

# National Shellfisheries Association

## QUARTERLY NEWSLETTER

Fall 1987



Lewes, Delaware

### NSA Holds 79th Annual Meeting in Halifax

Two-hundred and eight persons were registered for the 79th annual meeting of the National Shellfisheries Association held at the Chateau Halifax Hotel in Halifax, Nova Scotia from August 9-13, 1987.

The technical program, arranged by Roger Mann (Virginia Institute of Marine Science, Gloucester Point, VA), consisted of 103 oral and eight poster presentations. Special topics covered this year included: "Toxic Algal Blooms" (Sandra E. Shumway, Department of Marine Resources, West Boothbay Harbor, ME); "Biology of *Busycon*" (Jane DiCosimo, Virginia Marine Resources Commission, Newport News, VA); and "Genetic Selection and Breeding for Bivalve Aquaculture" (Susan E. Ford, Shellfish Research Laboratory, Rutgers University, Port Norris, NJ). It was necessary again this year to hold concurrent sessions to accommodate the large number of papers scheduled for presentation and it is expected that this trend will continue for future meetings.

Participation of the Shellfish Institute of North America (SINA) in this year's annual meeting was missed, but there is optimism that joint meetings between SINA and NSA will take place in the future.

Two recipients were selected this year to receive the Thurlow C. Nelson Award for the best student paper. J. Evan Ward (College of Marine Studies, University of Delaware, Lewes, DE) was recognized for his presentation "Effects of Microbial Metabolites on Particle Selection and Filtration Rates of Mussels," as was Kim E. Harrison (Department of Biology, Dalhousie University, Halifax, Nova Scotia, Canada) for her paper "Effect of Docosahexaenoic Acid on the Growth and Fatty Acid Composition of the Lobster *Homarus americanus* and the Bioconversion of Linolenic Acid to HUFA's." Both will receive five-year memberships in NSA.

An honorable mention (two-year NSA membership) was awarded to Melissa Beristain (Department of Marine Sciences, State University of New York, Stony Brook, NY) for her presentation "The Effect of Epibionts on the Growth of *Mytilus edulis* Cultured in Long Island Sound." Congratulations to Kim, Evan and Melissa for their interesting research and outstanding presentations.

This year's selection of the T.C. Nelson Award winners was made by a committee headed by Mary Gibbons and included Mike Castagna, Fu Lin Chu, Edwin Rhodes, Monica Bricelj, Eugene Fritz, Laura Adamkewicz, John Crenshaw and Sandra Shumway. Papers were judged on the basis of scientific content, presentation, quality of visual aids and handling of questions. Thanks to Mary and the Award Committee for evaluating all of the 27 student papers presented this year.

### The Year Ahead

*by John Manzi, 1987-88 NSA President*

The Halifax meeting was an important meeting for the National Shellfisheries Association. It was the first time in many years that we met independently and it was held on foreign soil (somehow I can't think of Canada as foreign!). These two elements could have conspired to produce a less than successful meeting. Instead we had a most rewarding conference: great technical sessions, a terrific field trip and an outstanding banquet.

Much of the credit, of course, has to go to the Local Arrangements and Program Committees. The best arrangements and program, however, would go unnoticed without the support of the membership. Your support of and attendance at the Halifax meeting was what really made it a success.

We begin this new year fresh from the success at Halifax and eager to address the new business of the Association. The EXCOM has elected to institute several

### New Look for the NSA Quarterly Newsletter

You may have noticed something different about this issue of the NSA Newsletter in comparison to past issues. In accordance with the EXCOM decision at the last annual meeting in Halifax, Nova Scotia, I have made a few changes in the newsletter to give it a more professional look and I hope they meet with your approval.

Even if a newsletter has an improved appearance, it is in actuality only as good as the quality of the material printed in it. This is where you come in. With this new format we can now print black and white photographs and, with typesetting, can accommodate more text. I encourage you to submit materials for publication in the newsletter. Short reports describing your current work, promotions, job changes, book reviews, opinions, new developments in research or industry, etc., or anything you think other NSA members would be interested in learning about.

Remember, the purpose of the NSA Newsletter is to promote communication among our membership, so let's work together to make the content of the newsletter as good as its new appearance.

*John Ewart  
Editor*

changes in the way NSA operates and we hope these changes will result in better and more timely publications, close financial management and easier communication between the members. These changes include:

### NSA Fiscal Year

In order to better organize and control the Association's finances, we are changing our fiscal year from June 1 - May 31 to October 1 - September 30. This will allow sufficient

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## Summary of the 1987 Executive Committee (EXCOM) Meeting

The EXCOM meeting was held on Sunday, Aug. 9, 1987. Secretary-Treasurer Scott Siddall presented the financial report with a summary of accounts:

Revenues .....	\$17,651
Expenditures .....	\$ 6,639
Fund Balance—1986 .....	\$ 4,450
Fund Balance—1987 .....	\$16,670

Scott reported that the discrepancy between excess revenues this year and changes in the fund balance are due to \$1,209 of income, sources of which await clarification by Edwin Cake, former managing editor of JSR, who still holds the funds.

Audit-Budget-Finance Committee Chairman George Abbe reported that he was able to complete internal audits for the fiscal years 1984-85 and 1985-86 and certified that the books for both years are in good order. The audit of the 1986-87 ledger will be completed when the current Secretary-Treasurer Scott Siddall transfers the books and funds to the incoming secretary-treasurer.

Honorary Membership Chairman John Manzi indicated that neither the David H. Wallace Award nor an Honored Life Membership would be given this year. An increased effort will be made, however, to identify future nominees for these honors.

## Journal of Shellfish Research

Mike Castagna, Chairman of the Publications Committee, reported that publication of the JSR is back on schedule. During the 1986-87 fiscal year, volumes 4(1), 4(2), 5(1) and 6(1) were produced. Issue 5(2) was scheduled to be mailed in mid-August. Issue 6(1) has been mailed and 6(2) is scheduled for publication in December 1987. Issue 7(1) is in preparation and will contain papers covering the toxic bloom sessions of the 1987 meeting. All manuscripts and other materials for the **Journal of Shellfish Research** should be sent to JSR Editor Sandra E. Shumway, Department of Marine Resources, West Boothbay, ME 04575, (207) 633-5572.

During the last three years, the editorship of JSR has undergone a transition from Roger Mann to Bob Hillman and now to Sandra Shumway. Members of the Publications Committee have made quite an effort to get JSR back on schedule and the result of their hard work is now being realized. For example, a new printer, The Sheridan Press, Fame Avenue, Hanover, PA 17731, (717) 632-3535, has been retained by the Association to publish JSR. The account representative at Sheridan is Ms. Joyce Fry and

Standing in for Membership Chairman Roger Newell, Secretary-Treasurer Scott Siddall reported that 125 new members had joined the Association during the past year while 100 had retired or been dropped for non-payment of dues. An additional 59 new members were recruited during registration at the Halifax meeting.

Program Chairman Roger Mann reviewed last year's Executive Committee decision to distribute the abstract book to all members and to discontinue publishing the abstracts in the journal itself. Roger reported that based on current cost estimates for producing the abstract book the policy was amended this year. The 1987 abstract book will be mailed to all members who did not attend the meeting (those attending received copies at registration). The books will bear a note indicating that this copy is being provided at no additional cost this year only, and that in future years, copies of the abstract book will be available for a charge to members not attending the meeting.

Standing in for the Ad Hoc Constitutional Revision Committee Chairman Bob Hillman, Scott Siddall announced that the proposed revisions to the NSA Constitution have been completed. A copy of the revised constitution, and an explanation of the proposed changes, will appear in the next (Ballot) issue of the newsletter. All members will have an opportunity to vote to either accept or reject the proposed constitutional revisions at that time.

institutional subscriptions are being handled by Ms. Mary Ness. All correspondence regarding institutional subscriptions must be sent to: **The Journal of Shellfish Research, P.O. Box 465, Hanover, PA 17731.**

The latest development on the disposition of back issues of the **Proceedings of the National Shellfisheries Association** and the JSR now stored at the Gulf Coast Research Laboratory is as follows: Volume 45 (1954) through Volume 70 (1980) of the **Proceedings of the National Shellfisheries Association** (25 volumes in all) will be available to NSA members for a price of \$3 per volume or a special price of \$25 for the entire 25 issue set. Some copies of "Convention Papers" from meetings prior to 1954 are also available. Anyone interested in obtaining individual copies or the entire set of the old proceedings should contact Secretary-Treasurer Ed Rhodes to place an order. Surplus issues of the journal will be available to NSA members at a later date.



## Election Results for the 1987-88 EXCOM Officers Announced

### President (Elected in 1986)

John J. Manzi  
Marine Resources Research Institute  
P.O. Box 12559  
Charleston, SC 29412  
(803) 795-6350

### President-Elect

Roger Mann  
Virginia Institute of Marine Science  
Gloucester Point, VA 23062  
(804) 642-7360

### Vice-President

Scott E. Siddall  
Marine Science Research Center  
State University of New York  
Stony Brook, NY 11794  
(516) 632-8668

### Secretary-Treasurer

Edwin Rhodes  
National Marine Fisheries Service  
212 Rogers Ave.  
Milford, CT 06460  
(203) 783-4200

### Member-at-Large (1987-1990)

Diane Brousseau  
Department of Biology  
Fairfield University  
Fairfield, CT 06430  
(203) 254-3137 ext. 2739

With the election of the 1987-88 EXCOM officers, all members are reminded to now send correspondence, questions, etc. about membership matters to the new NSA Secretary-Treasurer Ed Rhodes.

## Summary of the 1987 Annual Business Meeting

Thirty-five members were present for the business meeting held on Wednesday, Aug. 12. President Bob Malouf thanked those members who had carried out various jobs in the organization during the year. Special thanks went to the Local Arrangements Committee: Brian Muise, Rene Lavoie, Gary Newkirk, Cyr Courtier, Robert Elner, John Tremblay, Joan Kean-Howie, Ann Moore, Paul Budreski and Peter Darnell; the Program Committee: Roger Mann, Thomas Soniat and Scott Gallager; and Secretary-Treasurer Scott Siddall (meeting registration) for their collective efforts to make the Halifax meeting a successful one.

President Malouf was pleased to report that the close of the year sees the Association with more active members than ever before, with the journal on schedule after years of hard work by many individuals of the Association and with record attendance at one of the best annual meetings — an event we organized and managed ourselves. Bob noted that there remains a great deal of work ahead, such as renewing our longstanding association with the Shellfish Institute of

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## 1987 Business Meeting

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North America, the industry group whose perspective we need. He also cited the need to make improvements in the journal now that it is on schedule and to involve more new members in our organization.

Secretary-Treasurer Scott Siddall reviewed expenditures, revenues and fund balances noting that excess revenues in 1986-87 were due principally to increased members' dues payments and delayed payments for production costs of the journal into the next fiscal year. Scott also indicated that the budget has nearly doubled as a result of revenues and expenditures associated with the annual meeting.

Scott also summarized the changes in membership over the last year. The Association's current membership includes 788 active members (only 83 of which are students) plus an additional 137 who have not yet paid their 1987 dues.

Site and Registration Committee Chairman John Manzi reported that arrangements are underway for the 1988 meeting in New Orleans, LA. He also reported on plans to hold the 1989 meeting in conjunction with the World Aquaculture Society and the American Fisheries Society at the Aquacul-

ture '89 conference in Los Angeles in February 1989.

President Bob Malouf then presented the gavel to incoming President John Manzi, who presented Bob with a plaque honoring his service to the Association. President Manzi appointed the following individuals to serve as committee chairmen and members:

<b>Audit-Budget-Finance:</b>	George Abbe
<b>Honorary Membership:</b>	Bob Malouf
<b>Membership:</b>	Jeff Kassner
<b>*Elections:</b>	Bob Malouf
<b>Program:</b>	Scott Siddall
<b>Publications:</b>	Michael Castagna
<b>Members:</b>	Roger Mann Sandra Shumway Robert Hillman Mel Carriker
<b>Resolutions:</b>	Diane Brousseau
<b>*Site Selection:</b>	Roger Mann
<b>*Arrangements:</b>	Ron Dugas Tom Soniat Scott Siddall Ed Rhodes Ken Chew

### NSA Representative to Aquaculture '89 Steering Committee:

\* Standing committees reorganized under the bylaws approved by the Executive Committee on Aug. 9, 1987.

## 80th Annual NSA Meeting — 1988

The next annual meeting of the National Shellfisheries Association is scheduled for Sunday, June 26, through Thursday, June 30, 1988 in New Orleans, LA. The meeting will be held at the Hotel Meridian - New Orleans located on Canal Street adjacent to the French Quarter. Ron Dugas and Tom Soniat are serving as co-chairmen of the Local Arrangements Committee. All questions about local arrangements should be directed to either:

Ron Dugas  
Louisiana Department of  
Wildlife and Fisheries  
400 Royal Street  
New Orleans, LA 70130  
(504) 568-5678  
or  
Tom Soniat  
Department of Biological Sciences  
University of New Orleans  
Lakefront, New Orleans, LA 70148  
(504) 286-7042

Scott Siddall, program chairman, suggests that members begin thinking now about a presentation for next year. Abstract forms and instructions will be sent out sometime in November and abstracts will be due in March. The following ideas for special session topics have been suggested: **Gulf Coast Oyster Industry, Shellfish and Public Health, Biology of *Macrobrachium*, Crawfish Biology and Culture.**

Please send comments, suggestions and/or questions about special session topics and the 1988 NSA Program to: **Scott E. Siddall, Marine Sciences Research Center, State University of New York, Stony Brook, NY 11794-5000, (516) 632-8668.**

## Contributions to the NSA Newsletter

The purpose of the NSA Newsletter is to develop communication between members of the NSA and to serve as a forum for the distribution of information of interest to the membership. The newsletter is published quarterly (spring, fall, winter and ballot—late winter) and prints items related to NSA business matters, the **Journal of Shellfish Research**, recent publications, future meetings, job opportunities, activities of NSA members and other professional societies and miscellaneous items of interest. All members are encouraged to submit materials for inclusion in the newsletter by March 1, Aug. 1, Nov. 1, and Jan. 15 of the appropriate quarter to: **John W. Ewart, Editor, National Shellfisheries Association Quarterly Newsletter, College of Marine Studies, University of Delaware, Lewes, DE 19958, (302) 645-4060.**

### National Shellfisheries Association, Inc. Proposed Budget 1987 — 1988 Fiscal Year Ending May 31, 1988

Budget Category	Proposed 1986-87	Actual 1986-87	Proposed 1987-88
<b>Revenues</b>			
Membership dues	\$ 9,000.00	\$12,237.00	\$10,000.00
JSR subscriptions	1,000.00	1,882.00	500.00
JSR page charges	1,500.00	1,700.00	1,000.00
JSR reprints	1,000.00	13.50	400.00
Proceedings, back issues	75.00	46.00	100.00
Meeting abstracts	250.00	235.72	-0-
Abstract page charges	500.00	-0-	1,000.00
Interest on accounts	400.00	447.20	400.00
Contributions	-0-	50.00	-0-
Miscellaneous	-0-	36.00	-0-
Special activities	1,000.00	976.00	1,000.00
Meeting registrations	-0-	-0-	7,000.00
Meeting events	-0-	-0-	4,500.00
<b>Totals:</b>	<b>\$14,725.00</b>	<b>\$17,651.42</b>	<b>\$25,900.00</b>
<b>Expenditures</b>			
JSR production/management	\$12,000.00	\$ -0-	\$14,650.00
Meeting abstracts	650.00	-0-	1,400.00
Newsletter printing	900.00	452.60	900.00
Other printing, copying	400.00	423.14	400.00
Postage	2,200.00	2,123.32	1,800.00
Postal permits	50.00	100.00	50.00
Secretarial services	200.00	-0-	100.00
Office supplies	500.00	704.71	500.00
Telephone	300.00	177.36	300.00
EXCOM expenses	150.00	25.15	150.00
Legal/accounting services	-0-	-0-	-0-
Award plaques	300.00	65.00	300.00
Bank charges	50.00	115.12	50.00
Miscellaneous	100.00	26.00	100.00
Reimbursements	-0-	291.50	-0-
Special activities	450.00	409.53	450.00
Meeting costs	-0-	1,726.25	4,700.00
Meeting events	-0-	-0-	3,500.00
<b>Totals:</b>	<b>\$18,250.00</b>	<b>\$ 6,639.68</b>	<b>\$29,350.00</b>



## Fritz Dazzles the Judges and Draws an Ace at the Max Poetry Sweatshop in Halifax

One of the more popular forms of evening relaxation among the citizens of Halifax is to head down to the one of several waterfront pubs to enjoy the company of friends, a few of those good tasting Canadian beers and some great Scottish/Irish folk music. Naturally, visitors to this very interesting city, especially NSA members, would be inclined to do the same thing.

Thus, a contingent of the Rutgers University Shellfish Research Laboratory from Bivalve, NJ, wandered into a local pub called the Privateer on Aug. 11 only to find that the Max Poetry Sweatshop was about to begin. The Sweatshop, organized by the BS Poetry Society and sponsored by the Canada Council-APF and Maxwell House Coffee, is a poetry competition where contestants are given a sheet of paper, a pen, a page from Roget's Thesaurus — and a half hour deadline. Ten semi-finalists are selected to read their poems to the crowd in the pub

and three finalists draw from a deck of cards to choose the winner.

Lowell Fritz thought he'd give it a try, so he entered the contest and put pen to paper. His poem:

### Muckworm

On bottoms of silt and sulfide,  
The noble muckworm resides.

With head full erect,

He said to the next,

"How 'bout it babe, your tube or mine?"

*(Stage direction: the last line should be spoken through the nose as if you 'ad an 'ead cold.)*

Composed Aug. 11, 1987, Privateer's Lower Level, Halifax, Nova Scotia, by the reigning poet deviate of the province, L. William Fritz, Bivalve, New Jersey.

Of course, Lowell's brilliant piece of creativity breezed to the finals where tension mounted as the contestants drew from the deck.

His card: Ace of Clubs

His prize: An all expenses paid trip to the 1988 Winter Olympics in Calgary to compete for the Gold, Silver or Bronze medal of the Poetry Sweatshop Olympics (a new event). Not bad, eh?

**Editor's Note:** I have the sad duty to report that just prior to going to press, it was revealed that Lowell was stripped of his title by the Canadian authorities (Poetry Sweatshop Judges). Apparently they felt that a Canadian citizen would be a more appropriate choice to represent Nova Scotia at the Calgary Olympics than a shellfish biologist from New Jersey, and justifiably so, although the wisdom of their decision is debatable. **Muckworm** was destined to go all the way and could have brought Nova Scotia gold and glory.

Well, don't let it get you down, Lowell. Attaining great heights of literary accomplishment requires patience, determination and a little pain along the way. There's a saying that the best things in life are worth waiting for, and I'm sure that if you continue to write poetry like this, you'll get everything you deserve.

### The Year Ahead

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time to reconcile the finances of our annual meeting before the books are closed each year.

### Budget

The Association's budget will now be organized around three cost centers: administration, publications, and annual meeting. In this way we can better assign revenues and expenses to their appropriate source. Our accounting will subsequently be more straightforward.

### New Committees

Several new study committees have been established including (a) the President's Committee (made up of all past presidents), which will policy issues and sensitive liaison with other organizations, (b) the Election Committee (most recent past president, current president, and president-elect), which will handle the Association's annual election handle and (c) the Site Selection Committee (president-elect as the chair), which will select a site for the next meeting for which a site has not been selected (usually two years ahead).

### The Newsletter

The newsletter will be upgraded to a larger issue with a different format. John Ewart is spearheading this upgrade and needs material — so start contributing short articles and whatever to John.

### Membership

Finally, we are organizing a strong membership drive this year. Jeff Kassner has agreed to chair the Membership Committee

and will need all the help he can get. If you can lend a hand, please contact Jeff at the Division of Environmental Protection, Town of Brookhaven, Patchogue, NY 11772, (516) 451-6455.

### Publications

Our Publications Committee (Mike Castagna, Chairman) has finally succeeded in getting JSR on time and on track. They will endeavor to keep it that way and to increase submissions. Please keep JSR in mind when you are considering journals for your next publication.

Well, that's it. There's obviously a lot of work to do and I'm sure the committee chairs would welcome any help you could offer. I'm looking forward to serving you as president of NSA and hope that the EXCOM's activities over the coming year will result in improved benefits for the Association and its membership.

Start making your plans for New Orleans!!

### Missing Members

Incoming NSA Secretary-Treasurer Ed Rhodes is trying to locate the following NSA members. If you happen to have any information such as a new address, etc., please send it to Ed.

Kashane Chalermwat, 3402 Pearl Street #13, U.S.M., Hattiesburg, MS 39401

David R. Chaisson, 73 Merrimac Rd. Dartmouth N.S., Canada B2W 4W7

Amy Edwards, University of Georgia, Athens, GA 30602

Dr. Thomas Hamor, 1440 17A St., Calgary, Alberta, Canada T2N 4T9

Dr. Darlene Madenwald, Western Washington University, Lindquist Marine Lab., 1900 Shannon Point Road, Anacortes, WA 98221

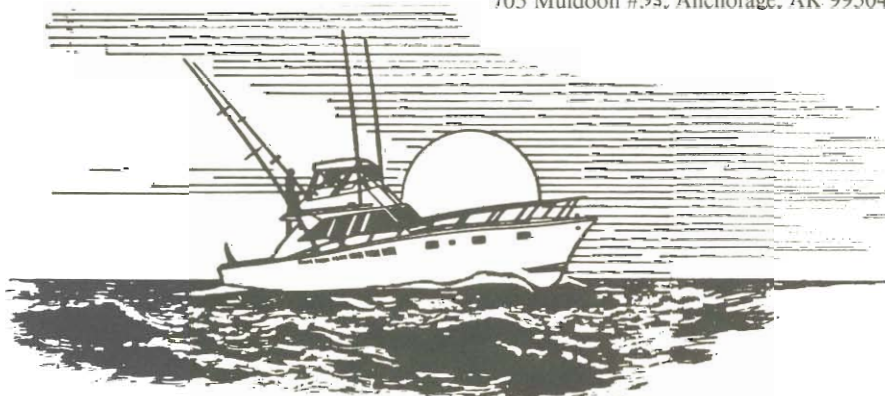
Mark Page, Marine Science Institute, University of California, Santa Barbara, CA 93106

Hugh J. Porter, 3407 Arendell Street, Moorehead City, NC 28557

Jim Roberts, 851 Camino Pescadero, Apt. 76, Goleta, CA 93117

Dr. Edwin H. Robinson Dept. of Wildlife and Fish. Sciences, Texas A&M, College Station, TX 77843

Paul Schwartz, Superior Fisheries of Alaska, 705 Muldoon #53, Anchorage, AK 99504





## Meetings, Courses, Etc.

**The Third International Colloquium on Pathology in Marine Aquaculture (PAMAQ)** will be held in Gloucester Point, VA, Oct. 2-6, 1988. For more information contact: Frank O. Perkins, Virginia Institute of Marine Science, College of William and Mary, Gloucester Point, VA 23062, (804) 642-7102.

**The Third International Symposium on Genetics in Aquaculture** has been scheduled for June 20-25, 1988 in Trondheim, Norway. Tentative plans call for four days of symposium sessions followed by an optional tour of local aquaculture enterprises. For additional information, contact: Dr. Trygve Gjerdem, Agricultural University of Norway, Animal Genetics and Breeding, Box 24 1432 As-NLH, Norway.

**The Crustacean Society** will hold its annual meeting Dec. 27-30, 1987, in New Orleans. For more information, contact: Ray Bauer, Center for Crustacean Research, USL Box 42451, University of Southwestern Louisiana, Lafayette, LA 70504.

**The Seventh International Pectinid Workshop** is scheduled to be held in Maine from April 20-25, 1989. Topics to be covered include: Fisheries and Cultivation, Biochemistry and Physiology, Genetics, General Biology and Ecology, and workshops in Fisheries Management, Cultivation and Biochemistry/Physiology/General Biology. Contributed papers and posters will be solicited from workshop participants. For more information, contact: Sandra Shumway, Department of Marine Resources, West Boothbay, ME 04575, (207) 633-5572.

**The World Aquaculture Society** will hold its annual meeting Jan. 4-8, 1988 in Honolulu, Hawaii. For more information, contact: WAS Home Office, 341 Pleasant Hall, Louisiana State University, Baton Rouge, LA 70803, (504) 388-3137.

The 41st annual meeting of the Pacific Coast Section of NSA and the Pacific Coast Oyster Growers Association (PCOGA) was held on Sept. 11 and 12, 1987, at the Coast Hotel in Nanaimo, British Columbia, Canada. The British Columbia Oyster Growers Association (BCOGA) also held their meeting concurrently.

The one and a half day meeting included 27 papers and two panel discussions. The panels were on public policy and aquaculture and market development and the promotion of cultured products. Over 250 attendees were at the meeting with an equal proportion of representatives from industry,

## Employment Opportunities

**Technical Assistant II** — The Shrimp Mariculture Project, Texas Agricultural Experiment Station, Texas A&M University has an opening for a technical assistant II in the ponds/raceway phase. The salary range for the position is \$10,400-\$12,850 annually dependent on qualifications. A high school diploma is required with a B.S. degree in biological sciences, plus related experience in aquaculture or agricultural work preferred. For more information contact: Dr. Addison Lawrence, Shrimp Mariculture Project, Texas A&M University, P.O. Drawer Q, Port Aransas, TX 78373, (512) 265-9201.

**Seafood Technologist** — The University of Georgia has an opening for a Seafood Technologist/Public Service Specialist. The specialist will emphasize development and implementation of extension education programs for seafood wholesalers and retailers, their employees and appropriate agency personnel in quality assurance, sanitation, good management practices, waste management and related seafood handling problems. For more information, contact: Associate Director, Marine Extension Service, University of Georgia, P.O. Box Z, Brunswick, GA 31523.

**Assistant Professor** — Southern Illinois University at Carbondale has an opening for an Assistant Professor of Zoology (12 month, tenure track) specializing in Fisheries Science, Aquaculture and/or Fisheries Management. For more information contact: Dr. Roy C. Heidinger, Chairman, Search Committee, Director, Fisheries Research Laboratory, Southern Illinois University at Carbondale, Carbondale, IL 62901, (618) 536-7761.

**Bivalve Hatchery Manager** — Minimum of B.S. in Fisheries or Zoology with demonstrated skills in algal and bivalve culture. This includes conditioning and spawning techniques, handling broodstock, larvae and juveniles. Care and maintenance of hatchery facilities. Must be familiar with experimental design, laboratory techniques,

computers and data analysis. Should have mechanical skills in plumbing, wiring and carpentry. Other responsibilities include: proposal and report writing; communication and cooperation with university staff, faculty and graduate students, governmental agencies and industry people; teaching one 3-hour 400 level course in shellfish hatchery techniques and management. Salary is negotiable with experience. To apply, submit a resume by Nov. 1, 1987 to: Dr. Kenneth K. Chew, Division of Aquaculture, School of Fisheries WH-10, University of Washington, Seattle, WA 98115.

**Director, Division of Applied Biology** — Harbor Branch Oceanographic Institution, Inc. Current activities of the division include environmental toxicology, mollusc, crustacean and seaweed mariculture. The successful applicant should be a Ph.D. level scientist with proven ability and interest in attracting extramural funding from government and/or industry sources; in addition to the capacity to handle administrative duties for a staff of approximately 20 people. The position will become available on Sept. 1, 1987; therefore applicants materials are requested as soon as possible. The actual employment start date, however, could be negotiated based on the successful candidate's current commitments.

Applicants for the position should submit a current resume, a list of publications and the names of three references to: Dr. Jay Langfelder, Managing Director, Harbor Branch Oceanographic Institution, Inc., 5600 Old Dixie Highway, Ft. Pierce, FL 34946.

**Position Sought** — 1987 Ph.D. seeks position for research on the population dynamics of molluscan species. Extensive experience with fisheries yield models, statistical analysis and field research. Al Debrot, University of Miami, 1239 Dickinson Dr. 902 Walsh, Coral Gables, FL 33146, (305) 284-2443.

## Pacific Coast Section of NSA

academia and government agencies. Presentation topics ranged from shellfish disease, to nutrition and artificial diets, to polyploids and to various individual fisheries.

The best student paper award and \$100 stipend went to Carolyn Friedman from the University of California, Davis, for her presentation entitled "Isolation of the Bacterium Causing Focal Necrosis (Fatal Inflammatory Bacteremia) in Pacific Oysters *Crassostrea gigas*."

Officers selected for 1988 were:

### Chairperson

Dr. Ralph Elston  
Battelle Northwest  
Marine Laboratory

### Vice-Chairperson

Ken Crooper  
Coast Oyster Company

### Secretary/Treasurer

Dr. Chris Langdon  
Hatfield Marine Science Center  
Oregon State University

### Members-at-Large

Jim Donaldson  
Coast Oyster Company  
Tom Bettinger  
Point Whitney Shellfish Laboratory  
Washington Department of Fisheries



## Victor L. Loosanoff (1899-1987)

It is with sadness that we note the death of Victor L. Loosanoff at his home in Greenbrae, California on June 15. Dr. Loosanoff was a pioneer in the field of oyster biology and, along with his colleagues at the Milford, Connecticut laboratory of the Bureau of Commercial Fisheries (now the National Marine Fisheries Service), he developed many of the methods now used routinely to culture marine bivalve molluscs.

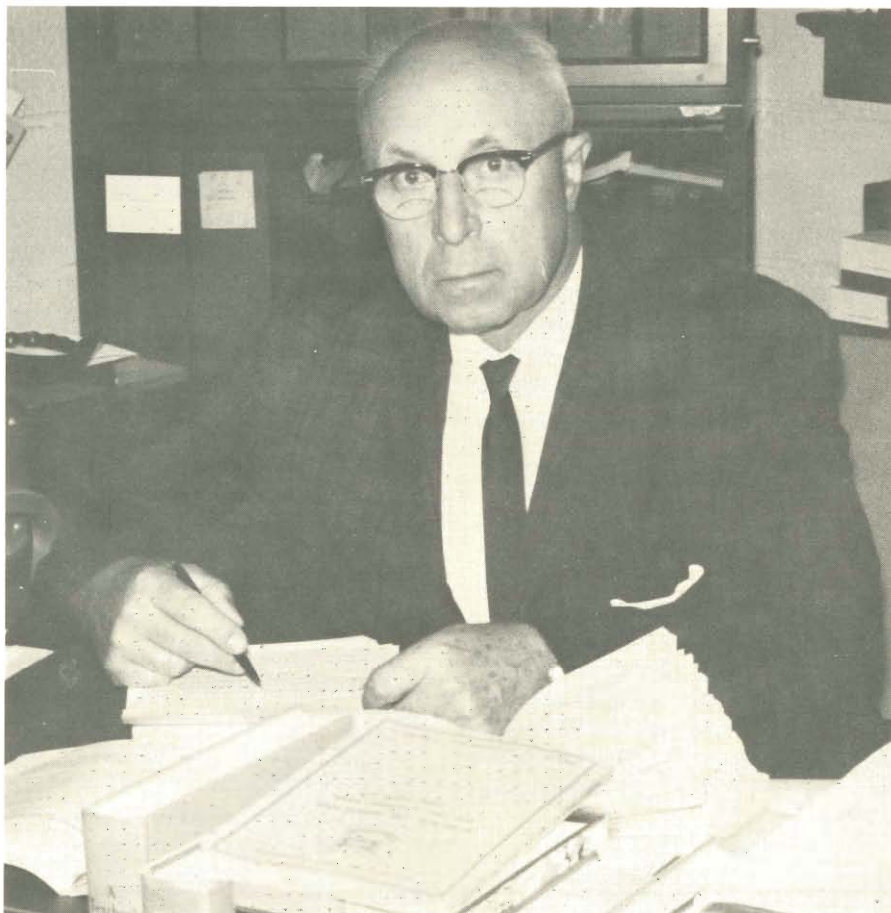
Dr. Loosanoff was born in Kiev, Russia to a military family and was sent to a military school at the age of 10. In his last year of cadet school at the age of 17, he joined the White Russian Army, fought in 116 engagements from the Volga River to China, and finally escaped into China in 1921. Victor Loosanoff then emigrated to the United States, landing in Seattle in 1922. He worked in the logging camps in the area and even did some wrestling to make additional money.

In 1924 he entered the University of Washington and ultimately ended up studying marine biology under the tutelage of Professor Trevor Kincaid. He graduated in 1927 and began work for the Washington State Department of Fisheries. In 1931 he obtained a position with the Virginia Fisheries Department. Less than a year later,

he was recruited by Dr. Paul S. Galtsoff to help establish a shellfish research laboratory in Milford. Dr. Loosanoff became director of the Milford laboratory in 1935 and served in that position for 27 years. He received his Ph.D. from Yale in 1936 studying under Wesley Coe.

In 1962 Dr. Loosanoff became a senior scientist with the Bureau of Commercial Fisheries and moved to the Tiburon, California laboratory. He also served as an adjunct professor at the University of the Pacific.

Dr. Loosanoff was an internationally recognized expert in the fields of oyster biology, bivalve ecology and mariculture. He was especially active in the National Shellfisheries Association, serving as its vice-president in 1947 and as president from 1948 to 1949. He became an honorary member of NSA in 1963. He was also an honorary member of the World Aquaculture Society. He published over 200 articles during a distinguished career and his work will remain an everlasting tribute to him. He is survived by his wife Tamara, with whom he has endowed a fellowship at the University of Washington to assist students involved in the study of marine invertebrates.



## Historian's Corner

- with Ed Rhodes -

The National Shellfisheries Association has had a long and illustrious history (we think!!!), but we have never documented our past very well. In fact, we have let some important anniversary dates slip right by us without appropriate parties and unabashed revelry. I'd like to begin to collect the available information from our past and eventually document our history in some written form. In the interim, I'll try to put some interesting vignettes in this newsletter column.

So, please send me originals or copies of documents or photos that may help to unravel NSA's past history. We changed our name in 1930 to NSA from the National Association of Shellfish Commissioners, so you might come across items with our old name that will be vitally important. Don't be bashful — anything may be of value.

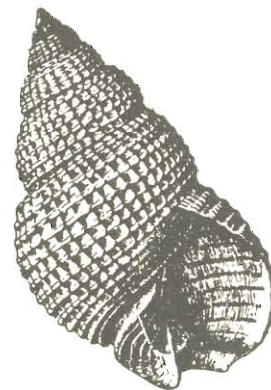
As Ernst Mayr said: "Most scientific problems are far better understood by studying their history than their logic." I hope the future notes on NSA history will be stimulating to all.

## Nova Scotia Shellfish Grounds Closed Due to Red Tide as NSA Meets in Halifax

In what was described as the most sweeping shutdown in ten years, two western Nova Scotia shellfish grounds were closed due to high levels of palytoxin shellfish toxin by the Canadian Department of Fisheries.

Harvesting of clams, mussels and quahogs by recreational and commercial fishermen was prohibited. It was estimated that 200-300 commercial clam diggers would be affected by the closure. Mussel harvesting in the Bay of Fundy has been banned all season because of contamination.

The Department of Fisheries' shutdown of the shellfish grounds just happened to coincide with this year's annual NSA meeting and special technical session on Toxic Algal Blooms. (Source: *The Chronicle-Herald*, Halifax, Canada)





# THE NATIONAL SHELLFISHERIES ASSOCIATION WANTS YOU !!

The National Shellfisheries Association (NSA) is an international organization of scientists, management officials and members of industry that is deeply concerned and dedicated to the formulation of ideas and promotion of knowledge pertinent to the biology, ecology, production, economics and management of shellfish resources. The Association has a membership of more than 900 from all parts of the USA, Canada and 18 other nations; the Association strongly encourages graduate student's membership and participation.

## WHAT DOES IT DO?

- Sponsors an annual scientific conference.
- Publishes the peer-reviewed *Journal of Shellfish Research*.
- Produces a Quarterly Newsletter.
- Interacts with other associations and industry.

## WHAT CAN IT DO FOR YOU?

- You will meet kindred scientists, managers and industry officials at annual meetings.
- You will get peer review through presentation of papers at the annual meeting.
- If you are young, you will benefit from the experience of your elders.
- If you are an elder, you will be rejuvenated by the fresh ideas of youth.
- If you are a student, you will make most useful contacts for your job search.
- If you are a potential employer, you will meet promising young people.
- You will receive a scientific journal containing important research articles.
- You will receive a Quarterly Newsletter providing information on the Association and its activities, a book review section, information on other societies and their meetings, a job placement section, etc.

## HOW TO JOIN

- Fill out and mail a copy of the application blank below. The dues are ONLY US \$18 per year (\$15 for students) and that includes the *Journal* and the Newsletter!

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Shellfishery interests: \_\_\_\_\_

Regular or student membership: \_\_\_\_\_

Student members only - advisor's signature REQUIRED: \_\_\_\_\_

Make cheques (MUST be drawn on a US bank) or international postal money orders for \$18 (\$15 for students with advisor's signature) payable to the National Shellfisheries Association and send to Edwin Rhodes, National Marine Fisheries Service, 212 Rogers Avenue, Milford, CT 06460 USA.

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