

# National Shellfisheries Association

## QUARTERLY NEWSLETTER

CALL FOR PAPERS - LATE SUMMER 1999



ST. JOHN'S, NEWFOUNDLAND

### President's Message

The 92<sup>nd</sup> Annual NSA Meeting, to be held in Seattle, Washington on March 19-23, 2000, is shaping up to be one of the best yet. Ken Chew and Joth Davis, who are heading up the Local Arrangements Committee, have selected a great venue for the meeting - the Crown Plaza Hotel in downtown Seattle. Program Chair Chris Langdon has assembled an extremely able Program Committee that has developed an exciting agenda of both special and contributed session topics, covering the areas of biology, ecology, aquaculture, fisheries management, and education. (He has even hoodwinked me into chairing one of the special sessions!) You will find an accompanying article providing more details. It is extremely important that you note the CALL FOR PAPERS which is included in this issue of the *NSA Newsletter* and the date for submission of abstracts (**December 3, 1999** for contributed papers and **November 15, 1999** for invited presentations).

Joth Davis has tentative plans in the works for a couple of "field trips" for the weekend preceding the formal start of the meeting. Although the details are yet to be finalized, a tour of a number of shellfish hatcheries located in the greater Seattle area and a "hop" to several of Seattle's oyster "bars" are being explored. Should be a good combination of education, entertainment, and eating. Further details will be available at a later date.

The NSA has always encouraged and treasured the involvement of students in all of its activities. The NSA Board continues to work to improve the opportunities and enhance the benefits of student membership. One way in which NSA encourages student participation at its annual meetings is through the Student Travel Awards and Student Presentation Awards competitions. The Student Travel Awards are provided to students to offset the costs of meeting registration, accommodations, and/or travel. The Student Presentations Awards are given for the best oral and poster presentations of the student's own original research. So, STUDENTS, please note that the application for these awards for the Y2K NSA meeting is included in this newsletter.

*continued on page 2*

### First Call For Papers Seattle 2000

The next annual meeting of NSA will be held at the Crown Plaza Hotel, Seattle, from March 19<sup>th</sup> to March 23<sup>rd</sup>. Presentations and special sessions will be given on Monday March 20<sup>th</sup> to noon Thursday March 23<sup>rd</sup>. NSA meets on the West Coast infrequently so this meeting will be an opportunity to compare what's happening on the West Coast with activities on the East and Gulf Coasts. Please start thinking about what poster or oral presentation you would like to contribute and send in your abstract. If you have an idea for a special session, please contact me at [chris.langdon@hmsc.orst.edu](mailto:chris.langdon@hmsc.orst.edu) or tel. 541-867-0231.

The meeting is shaping up nicely. We have planned special sessions with invited speakers that will focus on major shellfish issues and research subjects. In addition, Ken Chew is organizing an especially fabulous Chinese banquet and Joth Davis is planning a tour of Seattle's oyster bars - there will be lots to stimulate the palate as well as the mind at this meeting! Many thanks to the organizing committee who have already put lots of work into making sure Seattle 2000 will be very successful meeting.

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#### ***In this issue:***

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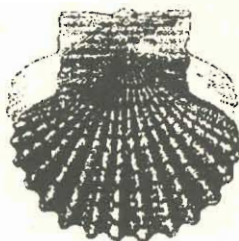


*continued from page 1 - President's Message*

You will find the most recent version of the NSA By-laws included in this issue of the *NSA Newsletter*. You'll see that there are a number of tasks that the NSA Board and Committee Chairs and members must undertake in order to make NSA function, and we are always looking for new faces to become involved in the workings of the association. Remember, everything that it takes to maintain and enhance the operation of the association and the delivery of member services is done on a volunteer basis. If you are interested in becoming involved, please contact me.

I want to encourage each and every one of you to begin making your plans for Seattle. This 92<sup>nd</sup> annual meeting will represent the first to be held in the new millennium (or, technically, will that honor fall to the 93<sup>rd</sup> annual meeting?).

Rick DeVoe  
President



*continued from page 1 - Call for Papers*

Abstracts for contributed sessions must be received by **December 3<sup>rd</sup> 1999**. Invited speakers of special sessions must submit abstracts to the session organizer by **November 15<sup>th</sup> 1999**. These deadlines are very firm because the program will have to be published quickly to be ready for the earlier-than-usual meeting. Instructions for preparing and submitting abstracts are given later in this *NSA Newsletter*. Please read them carefully.

See you in Seattle!

Chris Langdon  
Vice - President and Program Chair

## Invited Sessions and Forums - Seattle 2000

### Sessions

Genetics and breeding

Organizer: **Dennis Hedgecock**

(dehedgecock@ucdavis.edu), tel. 707-875-2075.

Feeding and nutrition

Organizer: **Dan Kreeger** (kreeger@say.acnatsci.org), tel. 215-299-1184.

Shellfish health

Organizer: **Ralph Elston** (aquatech@olypen.com), tel. 360-681-3122.

Phytoplankton and bacteria harmful to human health

Organizer: **Ian Whyte** (whytei@pac.dfo-mpo.gc.ca), tel. 250-756-7007.

Invasive exotic marine species

Organizer: **Brett Dumbauld** (dumbabrd@dfw.wa.gov), tel. 360-665-4166.

Functional role of bivalves in estuaries

Organizer: **Roger Newell** (newell@hpl.umces.edu), tel. 410-221-8410.

Technological advances in molluscan aquaculture

Organizer: **Joth Davis** (jdavis@wolfenet.com), tel. 206-842-0894.

Marine invertebrate fisheries management

Organizer: **Dick Burge** (burgerb@dfw.wa.gov), tel. 360-586-1498.

Managing shellfish culture in coastal waters

Organizer: **Rick DeVoe** (devoemr@musc.edu), tel. 803-727-2078.

Education

Organizer: **Teri King** (guatemal@u.washington.edu).

### Forums

Bivalve culture and habitat for endangered species (salmon)

Organizers: **Dan Cheney** (chenedp@compuserve.com), tel. 360-754-2741 and **Bill Dewey** (bdewey@olywa.net), tel. 360-426-6178.

Technology transfer from research to industry

Organizer: **Joth Davis** (jdavis@wolfenet.com), tel. 206-842-0894.

Gulf Coast Industry Program

Organizer: **John Supan** (jsupan@lsu.edu), tel. 225-388-6527.



# **FIRST CALL FOR PAPERS –** **SEATTLE 2000**

The next annual meeting of NSA will be held at the Crown Plaza Hotel, Seattle, from March 19<sup>th</sup> to March 23<sup>rd</sup>. Presentations and special sessions will be given on Monday March 20<sup>th</sup> to noon Thursday March 23<sup>rd</sup>. NSA meets on the West Coast infrequently. This meeting, therefore, will be an opportunity to compare what's happening on the West Coast with activities on the East and Gulf Coasts. Please start thinking about what poster or oral presentation you would like to contribute and submit an abstract. If you have an idea for a session, please contact me at [chris.langdon@hmsc.orst.edu](mailto:chris.langdon@hmsc.orst.edu) or tel. 541-867-0231.

## **INSTRUCTIONS FOR ABSTRACTS**

Please read the instructions carefully as they are a little different from previous years.

**Instructions for contributed papers:** For those who wish to contribute an oral presentation or a poster but who are not an invited speaker of special sessions, please follow instructions below for preparing the abstract. Abstracts must be received by **December 3<sup>rd</sup> 1999**.

1. **Oral Presentations:** Send your abstract and abstract publication fee (US\$20) to: Dr. Chris Langdon, Hatfield Marine Science Center, Oregon State University, Newport, Oregon 97365. Fax submissions (Fax 541-867-0105) will be accepted but you must also send the original and abstract publication fee in the mail. Students who wish to be considered for the Nelson Award should indicate their student status.
2. **Poster Presentations:** Send your abstract and poster publication fee (US\$20) to Dr. Chris Langdon, Hatfield Marine Science Center, Oregon State University, Newport, Oregon 97365. Fax submissions (Fax 541-867-0105) will be accepted but you must also send the original and abstract publication fee in the mail. Students who wish to be considered for the Poster Award should indicate their student status.

**Instructions for Invited Papers:** If you have been invited to present a talk in one of the special sessions, please follow the instructions for preparing the abstract, then send your abstract and abstract publication fee (US\$20) to your session organizer. Abstracts must be received by **November 15<sup>th</sup> 1999**.

## **A PAGE CHARGE OF US\$20 MUST BE SUBMITTED WITH EACH ABSTRACT.**

Please note that the abstracts and abstract fee are to be sent to the program or session chair. The abstract fee must be paid in order for your abstract to be published in the *Journal of Shellfish Research*.

## **PREPARING THE ABSTRACT**

All accepted abstracts will be re-typed and included in the *Journal of Shellfish Research*; therefore, it is not necessary to have abstracts in camera ready form. However, it is essential that abstracts comply with the instructions below.

The abstract form may be reproduced and used in lieu of the original. Type the title (all capitals) and name(s) of author(s) and address(es), punctuating as shown in the accompanying example. An asterisk (\*) should be placed after the last name of the author presenting the paper. **DOUBLE SPACE** all typing on the abstract form. Do not leave more than one space between the title information and the body of the abstract. The body of the abstract should be indented.

The entire abstract must be placed within the rectangular outline of the abstract form. **THE SPACE IS DESIGNED TO ACCOMMODATE AN AVERAGE OF 250 WORDS TYPED DOUBLE SPACE WITH A SIZE 10 TIMES NEW ROMAN FONT.** When using abbreviations, spell out in full first, followed by the abbreviation in parentheses. **PLEASE PROOF-READ ABSTRACTS BEFORE SUBMISSION.**

The accompanying abstract form can be used for both oral and poster presentations; specify the preferred method of presentation in the space provided on the form. Check the appropriate box if the author is student or recent graduate and is eligible for the Thurlow C. Nelson Award or Poster Award.

In order to maintain and expand student participation in the Association, a Student Endowment Fund has been established. For those students wishing to apply for travel support for presentation of paper or poster, please fill out a Endowment Fund application form and submit it with your abstract to Dr. Maureen Krause or Dr. Aswani Voley as detailed in the accompanying article.

Prepare one original abstract form and send it with check (personal or institutional) or money order for US \$20 (checks must be drawn on a US bank and made out to the NSA), to Program Chair Dr. Chris Langdon at the address above or one of the session chairs (if applicable). Abstracts for the contributed sessions must be received by **December 3<sup>rd</sup> 1999** and abstracts for special sessions with invited speakers must be received by the session organizer by **November 15<sup>th</sup> 1999**.



SIZE AND DEPTH DEPENDENT LARVAL MORTALITY: A MODELING STUDY.

Margaret M. Dekhenieks,\* Eileen E. Hofmann, and John M. Klinck, Center for Coastal Physical Oceanography, Old Dominion University, Norfolk, VA 23529; Eric N. Powell, Haskin Shellfish Research Laboratory, Rutgers University, Port Norris, NJ 08349.

The rates of mortality for larval stages of most marine organisms are difficult or impossible to measure, and as a consequence are largely unknown. This is problematic since mortality, in particular predation loss, is an important process determining recruitment and the structure of marine communities. Simulation models provide one means of testing the effects of different mortality losses on population structure. Thus, a time and depth-dependent model of the growth and behavior of larvae of the Eastern oyster, *Crassostrea virginica*, was developed to investigate the effects of different predation strategies on the survivorship of this species. Simulations that included a size-dependent mortality showed that the largest number of larvae survive to settlement size if predation loss decreases with larval size. Simulations that included depth-dependent predation loss showed that more larvae survive to settling size when predation is concentrated in surface waters. However, few larvae survive if benthic predation rates are high or if predation rates are constant with depth. Simulation results clearly illustrate the differences in larval survivorship resulting from variable size and depth dependent predation mortality.

Abbreviated title: Size and depth dependent mortality

(seven words or less)

First author's mailing address: same  
(if different from above)

Telephone: 804-683-5550 Email: deks@ccpo.odu.edu

Preferred Method of presentation: ☒ Oral ☐ Poster ☐ Either

Is this an invited paper for a special session? ☐ Yes ☒ No If yes, which? \_\_\_\_\_

IS FIRST AUTHOR A STUDENT OR RECENT GRADUATE? ☒ Yes ☐ No

(all student authors are eligible for the Thurlow C. Nelson Award or Poster Award)

Abbreviated title: \_\_\_\_\_  
(seven words or less)

First author's mailing address: \_\_\_\_\_  
(if different from above)

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

Preferred Method of presentation: \_\_\_\_\_ Oral \_\_\_\_\_ Poster \_\_\_\_\_ Either \_\_\_\_\_

Is this an invited paper for a special session? \_\_\_\_\_ Yes \_\_\_\_\_ No If yes, which? \_\_\_\_\_

IS FIRST AUTHOR A STUDENT OR RECENT GRADUATE? \_\_\_\_\_ Yes \_\_\_\_\_ No

(all student authors are eligible for the Thurlow C. Nelson Award or Poster Award)



## **NATIONAL SHELLFISHERIES ASSOCIATION** **STUDENT ENDOWMENT FUND**

The National Shellfisheries Association Student Endowment Fund was established in 1989 to maintain and expand the participation of students in the Association. Contributions for the Fund are tax-deductible and are used to defray the costs associated with presenting oral and poster presentations at the Annual Meeting. The funds are administered by an appointed committee which reviews student applications and makes recommendations for disbursement of funds.

### **STUDENT ENDOWMENT/AWARDS SEATTLE 2000**

Students participating in the 2000 meeting in Seattle are invited to apply for both **travel awards** and **presentation awards**. For consideration for either award, students must present only their original research. Recent graduates will also be considered if they present only research gathered while a student. A short description of these awards and the requirements for consideration follow. Please note that incomplete applications may not receive equal consideration for either type of award.

### **PRESENTATION AWARDS**

At every annual meeting, the best oral and poster presentations by students are acknowledged.

The **Thurlow C. Nelson Award** is to be given for the outstanding **oral** presentation of research that represents a distinctive and valuable contribution to shellfisheries science. The award is named after the distinguished shellfish biologist who served as NSA President from 1931 to 1933 and contributed more than 125 papers, many relating to oyster biology. The award includes a certificate of accomplishment and membership for four years in the Association. Oral presentations are judged on the following aspects: a) written abstract, b) scientific content and relevance, c) oral and visual aspects of the presentation, and d) handling of questions.

The **NSA Student Poster Award** is to be given for an outstanding **poster** presentation of research that represents a distinctive and valuable contribution to shellfisheries science. The award includes a certificate of accomplishment and membership for one year in the Association. Poster presentations are judged on the following aspects: a) written abstract, b) scientific content and relevance, c) quality of figures and text, and d) handling of questions.

### **STUDENT TRAVEL AWARDS**

To facilitate the active participation by students in the 2000 meeting, travel awards will be granted to cover either registration and/or lodging. These funds are competitively awarded based primarily on abstract quality and content, and secondarily on financial need (i.e., distance of travel, support level).

## **AWARD REQUIREMENTS**

Students will only be considered for travel and presentation awards if they complete all of the following items. Students who do not need travel assistance but still wish to be considered for a presentation award **must** still complete these tasks.

1) Fill out the abstract submission form. Check the appropriate box(es) on the abstract submission form requesting consideration for student presentation and / or travel awards.

2) Fill out the Student Endowment Award application form below (page 7).

3) Obtain one letter of recommendation from your advisor or other faculty mentor.

4) Enclose the Student Endowment Award Application in a separate envelope addressed to the Student Awards Committee. The application should consist of a) the **Endowment Award application form**, b) **letter of recommendation** and c) a **copy of the abstract** submission form.

5) Mail your complete set of Student Endowment Award application materials to Dr. Maureen Krause or Dr. Aswani Volety (contact information on back page) by the **abstract deadline December 3, 1999**.

Remember that the original abstract, abstract submission form and fee should be submitted to the Program Chair, Dr. Chris Langdon, at the address listed on page 3 (or session chair if applicable). Please forward any questions concerning student awards to either Aswani Volety or Maureen Krause (contact information on back page). Good Luck!

## **Metamorphoses**

• **Dr. Alan Ansell** passed away recently, in July 1999. Dr. Ansell was an eminent shellfish ecologist who was formerly with Dunstaffnage Marine Research Station in Oban, Scotland. A full biography will be published in a future issue of the *Journal of Shellfish Research*.

• **Dr. John Laurence McHugh** passed away on August 20, 1999. Dr. McHugh served as the third director of the Virginia Fisheries Laboratory (the predecessor of VIMS) and as Professor of Marine Biology, College of William and Mary from 1951-59. From 1959-70, he served the Bureau of Commercial Fisheries as Chief, Biological Research Division Assistant Director, Biological Research and Acting Director, Office of Marine Resources. From 1970 to 1984 he was Professor of Marine Resources, Marine Sciences Research Center, State University of New York. Dr. McHugh's family hopes to establish a VIMS fellowship in Fisheries Science. A full biography will appear in the *Journal of Shellfish Research*.



## **Judges Wanted for Student Endowment Fund Awards**

The NSA is committed to helping our undergraduate and graduate students become active in the field of shellfish research and in our association. We do so by encouraging students to attend and present at annual meetings. Most of you have probably taken part in one of our fabulous and audacious auctions to benefit the Student Endowment Fund, or have purchased hats, cookbooks, pins and mugs, with the proceeds benefitting the SEF. Do you know where that money goes? The Student Endowment Fund of NSA provides travel and registration assistance to students presenting at our Annual Meetings and to fund the Thurlow Nelson Award for Best Student Oral Presentation and the Best

Poster Award. Both travel and presentation awards are competitive, and that's where YOU come in. The Student Awards Committee needs your help in judging applications for travel awards and for student presentations at NSA '99 in Halifax. If you are willing and able to serve as a judge for either competition, please contact one of the co-chairs of the Student Awards Committee, Dr. Aswani Volety, or Dr. Maureen Krause (contact information on back page).

Faculty advisors – Don't forget to remind your students to apply for SEF awards before the abstract submission deadline (**December 3, 1999**)!



### **STUDENT ENDOWMENTS AND AWARDS**

#### **APPLICATION FOR THE 92nd ANNUAL MEETING OF THE NATIONAL SHELLFISHERIES ASSOCIATION Seattle, Washington, March 19-23, 2000**

NAME: \_\_\_\_\_

INSTITUTION: \_\_\_\_\_

DO YOU WANT TO BE CONSIDERED FOR A PRESENTATION AWARD? YES NO (Circle one)

DO YOU WANT TO BE CONSIDERED FOR A TRAVEL AWARD? YES NO (Circle One)

PRESENTATION FORMAT: ORAL POSTER (Circle one)?

PRESENTATION TITLE (Attach a copy of abstract form):  
\_\_\_\_\_  
\_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

REFERENCE (Advisor / Mentor): \_\_\_\_\_

APPLICANT'S SIGNATURE: \_\_\_\_\_

**DEADLINE FOR RECEIPT OF APPLICATION IS DECEMBER 3, 1999!**



## Recruits Corner

The National Shellfisheries Association has a strong tradition of fostering the academic and professional development of NSA student members, who are appropriately termed The Recruits. The Recruits are a vital part of NSA and are involved in many of the Association's endeavors. This year we wish to further increase the amount of student participation in NSA by encouraging students to attend the upcoming meeting in Seattle and to contribute to The Recruits section of the NSA web page.

Last years meeting in Halifax was extremely informative and a great deal of fun... I can't imagine that this year's meeting would be anything less. I am hoping for a great student turn out for this year's meeting in Seattle. NSA meetings provide a professional but comfortable atmosphere to present and discuss your research with scientists and students from around the world. And, perhaps the best part of an NSA meeting is getting the chance to see people out on the dance floor whose names you only knew from books and journal articles.

One of the outcomes of last years meeting is The Recruits portion of the web site, which is up and running. It can be viewed at [www.shellfish.org/recruits.htm](http://www.shellfish.org/recruits.htm) The Recruits page allows you meet overseas students, discuss research problems and solutions, see who has completed their degree programs, and share your experiences of working in the shellfisheries science community. We still need contributions to all of these sections so if you get a chance please feel free to send us your stories.

We hope to have the student forum portion of the web page up and running in the near future. This will be a site for NSA students to propose questions to and carry on conversations with each other. It will hopefully be finished soon so that it can be utilized for such things as finding roommates and coordinating travel plans in association with this year's meeting.

Finally, I would like to stress that The Recruits committee is here to respond to student needs. If you have any questions or comments please do not hesitate to contact me or any of the other Recruits committee members.

Lisa Milke



## New Publication Shellfish World magazine

A new shellfish magazine is being produced by Gracey Communications Inc. (GCI) of Morell, Prince Edward Island, Canada. The magazine is targeting the people directly involved in the shellfish industry. The aim is to bring together shellfish farmers, growers, and harvesters of both cultivated and wild stocks, the processors and consumers of shellfish, the designers and manufacturers of equipment, scientists, engineers, managers and administrators.

They are wanting to provide a forum for the exchange of news and ideas from around the world on a wide variety of shellfish-related subjects. They are also seeking articles and news items for inclusion in the magazine.

GCI is offering NSA members a special subscription rate. For more information, contact them at phone (902)-961-2347, fax (902) 961-2405, or email [gci@isn.net](mailto:gci@isn.net).

Articles for submission or suggestions and comments on the magazine can be forwarded to Dr. David Scarratt, Editor, Shellfish World, Hwy 201, RR #3, Bridgetown, NS, Canada B0S 1C0, phone (902) 665 4815, fax (902) 665 4875 or email [scarratt@ns.sympatico.ca](mailto:scarratt@ns.sympatico.ca).

### **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, especially shellfish-related ones. 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 Sandy Shumway, Rick DeVoe or Jay Parsons 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!***



## From the Newsletter Editor...

When putting together the *NSA Newsletter*, there is nothing worse than staring at one empty page. I would rather have to deal with too much material than not enough! So a plea for members to start sending in more information or articles. Members are invited to submit news, views, milestones, research summaries, job and meeting announcements, updates on graduate students (just completed a thesis or moved on to a job) and new publications.

Remember this is your newsletter and the content will reflect members interests and response.

Any material can be sent to me at the address on the back page.

Merci!

Jay Parsons

## Photo Contest – Seattle 2000

There will be a contest in Seattle at the NSA 2000 meeting to see who can identify the most pictures of NSA members as young tykes! Please send a picture of yourself as a youngster (age 5-7, but a baby picture will do) to Sandy Shumway (address on back page). The pictures will be copied and promptly returned.



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.



**The National Shellfisheries Association Constitution and Bylaws appear on the following pages.  
Date of most recent Executive Committee approval appears just below the title. The  
Constitution and Bylaws were last printed in the Summer 1998 issue of the National  
Shellfisheries Association Quarterly Newsletter.**

**CONSTITUTION  
of the  
NATIONAL SHELLFISHERIES ASSOCIATION, INC.  
(A Corporation Not for Profit)  
Approved November 13, 1990**

**ARTICLE I. NAME AND ADDRESS**

The organization shall be known as the National Shellfisheries Association, Inc., hereinafter referred to as the Association or NSA.

The official permanent address of the NSA shall be:

National Shellfisheries Association, Inc.  
National Marine Fisheries Service  
Laboratory  
Oxford, MD 21654 USA

**ARTICLE II. OBJECTIVES AND PURPOSES**

The National Shellfisheries Association is organized as a non-profit society. The objectives and the purposes of the Association shall be:

Section 1. To encourage research on molluscs, crustaceans, and associated organisms with emphasis on species of economic importance known as "shellfish".

Section 2. To gather and disseminate scientific and technical information on shellfish.

Section 3. To promote and advance shellfisheries research and the application of results to the shellfish industry.

Section 4. To hold annual meetings for presentation, exchange, and discussion of information on scientific and professional aspects of shellfish research and management.

**ARTICLE III. MEMBERSHIP**

Section 1. Membership in the NSA shall be open to all individuals who actively support the objectives and purposes of the Association.

**ARTICLE IV. TERMS OF EXISTENCE**

Section 1. This corporation is to exist perpetually.

**ARTICLE V. OFFICERS**

Section 1. The officers of the Association shall be a President, a President-Elect, a Vice President, a Secretary, and a Treasurer, elected to perform to usual duties of their respective offices.

Section 2. The signing officers of the Association are the President, the President-Elect, and the Treasurer or their appointees.

Section 3. All officers shall be elected for one year, or until the next regular annual meeting. The President-Elect shall, upon completion of the term, accede to the Presidency. Therefore, elections shall be for President-Elect, Vice President, Secretary and Treasurer. The President Elect will be installed as President at the opening of New Business of each regular annual business meeting. No officers, except for the Secretary and Treasurer, may succeed themselves.

Section 4. Nomination for office shall be made by an Elections Committee appointed by the President. All persons nominated by this committee shall be members in good standing and eligible to hold office in the Association. The Elections Committee shall present the list of consenting nominees to the Secretary, who shall prepare a mail ballot to be sent to the membership at least sixty (60) calendar days prior to the annual meeting. The ballot shall permit write-in votes for each office. Ballots must be returned to the President Elect fourteen (14) calendar days before the annual meeting, and they shall be audited as the Executive Committee directs.

Section 5. A simple majority of the votes received by the President-Elect fourteen (14) days prior to the annual meeting of the Association shall be necessary for the election of officers and the members of the Executive Committee. Elected officers other than the President-Elect take office at the end of each annual business meeting.

Section 6. In the event that any officer other than the President-Elect resigns or otherwise leaves a position vacant, the Executive Committee shall, by a simple majority vote of committee members present at a properly constituted meeting, at which business may be conducted, appoint a replacement to fill the remainder of the term. Any vacancy in the office of the President-Elect must be filled through membership ballot.

Section 7. No elected officer may receive any compensation for services rendered. Certain travel expenses may be defrayed when authorized by the President with the concurrence of the Treasurer. Clerical and other operational funds may be paid by the Treasurer when so authorized by the President.

**ARTICLE VI. EXECUTIVE COMMITTEE**

Section 1. The Executive Committee shall consist of the elected officers, the immediate past-President, the Chairperson of the Pacific Coast Section, the Editor of the Journal of Shellfish Research (JSR), formerly known as Proceedings, and three (3) persons elected by the Association to serve as Members-at-Large for a term of three (3) years or until their successors are elected. Each Member-at-Large shall not



be eligible for re-election to the same office within a period of three (3) years after their term of office has expired.

Section 2. The Executive Committee shall manage the business and the affairs of the Association, subject to the provisions of the Constitution and By-Laws. A quorum of the Executive Committee consists of a simple majority of its members. A properly constituted meeting of the committee is any meeting in which all of the members have been notified in advance and of which a simple majority of all members have agreed to the meeting. All decisions of the Executive Committee shall be by a simple majority vote of the quorum.

Section 3. At each Executive Committee meeting prior to the annual meeting the President-Elect with coordination of the Treasurer shall submit for Executive Committee approval a proposed budget for the ensuing calendar year.

Section 4. The Executive Committee shall approve budgets, approve appointments, present proposals, and describe other activities that may require discussion and approval by the membership. The Secretary or a duly appointed member of the Association shall keep minutes of Committee meetings and deposit copies with the Secretary. Minutes shall be open to members or sent to them.

#### **ARTICLE VII. BYLAWS**

Section 1. The structure and function of the National Shellfisheries Association within the context of the Constitution shall be described in the Bylaws. The Executive Committee of the Association may provide such Bylaws for the conduct of its business and the carrying out of its purpose as they may deem necessary from time to time. The Bylaws can be amended by a two-thirds (2/3) majority of the Executive Committee.

#### **ARTICLE VIII. AMENDMENTS**

Section 1. The Constitution, after adoption by a 2/3 majority of the voting membership, shall supersede all existing Constitutions and Bylaws, and will take effect immediately.

Section 2. The Constitution may be altered or amended on recommendation of the Executive Committee, by a 2/3 majority of the voting membership, by a mail ballot, provided the membership shall receive written notice of such amendments at least sixty (60) calendar days prior to the deadline for voting. Ballots shall be collected and counted by the Secretary and validated by the President within twenty (20) calendar days after the voting deadline.

#### **ARTICLE IX. ACQUISITIONS**

Section 1. In order to promote the purposes of this corporation, it may acquire property by grant, gift, purchase, devise or bequest, and hold and dispose of such property as the Association shall require for the benefit of its members and not pecuniary profit.

#### **ARTICLE X. DISTRIBUTION OF ASSETS**

Section 1. In the event of dissolution, any assets of the National Shellfisheries Association shall be distributed to a non-profit fund, foundation or corporate organization operated exclusively for the purpose as specified in Section 501 (C) (3) of the United States Internal Revenue Code. The fund, foundation, or corporate organization to which the National Shellfisheries Association assets will be distributed shall be selected by the National Shellfisheries Association Executive Committee at its last meeting.

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### **BYLAWS of the NATIONAL SHELLFISHERIES ASSOCIATION, INC. (A Corporation Not for Profit) June 23, 1991**

#### **BYLAW I NAME AND PURPOSE**

Section 1.

The name of the organization shall be the National Shellfisheries Association, as described in the Constitution.

Section 2.

The purpose and activities of this Association shall be as described in the Constitution.

#### **BYLAW II MEMBERSHIP AND DUES**

Section 1.

Any individual or institution that qualifies for membership under the Constitution and Bylaws may become a member in good standing of the Association by having a genuine interest in the purposes of the Association, by paying the appropriate dues, and by adhering to the rules and regulations laid down in the various sections and subsections of the Constitution and Bylaws.

Section 2.

Dues, payable in U.S. dollars on or before January 1 of each calendar year, may be changed as necessary by a vote of the Executive Committee present at the annual meeting.

(a) Any member whose dues are in arrears for a period of more than one (1) year, and after two (2) written notices from the Secretary, shall be dropped from the membership within thirty (30) days after the second notice.

(b) *The Journal of Shellfish Research* shall not be distributed to members who have been dropped for non-payment of dues.

(c) Any person, firm, society, club, or state or federal agency, on approval of the Executive Committee and by payment of a sum to be established annually by the Executive Committee, may become a Patron of the Association. Patrons are entitled to six (6) copies of the *Journal of Shellfish Research*. Corporations, agencies and commercial companies may not use membership in the Association as a substitute for their duties and obligations to the Shellfish Institute of North America.



(d) Libraries and agencies not desiring to become Patrons may subscribe to the *Journal of Shellfish Research* and purchase copies for a subscription cost to be established by the Executive Committee.

(e) Any person, upon the recommendation of the Awards Committee, may be made an Honorary Member with all the privileges of a Member, by a simple majority vote of the Executive Committee contacted by telephone or mail before the Association annual meeting, and shall be exempt from payment of dues.

### BYLAWS III MEETINGS, VOTINGS

#### Section 1.

The annual meeting of the membership shall be held at the time and place set by the Executive Committee. The Secretary shall serve by mail a written notice thereof, not less than sixty (60) calendar days prior to such meeting, to each member at their address as it appears on the records of the Association. The newsletter may serve as the written notice. There is no quorum requirement for the annual meeting.

#### Section 2.

In all matters of business on which the membership is entitled to vote, all members shall be eligible to cast one vote.

#### Section 3.

The annual meetings of the Association shall consist of a program of papers, discussions, symposia, demonstrations and other activities.

#### Section 4.

The business meeting shall include, but not be limited to, the following:

- (a) Report of the President
- (b) Reports of the Secretary and Treasurer
- (c) Reports of Committees (Audit-Budget-Finance, Membership, Resolution, etc.)
- (d) Report of the Editor of the *Journal of Shellfish Research*
- (e) Announcements of changes in editorship, editorial board, page charges, and page or budget limitations with respect to the *Journal of Shellfish Research*
- (f) Old and new business
- (g) Installation of officers
- (h) Appointment of new committees and associate editors

### BYLAW IV DUTIES OF OFFICERS

#### Section 1.

The President is responsible for the conduct of business and the organization of the Association. This individual shall preside over all annual and special meetings, shall make such appointments as are authorized in the Bylaws, and shall exercise such other functions and responsibilities as may be determined from time to time by action of the Association or the Executive Committee of which she or he is chair. The President is authorized to, from time to time, appoint ad hoc committees from the membership of the Association to perform various duties as in the discretion of the President may seem appropriate. The President shall also serve as ex-officio member of all committees.

#### Section 2.

The President-Elect shall, at the end of the term, accede to the Presidency. During this term as President-Elect, he or she shall perform the duties of the President in the absence of the President. The President-Elect shall serve as chair of the Site Selection Committee and appoint the members of the Arrangements Committee for the annual meeting at which she or he will serve as President.

#### Section 3.

The Vice President shall act in the capacity of President-Elect in the former's absence, or, in the absence of both the President and the President-Elect, shall perform the duties of the President until a new President-Elect has been elected. The Vice President shall serve as chair of the Program Committee and shall appoint other committee members.

#### Section 4.

The Secretary shall be responsible for distributing ballots and the minutes of Association meeting and meetings of the Executive Committee, for maintaining an updated record of policy and operational actions decided by both groups, for maintaining contact with institutional subscribers of the journal, and for preparing the annual report for the Executive Committee meeting.

#### Section 5.

The Treasurer shall be responsible for maintaining or overseeing the maintenance of membership and mailing lists. The Treasurer shall ensure that documented accounts of all transactions are maintained, that accepted bookkeeping and accounting practices are followed, and that the Association's financial resources are managed according to procedures adopted by the Executive Committee. The Treasurer shall, at the annual meeting, present a draft budget for the next fiscal year, and shall submit a detailed financial report audited in such a manner as shall be specified by the Executive Committee.

#### Section 6.

No officer of the Association or member of the Executive Committee shall be answerable for any act, receipt, neglect, or default of any other officer or Executive Committee member. No officer or Executive Committee member shall be liable individually or collectively for any judgement or for any act done or step taken or omitted under the advice of counsel, nor for any mistake or fact or law nor for anything which they may do or refrain from doing in good faith.

### BYLAW V PUBLICATIONS

#### Section 1.

The Association shall publish semiannually the *Journal of Shellfish Research* to include scientific and applied papers which satisfy the requirements of the Editorial Board. Papers may be submitted at any time. Accepted manuscripts will be published in the earliest convenient *Journal of Shellfish Research*. Authors shall be notified of the current page charge for publication when a receipt of a manuscript is acknowledged. Rates including Life Membership rates shall be reviewed annually by the Publications Committee and the Editor. The



Executive Committee shall vote to approve or disapprove these rates and the rates shall be published in the Newsletter.

#### Section 2.

The Editor and six (6) or more Associate Editors shall be nominated by the Publications Committee and selected by the Executive Committee for determinate periods to serve on the Editorial Board.

#### Section 3.

Special publications, symposia, and other reports may be issued as determined by vote of the Executive Committee.

### BYLAW VI STANDING COMMITTEES

#### Section 1.

The President, with the approval of the Executive Committee, shall appoint the following committees, of at least two (2) members each, to serve for a term of one (1) year unless otherwise specified, or at the discretion of the Executive Committee.

(a) An Audit-Budget-Finance Committee to manage the financial affairs of the Association and to examine the financial report of the Treasurer before its presentation to the Association for approval.

(b) An Awards Committee to review and nominate members who, by their exemplary service to the Association or to the profession, deserve recognition as Honorary Member of the Association. These nominations are to be presented to the Executive Committee prior to the annual meeting. The Committee shall also review and nominate individuals for the Wallace Award, which will be awarded by simple majority vote of the Executive Committee before the annual meeting.

The Awards Committee is responsible for preparing a nomination package. The nomination package shall consist, at a minimum, of:

1. The identity of the nominee
2. A written biography suitable for publishing in the society journal.

If the Executive Committee agrees to the selection, the Awards Committee shall be:

1. In charge of the presentation ceremony
2. In charge of, with consultation of the Treasurer, obtaining a suitable plaque or award for the awardee
3. In charge of ensuring that the biography is published in the society journal.

For the Wallace Award the Awards Committee should select individuals whose actions most demonstrate the principles and actions concerned with programs in shellfisheries, aquaculture, and conservation as exemplified by Mr. David Wallace during his lifetime in promoting understanding, knowledge, and cooperation among industry members, the academic community, and all levels of government (states, national, and international), an who has had outstanding success in bringing together shellfish scientists and industry officials for the benefit of shellfisheries. The award is not linked to NSA membership.

The Committee is responsible for preparing a nomination package. The nomination package shall consist, at a minimum, of:

1. The identity of the nominee
2. A written statement concerning the general contributions of the individual

If the Executive Committee agrees to the selection, the subcommittee shall be:

1. In charge of the presentation ceremony
2. In charge of, with consultation of the Treasurer, obtaining a suitable plaque or award for the awardee
3. In charge of preparing and submitting the award statement to the society newsletter for publication

(c) A Membership Committee to ensure that all people actively interested in the objectives of the Association are invited to become members.

(d) An Election Committee composed of the immediate Past President, the current President, and the President-Elect, to submit a list of nominees for all offices and members-at-large whose terms are expiring, with a short vitae of each to the Executive Committee six (6) months prior to the annual meeting. Upon selection by the Executive Committee, the candidates will be presented to the membership by special mail ballot within sixty (60) calendar days prior to the annual meeting. The ballots will be returned to the President-Elect who will be responsible for collecting and collating the votes and reporting the results to the Executive Committee. The candidates will be notified of the election results at least one week prior to the annual meeting. The Executive Committee will validate the election at their annual meeting.

(e) A Publications Committee to manage the publishing affairs of the Association. The Treasurer and/or the Journal Business Manager and the Editor of the *Journal of Shellfish Research* shall be a member of the Committee.

(f) A Resolutions Committee to draft and recommend resolutions considered prudent and necessary for the promotion of the objectives and purposes of the Association.

(g) A President's Committee consisting of all Past Presidents of the Association to assist the Executive Committee in broad policy matters and special issues. This committee shall be chaired by the immediate Past President.

#### Section 2.

The President-Elect, with the approval of the Executive Committee, shall appoint the following committees, of at least two (2) members each, to serve for a term of one (1) year unless otherwise specified, or at the discretion of the Executive Committee.

(a) An Arrangements Committee to arrange for programs at the annual meeting for which the President-Elect will serve as President. This committee will be chaired by the President-Elect.

(b) A Site Selection Committee composed of the current President, the President-Elect, the Vice President, and one or more other members selected by the President, if desirable, to select the location of the annual conference for the next conference for which a location has not been chosen. The President-Elect will serve as chair and will appoint an on-site Registration Coordinator to schedule and perform registration duties (in conjunction with the Treasurer) during the annual meeting at which the President-Elect will take office. Normally this committee will secure sites for meetings at least two years in advance.



(c) An Endowment Committee to examine student abstracts and applications for support to present papers at the next Annual Meeting. The committee will include the Treasurer who will report on the availability of funds. The committee will make recommendations to the Executive Committee for the awards. The committee will also be responsible for organizing the review of all qualified student presentations for the Thurlow C. Nelson Award at the annual meeting.

Section 3.

The Vice-President, with the approval of the Executive Committee, shall appoint the following committees, of at least two (2) members each, to serve for a term of one (1) year unless otherwise specified, or at the discretion of the Executive Committee.

(a) A Program Committee to arrange for programs at the upcoming annual meeting. This committee will be chaired by the Vice President.

Section 4.

All Standing Committees will conduct business based on voting by a simple majority of the members present at their meetings.

**BYLAW VII MEMBERSHIP LIST**

Section 1.

The official membership list of the Association shall be distributed to all members as frequently as necessary at the discretion of the Executive Committee.

**BYLAW VIII RESOLUTIONS**

Section 1.

The Association may express opinions and recommendations by resolution(s) or other appropriate action(s), except on specific numbered bills of federal or state legislatures.

**BYLAW IX AMENDMENTS**

Section 1.

These Bylaws may be amended, altered or rescinded by a two-thirds (2/3) majority vote of those members of the Executive Committee present at any scheduled meeting of the Executive Committee for which proper notice has been given. The Secretary shall ensure that all such changes to the Bylaws are communicated to the membership at the earliest opportunity. Changes to the Bylaws may be made by teleconference provided a duly constituted meeting has been called and appropriate notification has been given to all members of the Executive Committee.

Section 2.

A petition for change in the Bylaws can be submitted to the Executive Committee by ten percent (10%) of the membership. The Executive Committee shall review the recommended changes and offer them, with recommendations, to the membership for majority vote.

**BYLAW X REGIONAL SECTIONS OF THE ASSOCIATION**

Section 1.

The Pacific Coast Section (PCS) of the Association is authorized to elect its own officers and hold meetings at times and places selected by its members. Local dues will be assessed. All members of the Association are invited to attend PCS meetings.

Section 2.

The purpose of the Pacific Coast Section shall be to further the aims and interests of the Association on the Pacific Coast. The PCS shall operate under a constitution and bylaws established by its members insofar as they are not inconsistent with the constitution and bylaws of the parent Association.

**BYLAW XI MISCELLANEOUS**

Section 1.

No member, committee chair, Executive Committee member or Office of this Association shall use the seal, logo or name of the Association to endorse, condemn or express an evaluation of any product or service of any firm or individual.

Section 2.

No part of the financial resources of this Association may be used to defray the travel expense of any officer or member where the purpose of such travel is to influence or intervene in the internal legislation of any country.

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***Visit the NSA Web Site for the latest updates***

***<http://www.shellfish.org>***



## Upcoming Meetings

**Third International Lobster Congress:** September 21-24, 1999, Adelaide, South Australia. For further information, contact website [www.rocklobster.org.au](http://www.rocklobster.org.au), email [kraymond@gazebo.os.com.au](mailto:kraymond@gazebo.os.com.au) or phone +61 (8) 8272 7766.

**Third International Conference on Shellfish Restoration:** September 29-October 2, 1999, Jury's Hotel, Cork, Ireland. Contact Dr. Gavin Burnell for program information at [g.burnell@ucc.ie](mailto:g.burnell@ucc.ie).

**Aquaculture Canada '99:** October 26-29, 1999, Victoria, British Columbia, Canada. The Aquaculture Association of Canada's annual meeting will be held at the Victoria Conference Centre. Meeting will be held in conjunction with the Pacific Aquaculture Exchange trade show. Abstract deadline is August 31, 1999. For more information contact Linda Townsend, phone 250-741-8708, fax 250-755-8749, or email [townsdl@mala.bc.ca](mailto:townsdl@mala.bc.ca).

**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 website: [www.fisheries.moa.gov.cn](http://www.fisheries.moa.gov.cn), or e-mail: [csfish@agri.gov.cn](mailto:csfish@agri.gov.cn).

**Marketing Live Aquatics 1999:** November 14-17, 1999, Seattle, Wa. For information on the 2<sup>nd</sup> International marketing and shipping live aquatic conference, see [www.alaska.net/~mpaust](http://www.alaska.net/~mpaust).

**Fourth International Abalone Symposium:** February 6-11, 2000, University of Cape Town, South Africa. Final date for abstract submission is August 31, 1999. For more information contact Peter Cook or Ken Findlay, phone/fax +27-21-6503283, email [cms@physci.uct.ac.za](mailto:cms@physci.uct.ac.za) or website [www.ab2000.org.za](http://www.ab2000.org.za).

**Conference on Aquaculture in the Third Millennium:** February 21-25, 2000, Bangkok, Thailand. For more information, contact conference secretariat at [naca@fisheries.go.th](mailto:naca@fisheries.go.th) or website [www.fisheries.go.th/naca](http://www.fisheries.go.th/naca).

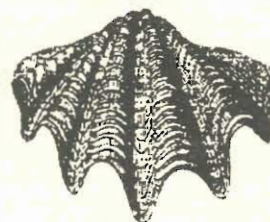
**National Shellfisheries Association 92nd Annual Meeting:** March 19-23, 2000, Crown Plaza Hotel, Seattle Wa. For program information contact Dr. Chris Langdon at address on back page. For more details see text of this *NSA Newsletter*.

**AQUA2000:** May 2-6, 2000 Nice, France. Annual meeting of the World Aquaculture Society and the European Aquaculture Society. Conference and exposition to be held at the Acropolis Convention Centre. For information, contact John Cooksey at phone 425-485-6682, fax 425-483-6319, or email [worldaqua@aol.com](mailto:worldaqua@aol.com).

**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](mailto:aac2000@umoncton.ca) or website [www.aac2000.org](http://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).

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-



### 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 willing to co-ordinate a special workshop on a topic issue, contact Dr. Sandra E. Shumway, Natural Science Division, Southampton College, Southampton, NY 11968, phone 516-287-8407, fax 516-287-8419, email [sshumway@southampton.liunet.edu](mailto:sshumway@southampton.liunet.edu).



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