Yongping Wang (wyongping@yahoo.com), Nature McGinn (namg@hopper.unh.edu) and Steve Allen (crassostrea@excite.com). Nature will be serving as the student coordinator for the web site and Steve is the new student contact person.

Although we had a fairly good turn out at the student meeting (about 20 students in all made it), I would like to apologize to those of you who were unable attend. The timing was poor as it overlapped with the poster session. We are hoping to make the student meeting a permanent portion of the meeting agenda in the future and next year there shouldn't be any scheduling conflicts preventing students from attending.

Over the next year, we are going to alter the format of the student section of the web site. It will contain more information about awards, grants, scholarships and student travel awards. Web site suggestions are certainly welcomed, but at the very least take a moment to check out the site at [www.shellfish.org/recruits.htm](http://www.shellfish.org/recruits.htm).

The student committee is here to respond to any student needs. If you have any questions, concerns, ideas for next year's meeting, etc. that you would like to address, please do not hesitate to contact Steve (contact information on the back page of the *NSA Newsletter*), or any of the student committee members.

Hope to see you all next year in Orlando.

Lisa Milke

## Membership Report

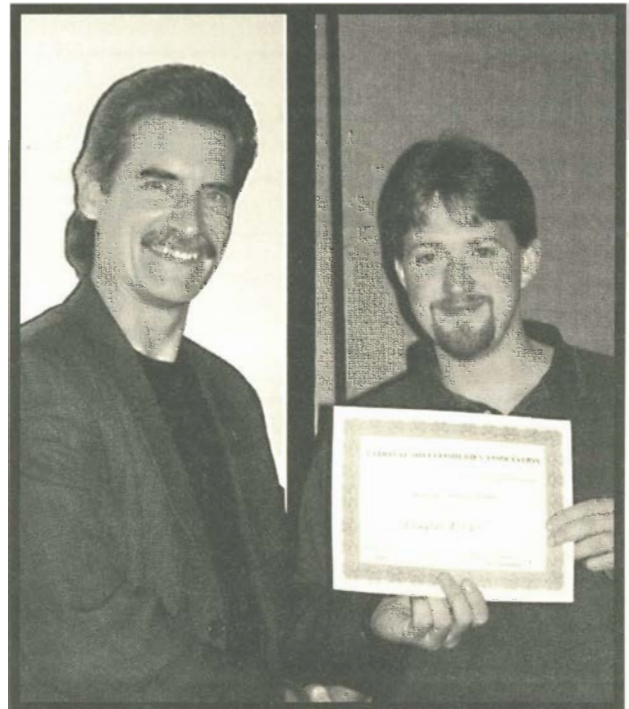
It has been a pleasure to serve as Chair of the Membership Committee during the past several years. During that time the membership has grown steadily and we are marching toward the 1000 member mark. Despite this size, NSA still maintains a congenial atmosphere that promotes interactions among students, faculty, researchers, industry members and resource managers. As I take on my elected role as Vice President I am happy to see the Membership Committee Chair move to the able hands of Francis O'Beirn. I ask all NSA members to keep up the excellent work you do inside and outside of NSA, and to lend Francis a hand when he asks as well as whenever you

have the opportunity to encourage your colleagues to join. Along these lines, don't forget about the recruiting contest – the member recruiting the most new members during the calendar year wins a free year membership (someone has to beat Sandy, she won with 10 new recruits to beat Jay Parsons at 7). All you have to do is get the new members to write your name on their application form. Other members that actively participated in this contest included: Marcela Pascual, Hal Beattie, Richard French, Lisa Milke, Michael Rice, Fu-Lin Chu, Christine Paillard and Dave Bushek. Membership applications can be copied from this *NSA Newsletter* or the back of a recent JSR issue, or downloaded from the web site. Remember, the dollar value on that membership is increasing! Though it's still just about the best bargain around.

For the record, NSA began the new millennium (assuming you believe we just began it) with 897 members from 40 different countries. Of that total, 131 were student members. Membership had increased to 909 with 134 students by the Seattle meeting. Finally, I want to thank Francis O'Beirn and Nancy Lewis for their help over the past year.

P.S. If your dues are overdue -- pay up!

Dave Bushek



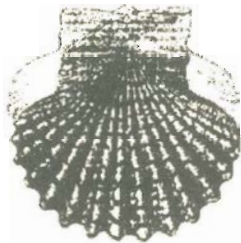
*Rick DeVoe presenting the Thurlow C. Nelson Award to Douglas Pace at the NSA 2000 annual meeting.*



## From the Newsletter Editor...

Always after an annual meeting there are a lot of people to thank for their tremendous efforts and a number have already been acknowledged elsewhere in this *NSA Newsletter*. But to add a few more kudos, photo credits go to Steve Allen and Sandy Shumway. As well many students helped out at the sales booth in Seattle including Brian, Scott, Steve, Lisa, Elizabeth and Nature to name a few. A final thanks to Lisa Milke for her efforts with The Recruits over the last year and for being the person most prompt in providing material for the Newsletter!

Jay Parsons



## Photo Contest – NSA2000

**Thanks to Sandy Shumway for organizing the photo contest and to the NSA members who sent in their childhood photos.**

**Ellen Kenchington was the keen eye who correctly identified the most culprits! Way to go Ellen!**

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 USA.



## Upcoming Meetings

**Aquaculture Canada 2000:** May 28-31, 2000, Moncton, New Brunswick, Canada. The Aquaculture Association of Canada's millennial meeting will be held at Hotel Beausejour. The theme of the meeting is Aquaculture in the Millennium: Innovation and Sustainability. For more information contact Dr. Andrew Boghen, Université de Moncton, Moncton, NB Canada E1A 3E9, phone 506-858-4321, fax 506-858-4541, email aac2000@umoncton.ca or website www.aac2000.org.

**Third International Conference on Molluscan Shellfish Safety:** June 19-24, 2000, Southampton College, Long Island University, Southampton, New York. Deadline for abstract submission is December 31, 1999. For more information or those wishing to organize a session, contact Dr. Sandra E. Shumway, Natural Science Division, Southampton College, Southampton, NY 11968 (contact numbers on back).

**ECSCA-workshop on Community Ecology of Soft Bottom Mussel Beds:** August 2-6, 2000, Wadden Sea Station Sylt, Island of Sylt, Germany. Topics to be covered include: (1) species interactions in mussel beds, (2) mussel beds and the influence of physical factors, (3) population ecology of *Mytilus edulis*, and (4) the role of mussel beds in the coastal ecosystem. For more information contact the Wadden Sea Station Sylt, Alfred -Wegener Institute for Polar and Marine Research (AWI), D-25992, Island of Sylt, Germany. Phone +49 4651 956 103, fax +49 4651 956 200 or email gbardt@awi-bremerhaven.de.

**World Fisheries Congress III:** October 31-November 3, 2000, Beijing International Convention Center, China. The conference is hosted by China Fisheries Society and jointly sponsored by Asian Fisheries Society, American Fisheries Society, World Aquaculture Society, and Australian Society for Fish Biology. The focuses include aquaculture, seafood technology, coastal zone management, fishery technology, management, and socioeconomic. For further information, contact web site www.fisheries.moa.gov.cn or email csfish@agri.gov.cn.

**East Coast Live: Marketing Live Aquatic Products 2000:** November 1-4, 2000, Radisson Hotel, Annapolis, Maryland. For additional information contact: John Ewart, Delaware Sea Grant Marine Advisory Service, College of Marine Studies, University of Delaware, 700 Pilottown Road, Lewes, Delaware 19958 USA. Phone 302-645-4060, fax 302-645-4007 or email ewart@udel.edu.

**Molluscs 2000:** December 4-8, 2000, The University of Sydney, NSW, Australia. The conference is the second 3-yearly conference to be held by The Malacological Society of Australasia, aimed at bringing together people working on molluscs in the Indo-Pacific and Australasian regions. For

more information contact Dr Winston Ponder phone 61 2 9320 6120, fax 61 2 93206050, or web site [www.austmus.gov.au/science/division/invert/mal/malsoc/confer3.htm](http://www.austmus.gov.au/science/division/invert/mal/malsoc/confer3.htm).

**Aquaculture 2001:** January 21-25, 2001, Coronado Springs Resort, Disney World, Lake Buena Vista (near Orlando), Florida. Triennial meeting of the **National Shellfisheries Association**, World Aquaculture Society and the American Fisheries Society - Fish Culture Section. For more information visit [www.was.org](http://www.was.org), or Director of Conferences and Sales: John Cooksey, voice +1-425-485-6682, fax +1-425-483-6319 or email [worldaqua@aol.com](mailto:worldaqua@aol.com). Also, see call for paper in this issue.

**13th International Pectinid Workshop:** April 18-24, 2001, Coquimbo, Chile. Deadline for submission of abstracts is November 1, 2000. For information contact the local organizing committee, IPW, Universidad Catolica del Norte, Facultad de Ciencias del Mar, Casilla: 117, Coquimbo, Chile. Fax (56) 51-209782 or email [pectinid2001@nevados.ucn.cl](mailto:pectinid2001@nevados.ucn.cl).

**International Commemorative Symposium 70<sup>th</sup> Anniversary of the Japanese Society of Fisheries Science:** October 1-5, 2001, Pacifico Convention Plaza Yokohama, Yokohama, Japan. The symposium will consist of plenary sessions including keynote addresses, oral presentations, poster sessions and workshops on fisheries biology, environment and conservation, aquaculture, and others. The deadline for abstract submission is September 30, 2000. For more information contact web page [www.symp70yr.or.jp](http://www.symp70yr.or.jp) or secretariat Dr. Toshiaki Ohshima, Tokyo University of Fisheries, Konan 4-5-7, Minato, Tokyo 108-8477, Japan, phone +81-3-5463-0613, fax +81-3-5463-0627, or email [symp70yr@tokyo-u-fish.ac.jp](mailto:symp70yr@tokyo-u-fish.ac.jp).

If you know of any meetings, conferences or workshops that might be of interest to NSA members, please contact Jay Parsons at email: [Jay.Parsons@mi.mun.ca](mailto:Jay.Parsons@mi.mun.ca), phone (709)778-0307 or fax (709) 778-0535.

### **Aquaculture 2001, Orlando, FL Special Sessions Wanted**

*Plans are forging ahead for the meeting to be held in Orlando, Florida from January 21-25, 2001.*

*Organizers are still needed for special sessions. If you want to be sure that your favorite topic is covered, organize a session! Don't wait until the meeting to voice your complaints that "there was nothing there for you".*

*Sessions can be ½ or 1-day and the list of possible topics is endless. If you are interested, please notify Jay Parsons, Sandy Shumway, Rick DeVoe, or Dave Bushek as soon as possible so that we can get started. Remember NSA is the lead organization for this triennial meeting, so lets have a great program!*



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