

# National Shellfisheries Association Quarterly Newsletter



President . . . . . Dr. Robert E. Malouf  
President-Elect . . . . . Dr. John J. Manzi  
Vice President . . . . . Dr. Roger Mann  
Secretary-Treasurer . . . . . Dr. Scott E. Siddall

Mr. John W. Ewart, Newsletter Editor  
College of Marine Studies  
University of Delaware  
Lewes, DE 19958

JANUARY 1987

LEWES, DELAWARE

## 79TH ANNUAL CONVENTION

The 79th annual meeting of the National Shellfisheries Association will be held in Halifax, Nova Scotia from Sunday August 9 through Thursday August 13, 1987. Negotiations with the hotel, Chateau Halifax, are nearing completion. Hotel rates will be \$70 (Canadian) for either a single or double room. Students will be housed, four to a room, for \$90 (Canadian). Alternative housing arrangements for students have also been made at a nearby dormitory for only \$14 (Canadian) per night. Special reduced rates on air fares are available through Air Canada. For more information, contact Air Canada's Convention Central desk at 1 800 361 7585. Meeting registration costs are not yet known, but charges are expected to be about the same as last year. A variety of activities are being planned including: a President's Reception, special seafood dinner, tours of local aquaculture facilities and a fashion show sponsored by a local furrier. Additional details about the meeting will appear in the spring issue of the Newsletter and a pre-registration packet that all NSA members will receive when arrangements have been finalized. John Manzi, NSA Site and Registration Committee Chairman, reports that the NSA Convention Coordinating Committee in Halifax (Brian Muise, Chairman, Gary Newkirk, Cyr Couturier, Robert Elner, Joan Kean, Paul Budreski and Rene Lavoie) is doing an outstanding job with local arrangements. Additional information about the annual meeting and planned activities in Halifax can be obtained by contacting:

Brian Muise, Chairman  
NSA Convention Coordinating Committee  
Nova Scotia Department of Fisheries  
P.O. Box 2223  
Halifax, N.S. B3J 3C4.  
Canada  
902 424 4560

## JOURNAL OF SHELLFISH RESEARCH

In the last issue of the NSA Newsletter (October 1986) it was announced that volumes 4 (1) and 4 (2) of JSR were mailed to members in September. As it turns out, only individual NSA members in the United States were included in this mailing. Shipment of JSR to institutional, Canadian, and other international NSA members was unfortunately delayed until December 1986. Because of this delay, you should receive your copies of volumes 4 (1) and 4 (2) in late December or January 1987. Dr. Ed Cake, former Managing Editor of JSR, Gulf Coast Research Lab, P.O. Box AG, Ocean Springs, MS 39564 is coordinating the mailing of JSR Volumes 4 (1) and 4 (2). Please contact Ed for information concerning the mailing date and/or replacement of unreceived copies of these two Volumes of JSR.

### CALL FOR PAPERS

This year's Program Chairman, Roger Mann (Virginia Institute of Marine Science, Gloucester Point, VA 23062 804 642 7360) has announced the deadline for TITLES AND ABSTRACTS as APRIL 1, 1987. Use the abstract forms included in this Newsletter following the instructions on the reverse of the forms. Abstracts must reach the Program Chairman no later than APRIL 1, 1987. The Program Chairman emphasizes that ABSTRACTS RECEIVED AFTER APRIL 1, 1987 WILL NOT BE CONSIDERED. To submit an abstract for inclusion in the annual meeting program, prepare one original (form) and transmit it and two (2) copies and your personal (or institutional check) for \$10.00 US (made out to NSA) to:

Dr. Roger Mann, NSA Program Chairman  
Virginia Institute of Marine Science  
Gloucester Point, VA USA 23062

Additional abstract forms may be obtained from Dr. Mann. Please indicate whether the abstract is for oral, poster, or either type of presentation. Please check the appropriate box if the first author is a student or recent graduate and, therefore, may be considered for the Thurlow T. Nelson Award. If you desire an acknowledgement of the receipt of your abstract, please enclose a self-addressed, stamped envelope. The final program will be published in the spring issue of the Newsletter scheduled for April/May.

### 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 four times a year (spring, fall, winter, and ballot -late winter-) and prints items relating to NSA business matters, the Journal of Shellfish Research,

recent publications, future meetings, job placement, activities of other professional societies, and miscellaneous items of interest. All members are encouraged to submit materials to the editor of the NSA Newsletter by March 1, August 1, November 15, and January 15 to have items included in the spring, fall, winter, and ballot issues respectively. Send material to:

John W. Ewart, Editor  
National Shellfisheries Association Newsletter  
College of Marine Studies  
University of Delaware  
Lewes, DE 19958  
302 645 4060

#### NEWS FROM COLOMBIA, SOUTH AMERICA

Universidad del Valle  
Cali, Colombia  
December, 1986

Esteemed Colleague:

We are planning a Latinamerican Malacological Congress in Cali, Colombia in February, 1988, and would be pleased to learn how many Latinamerican and North American malacologists could attend and present papers. We would thus very much appreciate it if you would respond with some information, indicating at least the general topic of your presentation, and return to:

Dr. Jaime Cantera K.  
Comite Organizador I Congreso Latinamericano de Malacologia  
Universidad del Valle, Departamento de Biologia, A.A. No. 25360  
Cali, Colombia, Sur America

Please include the following information; title of presentation, author(s), address of author(s), and aids required for the presentation: overhead projector or 35mm slide projector.

Cordially,

Melbourne R. Carriker for  
Dr. Jaime Cantera K.

#### NSA PRESIDENT MALOUF NAMED NEW YORK STATE SEA GRANT DIRECTOR

Bob Malouf, current President of The National Shellfisheries Association and Associate Professor of Marine Biology at the State University of New York, Stony Brook, was recently selected from a field of distinguished candidates to be director of the New York State Sea Grant Program. Bob will coordinate Sea Grant Program activities from the SUNY Stony Brook campus effective January 1, 1987 once transfer of the former Sea Grant office from Ithaca, NY to Long Island has been completed. Congratulations Bob.

## EMPLOYMENT OPPORTUNITIES

Dean of Agricultural Research and Director of the South Carolina Agricultural Experiment Station, Clemson University, Clemson, SC. This administrative position is responsible for the research program of the College of Agricultural Sciences, which includes eleven departments and four experiment stations. The candidate should have an earned doctorate in one of the agricultural sciences. Salary is commensurate with qualifications and experience. The deadline for applications is February 8, 1987, or until a suitable applicant is found. Applicants should submit a letter of application, complete resume, and names of five persons who will serve as references. Send to:

Dr. Richard O. Hegg, Head  
Agricultural Engineering Department  
Clemson University  
Clemson, SC 29634-0357.

Aquaculture Research Assistant I Mississippi State University, for research directed toward evaluating the commercial feasibility of redfish (red drum) culture in Mississippi. Duties include operational supervision of the redfish hatchery and the 26 pond research complex, assignment of work duties to assistants, and collection and analysis of data. Qualifications require a minimum of M.S. in aquaculture, fisheries, or a related field. Experience with finfish and/or crustacean culture is highly desirable. This is a full-time non-tenure track position with a February 1, 1987 anticipated starting date. Salary is commensurate with experience and academic training. Deadline for applications is December 31, 1986 or until a suitable applicant is found. Send letter of application, vitae, transcripts, and three letters of reference to:

Dr. Dale H. Arner  
Dept. of Wildlife and Fisheries  
P.O. Drawer LW  
Mississippi State, MS 39762  
601 325 3133.

Graduate Student Assistantship M.S. Fisheries Biology, University of Massachusetts. Growth, reproduction and bioenergetics of Iceland scallops. This study requires a mature individual who can work with commercial fishermen and the National Marine Fisheries Service. This project is funded and work begins July, 1987. The assistantship is \$6,500 per year with complete tuition waiver. Minimum requirements: Undergraduate GPA of B or better, 70th percentile on all sections of the GRE's. Contact:

Dr. L. Deegan  
Dept. of Forestry and Wildlife Management  
University of Massachusetts  
Amherst, MA 01003  
413 545 2757.

Position Sought 1980 graduate with background in marine biology research, natural history and aquatic biology seeks growth oriented position with a commercial hatchery. I have some experience with shrimp, but I am interested in new species and new methods. Capable! Flexible! Enthusiastic! Larry Abbott, 103 Huckleberry Lane, Dothan, AL 36303.

#### INSTRUCTIONS FOR JOB PLACEMENT SECTION

Employment opportunities in shellfish research, management and industry, including graduate student assistantships, and personal summaries for individuals seeking employment in these fields will be listed in the Newsletter. Employment openings should be described in no more than 300 words and personal summaries should not exceed 150 words. We cannot guarantee that employment announcements will appear before posted closing dates. Anonymous postal box returns are available for persons not wishing to publicize their search for employment.

Please forward descriptions of positions available or sought to:

John W. Ewart  
College of Marine Studies  
University of Delaware  
Lewes, DE 19958  
302 645 4060

#### FUTURE MEETINGS

AQUACULTURE EUROPE '87 The European Aquaculture Society (EAS) and Expoconsult will sponsor Aquaculture Europe '87, an international aquaculture conference and exhibition, to be held June 2-5, 1987 at the RAI Conference Center in Amsterdam, The Netherlands. The meeting agenda will include invited review papers, contributed papers, panel discussions, poster session and a trade exhibition. For further information, contact:

European Aquaculture Society (EAS)  
Prinses Elisabethlaan 69  
B- 8401 Bredene, Belgium  
TEL. 32 59 32 37 15

AQUACULTURE ASSOCIATION OF CANADA April 29 to May 7, 1987, Quebec City. For further information, contact:

Paul - Emile Lafleur  
Ministry of Agriculture, Fisheries and Food  
96 Montee Sandy - Beach CP 1070  
Gaspé, Quebec G0C 1R0  
Canada

ESTUARINE RESEARCH FEDERATION Ninth Biennial Conference November 1-5,  
1987; New Orleans, LA. For further information, contact:

Donald F. Boesch  
Louisiana Universities Marine Consortium  
Cocodrie Star Rt., Box 541  
Chauvin, LA 70334  
504 851 2800

HOFSTRA UNIVERSITY CONFERENCE Shellfishing and Coastal Resource  
Management: A Global Perspective August 19-21, 1987, Hempstead, NY. For  
further information, contact:

Dr. Terry Baker, Associate Dean  
School of Education  
Hofstra University  
Hempstead, NY 11550  
516 560 5742

# The National Shellfisheries Association

c/o Dr. Roger Mann  
Virginia Institute of Marine Science  
Gloucester Point, Virginia, USA 23062  
(804) 642-7360

1987 Annual Meeting of NSA  
Halifax, Nova Scotia  
August 9-13, 1987



## INSTRUCTIONS FOR ABSTRACT FORMS

(ABSTRACTS FOR PAPERS MUST REACH THE PROGRAM CHAIRMAN BY 1 APRIL 1987)

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Abstracts will be selected for inclusion in the program on the basis of significance in fields of shellfish research, informative nature, and broad interest. Subject matter must not have been previously published. The first author will be notified in writing concerning the acceptance of the abstract for inclusion in the program.

A page charge of \$10.00 will be assessed for each abstract accepted. A \$5.00 charge will be assessed if the abstract has to be retyped because of errors, etc.

## PREPARING THE ABSTRACT

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The accompanying abstract form can be used for both oral and poster presentations. The entire abstract must be placed within the 12- by 18-cm rectangular outline. The space is designed to accommodate an average of 250 words typed with a standard ELITE typeface. A reproduction of the

abstract form is NOT ACCEPTABLE. When using abbreviations, spell out in full at first use, followed by the abbreviation in parentheses. Any symbols, such as Greek letters, not on your typing element must be drawn in by hand in BLACK INK. REMEMBER, your abstract will appear in the program EXACTLY as you submit it; any erasure smudges, errors, misspellings, poor hyphenations, and deviations from good usage will be glaringly apparent in the published abstract.

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Please check method of presentation:  Verbal Presentation  Poster Presentation  Either  Student/Recent Grad

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SAMPLE TO SHOW STYLE

REPRODUCTIVE CYCLE OF MERCENARIA MERCENARIA IN A SOUTH CAROLINA ESTUARY.

EVERSOLE,\* Arnold G., MICHENER, W. K., Department of Entomology and Economic Zoology, Clemson University, Clemson, South Carolina 29631; ELDRIDGE, Peter J., Marine Resources Research Institute, Charleston, South Carolina 29412.

Hatchery seed of Mercenaria mercenaria planted at two tidal locations and at three clam densities were sampled over a 3-year period. Gonadal development was determined histologically and related to clam size and experimental treatments. Male gametogenesis preceded female development and a 9.5:1.0 male-to-female sex ratio occurred during the first year of the experiment.

Shell length, tissue wet weight, and internal shell volume varied significantly between sexes and development stages of clams. Females were larger, weighed more, and had more space within the shell than males. No histological differences were detected between clams from different densities or tidal locations. Age, size, and sex relationships to gonadal development are presented with a discussion of seasonal gonadal changes.



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# 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 nearly 800 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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### NATIONAL SHELLFISHERIES ASSOCIATION – APPLICATION FOR MEMBERSHIP (NEW MEMBERS ONLY)

Name: \_\_\_\_\_ For the calendar year: \_\_\_\_\_ Date: \_\_\_\_\_

Mailing address: \_\_\_\_\_

Institution affiliation, if any: \_\_\_\_\_

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 Scott E. Siddall, Secretary-Treasurer, Marine Sciences Research Center, State University of New York, Stony Brook, NY 11794-5000 USA.

John W. Ewart  
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University of Delaware  
Lewes, DE 19958

Bulk Rate  
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Sandra Shumway  
Department of Marine Resources  
West Boothbay Harbor

ME 04575

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