

DOC in accordance with the instructions contained in the award document.

VII. How to Submit

Preliminary proposals and proposals must be submitted to the state Sea Grant Programs or, for investigators in non-Sea Grant states, directly to the National Sea Grant Office (NSGO), according to the schedule outlined above. Although investigators are not required to submit more than 3 copies of either preproposals or full proposals, the normal review process requires 10 copies. Investigators are encouraged to submit sufficient copies for the full review process if they wish all reviewers to receive color, usually sized (not 8.5 x 11"), or otherwise unusual materials submitted as part of the proposal. Only three copies of the Federally required forms are needed. The addresses of the Sea Grant College Program directors may be found on Sea Grant's World Wide Web home page (<http://www.mdsg.umd.edu/NSGO/index.html>) or may also be obtained by contacting the Program Manager, Dr. James P. McVey, at the National Sea Grant Office (phone: 301-713-2451 x160 or e-mail: jim.mcvey@noaa.gov). Preproposals and proposals sent to the National Sea Grant Office should be addressed: National Sea Grant Office, R/SG, Attn: National Oyster Disease and Gulf Coast Oyster Industry Coordinator, NOAA, Room 11877, 1315 East-West Highway, Silver Spring, MD 20910 (phone 301-713-2435 for express mail applications).

Applications received after the deadline and applications that deviate from the format described above will be returned to the sender without review. Facsimile transmissions and electronic mail submission of applications will not be accepted.

VIII. Other Requirements

(1) Federal Policies and Procedures—Recipients and subrecipients are subject to all Federal laws and Federal and Department of Commerce (DOC) policies, regulations, and procedures applicable to Federal financial assistance awards.

(2) Past Performance—Unsatisfactory performance under prior Federal awards may result in an application not being considered for funding.

(3) Preaward Activities—If applicants incur any costs prior to an award being made, they do so solely at their own risk of not being reimbursed by the Government. Notwithstanding any verbal or written assurance that may have been received, there is no

obligation on the part of DOC to cover preaward costs.

(4) No Obligation for Future Funding—If an application is selected for funding, DOC has no obligation to provide any additional future funding in connection with that award. Renewal of an award to increase funding or extend the period of performance is at the total discretion of DOC.

(5) Delinquent Federal Debts—No award of Federal funds shall be made to an applicant who has an outstanding delinquent Federal debt until either:

(a) The delinquent account is paid in full,

(b) A negotiated repayment schedule is established and at least one payment is received, or

(c) Other arrangements satisfactory to DOC are made.

(6) Name Check Review—All non-profit and for-profit applicants are subject to a name check review process. Name checks are intended to reveal if any key individuals associated with the applicant have been convicted of or are presently facing criminal charges such as fraud, theft, perjury, or other matters which significantly reflect on the applicant's management honesty or financial integrity.

(7) False Statements—A false statement on an application is grounds for denial or termination of funds and grounds for possible punishment by a fine or imprisonment as provided in 18 U.S.C. 1001.

(8) Intergovernmental Review—Applications for support from the National Sea Grant College Program are not subject to Executive Order 12372, "Intergovernmental Review of Federal Programs.

(9) Purchase of American-Made Equipment and Products—Applicants are hereby notified that they will be encouraged to the greatest extent practicable, to purchase American-made equipment and products with funding provided under this program.

Classification

Prior notice and an opportunity for public comments are not required by the Administrative Procedure Act or any other law for this notice concerning grants, benefits, and contracts. Therefore, a regulatory flexibility analysis is not required for purposes of the Regulatory Flexibility Act.

This action has been determined to be not significant for purposes of E.O. 12866.

This notice contains collection of information requirements subject to the Paperwork Reduction Act. The Sea Grant Budget Form and Standard Forms 424, 424a and 424b have been approved

under control numbers 0648-0362, 0348-0043, 0348-0044, and 0348-0040 with average responses estimated to take 15, 45, 180, and 15 minutes, respectively. These estimates include the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments on these estimates or any other aspect of these collections to National Sea Grant College Program, R/SG, NOAA, 1315 East-West Highway, Silver Spring, MD 20910 (Attention: Francis S. Schuler) and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (Attention: NOAA Desk Officer). Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Dated: February 25, 1999.

Louisa Koch,

Deputy Assistant Administrator, Office of Oceanic and Atmospheric Research, National Oceanic and Atmospheric Administration.

[FR Doc. 99-5116 Filed 3-4-99; 8:45 am]

BILLING CODE 3510-KA-M

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[Docket No. 990125031-9031-01]

RIN 0648-ZA57

Sea Grant Industry Fellows Programs: Request for Proposals for FY 1999

AGENCY: National Sea Grant College Program, National Oceanic and Atmospheric Administration, Department of Commerce.

ACTION: Notice of request for proposals.

SUMMARY: The purpose of this notice is to advise the public that the National Sea Grant College Program (Sea Grant) is entertaining proposals for the Industry Fellowship program to fulfill its broad educational responsibilities and to strengthen ties between academia and industry. With required matching funds from private industrial sponsors, Sea Grant expects to support three new Industry Fellows in FY 1999. Each fellow will be a graduate student selected through national competition, and will be known as a Company Name/

Sea Grant Industry Fellow. Proposals must be submitted by academic institutions who have identified a graduate fellow and an industrial sponsor who will provide matching funds.

DATES: Proposals must be submitted before 5 pm (local time) on May 27, 1999 to the nearest state Sea Grant Program.

ADDRESSES: Proposals must be submitted through the nearest state Sea Grant Program. The addresses of the Sea Grant College Program directors may be found on Sea Grant's home page (<http://www.mdsg.umd.edu/NSGO/index.html>) or may also be obtained by contacting the Program Manager at the National Sea Grant Office (see below).

FOR FURTHER INFORMATION CONTACT: Dr. Vijay G. Panchang, Program Manager, National Sea Grant College Program, R/SG, NOAA, 1315 East-West Highway, Silver Spring, MD 20910. Tel. (301) 713-2435 ext. 142; e-mail: Vijay.Panchang@noaa.gov.

SUPPLEMENTARY INFORMATION:

I. Program Authority

Authority: 33 U.S.C. 1127(a).
(Catalog of Federal Domestic Assistance Number: 11.417, Sea Grant Support.)

II. Program Description

Background

Today's global economy is putting unprecedented demands on the US industrial community for innovation and new technology. This situation presents challenges to industry and universities to develop new paradigms leading to more efficient utilization of available human, fiscal, and technical resources. This can be accomplished through the recruitment of graduates trained in technologies relevant to an industry's future and the creation of opportunities for collaboration between industrial and academic scientists and engineers. Academically well-trained students with exposure to advanced industrial issues constitute a critical component of success in that endeavor.

To strengthen ties between academia and industry, Sea Grant developed the Industry Fellows Program in 1995. With required matching funds from private industrial sponsors, Sea Grant expects to support three new Industry Fellows in FY 1999. Each fellow will be a graduate student selected through national competition, and will be known as a Company Name/Sea Grant Industry Fellow.

Fellowship Program Objectives

To enhance the education and training provided to top graduate

students in US colleges and universities; to provide real-world experience of industrial issues to graduate students and to accelerate their career development; to increase interactions between the nation's top scientists and engineers and their industrial counterparts; to accelerate the exchange of information and technologies between universities and industry; to provide a mechanism for industry to influence Sea Grant research priorities and solve problems of importance to industry; and to forge long-term relationships between Sea Grant colleges and industrial firms.

Program Description

The Sea Grant Industry Fellows Program provides, in cooperation with specific companies, support for highly-qualified graduate students who are pursuing research and development projects on topics of interest to a particular industry/company. In a true partnership, the student, the faculty advisor, the Sea Grant college or institute, and the industry representative work together on a project from beginning to end. Research facilities and the cost of the activity are shared. University faculty are the major source for identifying potential industrial collaborators and suitable research topics. However, other sources can be used to identify potential industrial partners including the Sea Grant Marine Advisory Services, university industrial relations offices, and the Sea Grant Review Panel. Sea Grant directors are encouraged to use a variety of sources in building successful partnerships with industry.

III. Eligibility

Applications may be submitted by individuals affiliated with institutions of higher education in the United States.

IV. Evaluation Criteria

The evaluation criteria for proposals submitted for support under the Sea Grant Industry Fellows Program are:

A. The importance of the problem and the benefits expected to the industrial partner and the nation due to the advancement of technology (25%).

B. The benefit accruing to the student from his or her participation as a Sea Grant Industry Fellow, including exposure to industrial methods and mentoring by the industrial partner (25%).

C. The level of commitment of the industrial partner to the project, particularly student stipend support (25%).

D. The caliber of the proposed Fellow, including special skills, past

experiences, or training that render him/her especially qualified for the proposed project. Participation by the Fellow in proposal preparation will be viewed favorably (25%).

V. Selection Procedures

Proposals will be received at the individual state Sea Grant Programs who will conduct the mail peer review of the proposed projects in accordance with the Evaluation Criteria listed above. All proposals sent to the National Sea Grant Office must be accompanied by copies of the peer reviews. Complete full proposals and their written reviews will be sent by the state Sea Grant programs to the National Sea Grant Office to be ranked in accordance with the assigned weights of the above evaluation criteria by an independent peer review panel consisting of government, academic, and industry experts with particular expertise in industry/academic interactions. These panel members will provide individual evaluations on each proposal, but there will be no consensus advice. Their recommendations and evaluations will be considered by the National Sea Grant Office in the final selection. Only those proposals rated by the panel as either Excellent, Very Good or Good will be eligible for funding. For those proposals, the National Sea Grant Office will: (a) ascertain which proposals best meet the program objectives, and do not substantially duplicate other projects that are currently funded or are approved for funding by NOAA and other federal agencies, hence, awards may not necessarily be made to the highest-scored proposals; (b) select the proposals to be funded; (c) determine which components of the selected projects will be funded; (d) determine the total duration of funding for each proposal; and (e) determine the amount of funds available for each proposal. Investigators may be asked to modify objectives, work plans, or budgets prior to final approval of the award. Subsequent grant administration procedures will be in accordance with current NOAA grants procedures. A summary statement of the scientific review by the peer panel will be provided to each applicant.

VI. Instructions for Application

Timetable

May 27, 1999, 5 pm (local time)—Proposals due at state Sea Grant Program.

July 7, 1999, 5 pm EST—Proposals due at NSGO.

September 1, 1999 (approximate)—Funds awarded to selected recipients; projects begin.

General guidelines

Interested members of U.S. institutions of higher education may submit a proposal through the nearest Sea Grant program for a grant to support up to two-thirds of the total budget. The fellowship can be for a maximum of two years, though funding will be in annual increments. No more than \$30,000 of federal funds may be requested per year. Indirect costs on federal funds are limited to 10 percent of total modified direct costs. The proposal must include a written matching commitment, equal to at least half the federal request, from the industrial partner to support the budget for the proposed project. Allocation of matching funds must be specified in the budget. Use of the industrial matching funds for student stipend support will be looked on favorably.

The budget should include adequate travel funds for the student, the industrial mentor, and the faculty advisor to meet at least twice per year during the fellowship period, preferably at the site of the industrial partner. The budget may also include up to one month of salary or stipend support for one project participant in addition to the selected Fellow who is affiliated to the academic institution. The selected Fellow may not be changed during the grant period. If the selected Fellow is no longer enrolled as a graduate student but continues to work on the project under the supervision of the grantee institution, federal funds may be used for the Fellow's support for no longer than three months beyond the date on which the Fellow's student status expires. This three-month latitude is meant to enable suitable conclusion of the ongoing phase of work. In other respects, the Fellow will be governed by the institution's rules for graduate research assistants.

Proposal Guidelines

Each full proposal should include the items listed below. All pages should be single- or double-spaced, typewritten in at least a 10-point font, and printed on metric A4 (210 mm × 297 mm) or 8½" × 11" paper. Brevity will assist reviewers and program staff in dealing effectively with proposals. Therefore, the Project Description may not exceed 10 pages. Tables and visual materials, including charts, graphs, maps, photographs and other pictorial presentations are included in the 10-page limitation; literature citations are not included in the 10-page limitation.

Conformance to the 10-page limitations will be strictly enforced. All information needed for review of the proposal should be included in the main text; no appendices are permitted.

(1) Signed Title Page: The title page should be signed by the Principal Investigator and the institutional representative and should clearly identify the program area being addressed by starting the project title with "Sea Grant Industry Fellow." The Principal Investigator and institutional representative should be identified by full name, title, organization, telephone number and address. The total amount of Federal funds and matching funds being requested should be listed for each budget period.

(2) Project Summary: This information is very important. Prior to attending to peer review panel meetings, some of the panelists may need only the project summary. Therefore, it is critical that the project summary accurately describe the research being proposed and convey all essential elements of the research. The project summary should include: 1. Title: Use the exact title as it appears in the rest of the application. 2. Investigators: List the names and affiliations of each investigator who will significantly contribute to the project. Start with the Principal Investigator. 3. Funding request for each year of the project, including matching funds if appropriate. 4. Project Period: Start and completion dates. Proposals should request a start date of September 1, 1999. 5. Project Summary: This should include the rationale for the project, the scientific or technical objectives and/or hypotheses to be tested, and a brief summary of work to be completed.

(3) Project Description (10-page limit):

(a) Introduction/Background/Justification: What is the problem being addressed and what is its scientific and economic importance to the advancement of technology, to the cooperating industrial partner, and to the region or nation?

(b) Research and Technical Plan: What are the goals, objectives, and anticipated approach of the proposed project? While a detailed work plan is not expected, the proposal should present evidence that there has been thoughtful consideration of the approach to the problem under study. What capabilities does the industrial partner possess that will benefit the Fellow?

(c) Output/Anticipated Economic Benefits: Upon successful completion of the project, what are the anticipated benefits to the student, the industrial partner, the university and its faculty,

the sponsoring Sea Grant program, and the nation?

(d) References and Literature Citations: Should be included but will not be counted in the 10 page project description limit.

(4) Budget and Budget Justification: There should be a separate budget for each year of the project as well as a cumulative annual budget for the entire project. Applicants are encouraged to use the Sea Grant Budget Form 90-4, but may use their own form as long as it provides the same information as the Sea Grant form. Subcontracts should have a separate budget page. Matching funds must be indicated; failure to provide adequate matching funds will result in the proposal being rejected without review. Each annual that itemizes all budget items in sufficient detail to enable reviewers to evaluate the appropriateness of the funding requested. Please pay special attention to any travel, supply or equipment budgets and provide details. The total dollar amount of indirect costs must not exceed 10 percent of the total proposed direct costs dollar amount in the application.

(5) Current and Pending Support: Applicants must provide information on all current and pending support for ongoing projects and proposals, including subsequent funding in the case of continuing grants. All current project support from whatever source (e.g., Federal, State or local government agencies, private foundations, industrial or other commercial organizations) must be listed. The proposed project and all other projects or activities requiring a portion of time of the principal investigator and other senior personnel should be included, even if they receive no Federal salary support from the project(s). The number of person-months per year to be devoted to the projects must be stated, regardless of source of support. Similar information must be provided for all proposals already submitted or submitted concurrently to other possible sponsors, including those within NOAA.

(6) Vitae of the student, the faculty advisor, and the company-appointed research mentor (2 pages maximum per investigator).

(7) Letter of commitment from the industrial partner.

(8) A brief (one-page) description of the collaborating industrial firm.

(9) Proposers are encouraged (but not required) to include a separate page suggesting reviewers that the proposers believe are especially well qualified to review the proposal. Proposers may also designate persons they would prefer not review the proposal, indicating why.

These suggestions will be considered during the review process.

(10) Standard Application Forms: Applicants may obtain all required application forms through the World Wide Web at <http://www.mdsg.umd.edu/NSGO/research/rfp/index.html>, from the state Sea Grant Programs or from Dr. Vijay Panchang at the National Sea Grant Office (phone: 301-713-2435 x142 or e-mail: vijay.panchang@noaa.gov). The following forms must be included:

(a) Standard Forms 424, Application for Federal Assistance, 424A, Budget Information—Non-Construction Programs; and 424B, Assurances—Non-Construction Programs, (Rev 4-88). Please note that both the Principal Investigator and an administrative contact should be identified in Section 5 of the SF424. For Section 10, applicants should enter "11.417" for the CFDA Number and "Sea Grant Support" for the title. The form must contain the original signature of an authorized representative of the applying institution.

(b) Primary Applicant Certifications. All primary applicants must submit a completed Form CD-511, "Certifications Regarding Debarment, Suspension and Other Responsibility Matters; Drug-Free Workplace Requirements and Lobbying," and the following explanations are hereby provided:

(i) Nonprocurement Debarment and Suspension. Prospective participants (as defined at 15 CFR Part 26, Section 105) are subject to 15 CFR Part 26, "Nonprocurement Debarment and Suspension" and the related section of the certification form prescribed above applies;

(ii) Drug-Free Workplace. Grantees (as defined at 15 CFR Part 26, Section 605) are subject to 15 CFR Part 26, Subpart F, "Government-wide Requirements for Drug-Free Workplace (Grants)" and the related section of the certification form prescribed above applies;

(iii) Anti-Lobbying. Persons (as defined at 15 CFR Part 28, Section 105) are subject to the lobbying provisions of 31 U.S.C. 1352, "Limitation on use of appropriated funds to influence certain Federal contracting and financial transactions," and the lobbying section of the certification form prescribed above applies to applications/bids for grants, cooperative agreements, and contracts for more than \$100,000, and loans and loan guarantees for more than \$150,000; and

(iv) Anti-Lobbying Disclosures. Any applicant that has paid or will pay for lobbying using any funds must submit an SF-LLL, "Disclosure of Lobbying

Activities," as required under 15 CFR Part 28, Appendix B.

(c) Lower Tier Certifications. Recipients shall require applicants/bidders for subgrants, contracts, subcontracts, or other lower tier covered transactions at any tier under the award to submit, if applicable, a completed Form CD-512, "Certifications Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions and Lobbying" and disclosure form, SF-LLL, "Disclosure of Lobbying Activities." Form CD-512 is intended for the use of recipients and should not be transmitted to the Department of Commerce (DOC). SF-LLL submitted by any tier recipient or subrecipient should be submitted to DOC in accordance with the instructions contained in the award document.

VII. How to Submit

Proposals must be submitted to the state Sea Grant Programs according to the schedule outlined above. Although investigators are not required to submit more than 3 copies of the proposal, the normal review process requires 10 copies. Investigators are encouraged to submit sufficient proposal copies for the full review process if they wish all reviewers to receive color, unusually sized (not 8.5×11"), or otherwise unusual materials, submitted as part of the proposal. Only three copies of the Federally required forms are needed. The addresses of the Sea Grant College Program directors may be found on Sea Grant's World Wide Web home page (<http://www.mdsg.umd.edu/NSGO/index.html>) or may also be obtained by contacting the Program Manager, Dr. Vijay Panchang, at the National Sea Grant Office (phone: 301-713-2435 x142 or e-mail: vijay.panchang@noaa.gov). Proposals sent to the National Sea Grant Office should be addressed to: National Sea Grant Office, R/SG, Attn: Sea Grant Industry Fellows Program Coordinator, NOAA, Room 11828, 1315 East-West Highway, Silver Spring, MD 20910 (phone 301-713-2435 for express mail applications).

Applications received after the deadline and applications that deviate from the format described above will be returned to the sender without review. Facsimile transmissions and electronic mail submission of applications will not be accepted.

VIII. Other Requirements

(A) Federal Policies and Procedures—Recipients and subrecipients are subject to all Federal laws and Federal and Department of Commerce (DOC) policies, regulations, and procedures

applicable to Federal financial assistance awards.

(B) Past Performance—Unsatisfactory performance under prior Federal awards may result in an application not being considered for funding.

(C) Preaward Activities—If applicants incur any costs prior to an award being made, they do so solely at their own risk of not being reimbursed by the Government. Notwithstanding any verbal or written assurance that may have been received, there is no objection on the part of DOC to cover preaward costs.

(D) No Obligation for Future Funding—If an application is selected for funding, DOC has no obligation to provide any additional future funding in connection with that award. Renewal of an award to increase funding or extend the period of performance is at the total discretion of DOC.

(E) Delinquent Federal Debts—No award of Federal funds shall be made to an applicant who has an outstanding delinquent Federal debt until either:

(1) The delinquent account is paid in full,

(2) A negotiated repayment schedule is established and at least one payment is received, or

(3) Other arrangements satisfactory to DOC are made.

(F) Name Check Review—All non-profit and for-profit applicants are subject to a name check review process. Name checks are intended to reveal if any key individuals associated with the applicant have been convicted of or are presently facing criminal charges such as fraud, theft, perjury, or other matters which significantly reflect on the applicant's management honesty or financial integrity.

(G) False Statements—A false statement on an application is grounds for denial or termination of funds and grounds for possible punishment by a fine or imprisonment as provided in 18 U.S.C. 1001.

(H) Intergovernmental Review—Applications for support from the National Sea Grant College Program are not subject to Executive Order 12372, "Intergovernmental Review of Federal Programs."

(I) Purchase of American-Made Equipment and Products—Applicants are hereby notified that they will be encouraged to the greatest extent practicable, to purchase American-made equipment and products with funding provided under this program.

Classification

Prior notice and an opportunity for public comments are not required by the

Administrative Procedure Act or any other law for this notice concerning grants, benefits, and contracts. Therefore, a regulatory flexibility analysis is not required for purposes of the Regulatory Flexibility Act.

This action has been determined to be not significant for purposes of E.O. 12866.

This notice contains collection of information requirements subject to the Paperwork Reduction Act. The Sea Grant Budget Form and Standard Forms 424, 424a and 424b have been approved under control numbers 0648-0362, 0348-0043, 0348-0044, and 0348-0040 with average responses estimated to take 15, 45, 180, and 15 minutes, respectively. These estimates include the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments on these estimates or any other aspect of these collections to National Sea Grant College Program, R/SG, NOAA, 1315 East-West Highway, Silver Spring, MD 20910 (Attention: Francis S. Schuler) and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (Attention: NOAA Desk Officer). Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Dated: February 25, 1999.

Louisa Koch,

Deputy Assistant Administrator, Office of Oceanic and Atmospheric Research, National Oceanic and Atmospheric Administration.

[FR Doc. 99-5117 Filed 3-4-99; 8:45 am]

BILLING CODE 3510-KA-M

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[Docket No. 990125032-9032-01]

RIN 0648-ZA58

Sea Grant Technology Program: Request for Proposals; for FY 1999

AGENCY: National Sea Grant College Program, National Oceanic and Atmospheric Administration, Department of Commerce.

ACTION: Notice of request for proposals.

SUMMARY: The purpose of this notice is to advise the public that the National Sea Grant College Program (Sea Grant) is entertaining preliminary proposals and subsequently full proposals for a technology transfer and development program to fulfill its broad responsibilities in fostering economic competitiveness through the transfer of technology pertaining to the development and utilization of ocean, coastal, and Great Lakes resources. In FY 1999, Sea Grant expects to provide about \$1,550,000 to support projects that can accelerate the transfer of academic science and technology to the market. Of this amount, \$800,000 will be allocated for technologies related specifically to aquaculture. It is desirable that proposals, which must be submitted through state Sea Grant Programs, involve industrial partners. Matching funds equal to a minimum of 50% of the federal request must be provided. Successful projects will be selected through national competition.

DATES: Preliminary proposals must be submitted before 5 pm (local time) on April 5, 1999 to the nearest state Sea Grant College Program. After evaluation at the National Sea Grant Office, some proposers will be encouraged to prepare full proposals, which must be submitted before 5 pm (local time) on May 27, 1999 to the nearest state Sea Grant College Program.

ADDRESSES: Preliminary proposals and full proposals must be submitted through the nearest state Sea Grant Program. The addresses of the Sea Grant College Program directors may be found on Sea Grant's home page (<http://www.mdsg.umd.edu/NSGO/index.html>) or may also be obtained by contacting the Program Manager at the National Sea Grant Office (see below).

FOR FURTHER INFORMATION CONTACT: Dr. Vijay G. Panchang, Program Manager, National Sea Grant College Program, R/SG, NOAA, 1315 East-West Highway, Silver Spring, MD 20910. Tel. (301) 713-2435 ext. 142; e-mail: Vijay.Panchang@noaa.gov.

SUPPLEMENTARY INFORMATION:

I. Program Authority

Authority: 33 U.S.C. 1121-1131.
(Catalog of Federal Domestic Assistance Number: 11.417, Sea Grant Support.)

II. Program Description

Background

The ocean environment has traditionally provided an abundance of economic opportunities over a wide spectrum of activities. As a result of growing population pressures, the demands to maintain a sustainable and

healthy environment, and ongoing scientific advancements, the economic potential afforded by the marine environment may be expected to increase. On the other hand, globalization has put unprecedented demands on U.S. industry for innovation and the development of new technologies. Economic competitiveness can be fostered by creating opportunities for collaboration between industrial and academic scientists and engineers, as well as by supporting post-fundamental work to accelerate the conversion of academic research into products with commercial value.

The "National Sea Grant College Program Reauthorization Act of 1997" (33 U.S.C. 1121-1131) calls upon the National Sea Grant College Program (Sea Grant) to foster economic competitiveness, invest in technology transfer, and create partnerships between the Federal Government and universities, private industry, and other agencies in the development and utilization of marine resources. To meet these objectives, Sea Grant's technology program is meant to serve as a catalyst for scientific entrepreneurship and technology transfer and thereby enhance commerce. With at least one-third of the total cost provided as required matching funds by the grantee, Sea Grant expects to provide federal support of approximately \$1,550,000 to support new projects in 1999. The federal request for each project, which will be of 18 months duration or less, may not exceed \$150,000.

Program Goals

To conduct focuses projects that can lead to the development and utilization of marine resources and related technological innovations and their acceptance in the marketplace (both in the U.S. and abroad); to increase interactions between the nation's academic scientists and engineers and their industrial counterparts; to accelerate the transfer of research-based marine science from universities to new technologies in industry; to provide a mechanism for industry to influence Sea Grant research priorities and solve problems of importance to industry; to increase cost-effectiveness of seafood production through aquaculture; and to forge long-term relationships between Sea Grant colleges and industrial firms.

Funding Priorities

The Sea Grant technology program provides support for applied research and development projects that ultimately facilitate the transfer of new products and processes related to the development of marine resources,