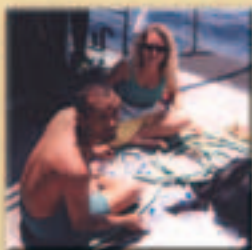


# *An Investment in Florida's Future*

*Sea Grant Sponsored  
Graduate Education  
2004*

*James C. Cato*



Florida Sea Grant has been serving the people of Florida for 34 years. Its mission is to enhance the practical use and conservation of coastal and marine resources in Florida to create a sustainable economy and environment. Florida Sea Grant operates through a statewide university-based research, education and extension partnership of state and federal agencies, businesses and citizens. This partnership involving university faculty and the public was created nationally in 1966 with the passage of federal legislation that created the National Sea Grant College Program. The U.S. Secretary of Commerce designated the State University System of Florida as a Sea Grant College in 1976, and the program is hosted by the University of Florida. Today, 32 Sea Grant programs, based within the academic structures of their states, together form the national program.

The Florida Sea Grant College Program focuses on marine and coastal issues across research, education and extension activities. Florida Sea Grant programs are also multi-disciplinary in nature. Research is funded on a statewide, competitive basis. Education programs focus on funding graduate students using public and private funds and in educating citizens. An organized extension program, using both on-campus and off-campus faculty, combines faculty and student research results into formats the public can use, and it provides stakeholder needs in research to the faculty and students. No other academic department or single university has this breadth and depth of focus on multi-disciplinary marine and coastal issues statewide.



*Gustavo Rubio (right), 2004 Florida Sea Grant Knauss Fellow, is greeted by Vice Admiral Conrad C. Lautenbacher, U.S. Navy (Ret.), the Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator, during a welcoming reception for the 2004 class in Washington, D.C. Rubio recently earned his Ph.D. from Florida International University.*



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# **An Investment in Florida's Future**

## **Sea Grant Sponsored Graduate Education 2004**

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*A technically trained labor force is critical to the future protection of Florida's coastal resources. Through support for graduate education, Florida Sea Grant is meeting this long-term need.*

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*Future marine scientists, educators, and industry professionals benefit from a variety of scholarship and fellowship opportunities, funded from public and private sources.*



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*Along with traditional research assistantships, graduate students may compete for a number of fellowships, including the prestigious Knauss Fellowships. These give graduate and post-graduate students the chance to work in real-world research and professional settings.*

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*Since 1986, Florida Sea Grant has been developing privately supported scholarships for both graduate and undergraduate students pursuing marine- or coastal-related academic programs in Florida colleges and universities.*

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*Florida Sea Grant's support for graduate education is delivering results. In its most comprehensive accounting to date, Florida Sea Grant provides detailed information on the progress and status of students supported through scholarships, fellowships, and research assistantships.*



## Investing in Education

Managing Florida's marine and coastal resources for sustainability grows increasingly more complex each day.

The Florida Sea Grant College Program responds to this challenge by providing support for scientific investigation, education, and extension efforts to address problems that result from man's impact on the coastal environment. To secure the future of Florida's coastal resources, it is critical that the state develop a highly trained labor force and informed citizenry.

Florida Sea Grant invests in this future through substantial support for graduate education. As a statewide, university-based research and education program, Florida Sea Grant draws upon its partnership of people, universities, governments and businesses to help prepare future marine scientists and other environmental professionals. These individuals will one day design the creative management concepts to protect Florida's coastal environment for future generations.

Sea Grant's support for graduate education includes various scholarship and fellowship opportunities, as well as traditional research assistantships, funded from both public and private sources.

Moreover, Florida Sea Grant seeks to diversify and broaden the experiences of its graduate students, and in some cases, undergraduates to meet the increasing need for real-world solutions to today's resource management problems. Sea Grant's multidisciplinary approach gives students scientific knowledge with interdisciplinary perspectives; they use multiple contexts to solve problems; and they learn to communicate complex ideas.

At the same time, Florida Sea Grant continues to invest in its faculty and staff so that they, too, have the necessary skills and training to meet the long-term needs of the state and its coastal resources.

Over time, this support has produced substantial results. This publication reviews the progress of many Florida Sea Grant scholars as they have assumed professional roles in education, resource management and business. They have indeed positively influenced the sustainable use of marine and coastal resources — in Florida, nationally, and internationally. Their performance affirms Florida Sea Grant's role in the training of future scientists as part of its total commitment to science serving Florida's coast.

*At the heart of Florida Sea Grant's program are the scientific investigations that it supports. On an annual basis, at least 50 percent of Florida Sea Grant's core federal funding is used to support research. In recent years, about 40 percent of research funds have been used to support graduate student assistantships and other direct student involvement in research activity.*

# Florida Sea Grant Student Programs

Florida Sea Grant does not “teach” or “graduate” students in the tradition of an academic department. However, funding and support for graduate students in many academic departments across Florida is provided through the research projects and scholarship programs that Florida Sea Grant does support. Students receive Florida Sea Grant support through both public and private sources of funds.

Florida Sea Grant participates in various fellowships, scholarships, and research assistantships that serve to broaden the experiences of graduate students and in some cases, undergraduates.

## *Public Funds*

- Research Assistantships
- Dean John A. Knauss Marine Policy Fellowships
- Sea Grant Industrial Fellowships
- National Marine Fisheries Service/Sea Grant Fellows in Marine Economics and Population Dynamics
- NOAA Coastal Service Center Coastal Management Fellowships

## *Private Funds*

- Aylesworth Foundation for the Advancement of Marine Sciences
- Old Salt Fishing Club
- Charles Skoch Sea Grant Scholarship

This commitment receives high priority within Florida Sea Grant. When overall federal appropriations to Sea Grant programs were cut during “tough” federal budget years in the 1980s, the number of students supported by Florida Sea Grant began to decrease. Recovery of these federal appropriations did not really begin until the mid-1980s. At the same time, university funding in Florida also suffered, and faculty writing Sea Grant (and other granting agency) proposals included summer salaries to protect employment, at the expense of funding that was formerly used for graduate students.

It was clear that corrective action needed to be taken. Beginning in 1993, Florida Sea Grant adopted the policy that, at minimum, 25 percent of the Florida Sea Grant federal research budget would be used to support graduate students. Then, in 1998, Florida Sea Grant research project funding guidelines indicated that the inclusion of graduate students in proposals would give the proposal a competitive edge, assuming all other review criteria were satisfactory. These policies have been followed since, and funding has been above the goal in most years (see table, page 3).

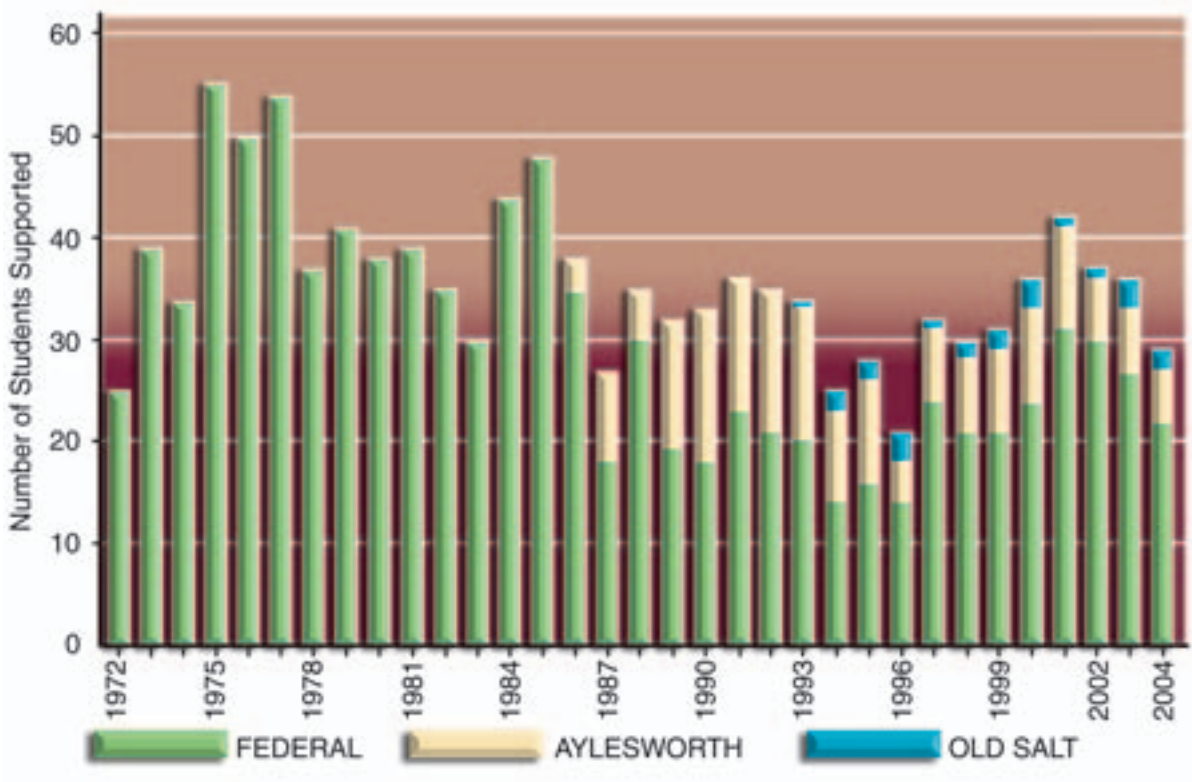
Florida Sea Grant also began to build a private base of student support. In 1986, the Aylesworth Foundation for the Advancement of Marine Sciences was formed with a major portion of its funding devoted to Florida Sea Grant scholarships. The Old Salt Fishing Club also created a scholarship program for students with both scholarship programs conducted in partnership with the Florida Sea Grant Program.

The overall impact of these efforts, both public and private, has been to cause an increasing trend in the total number of graduate students supported, rebounding from a low in 1996 (the lowest year ever). For 2002-04, an average of 33 graduate students per year received support (see chart, page 3).

Graduate Student Funding	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
As Percent of Research Funds	40	31	31	24	27	36	30	30	27	40	43	38
As Percent of All Funds	19	13	13	12	13	17	15	14	14	21	22	20

Reduced federal appropriations in the 1980s also caused a decline in Florida Sea Grant's support of graduate students. Since implementing a policy in 1993 that sets aside at least one quarter of its federal research budget for graduate student support, Florida Sea Grant has been above its goal in 11 of the 12 years since it was implemented.

## ALLOCATION OF SUPPORT FOR STUDENTS 1972 - 2004



Support for graduate education is a high priority within Florida Sea Grant. In its early years, funding came from the program's federal appropriation, but as this declined, Florida Sea Grant initiated a program of privately supported scholarships. The private sector initiative combined with policies that encourage faculty members to include graduate students in research projects has helped re-establish overall graduate student support at pre-1980 levels.

# *Public Funds*



*Research Assistantships*

*Dean John A. Knauss Marine Policy Fellowships*

*Sea Grant Industrial Fellowships*

*National Marine Fisheries Service / Sea Grant Fellows Program*

*NOAA Coastal Services Center Coastal Management Fellowships*



## Research Assistantships

Since 1986, a total of 275 students have completed a degree or other academic program while supported either fully or partially on Sea Grant federal funds. Fifty-six percent have been M.S. degrees, 18 percent Ph.D. degrees, 23 percent undergraduate and 3 percent post-doctoral fellowship work (see next page).

### The Top Six Academic Disciplines of Florida Sea Grant Research Assistants from 1986 - 2004\*

1. **Biology (96 students)**
2. **Engineering (48 students)**
3. **Chemistry/Biochemistry (35 students)**
4. **Fisheries/Aquatic Sciences (25 students)**
5. **Food Science and Human Nutrition (21 students)**
6. **Oceanography (20 students)**

\* See complete list, page 8

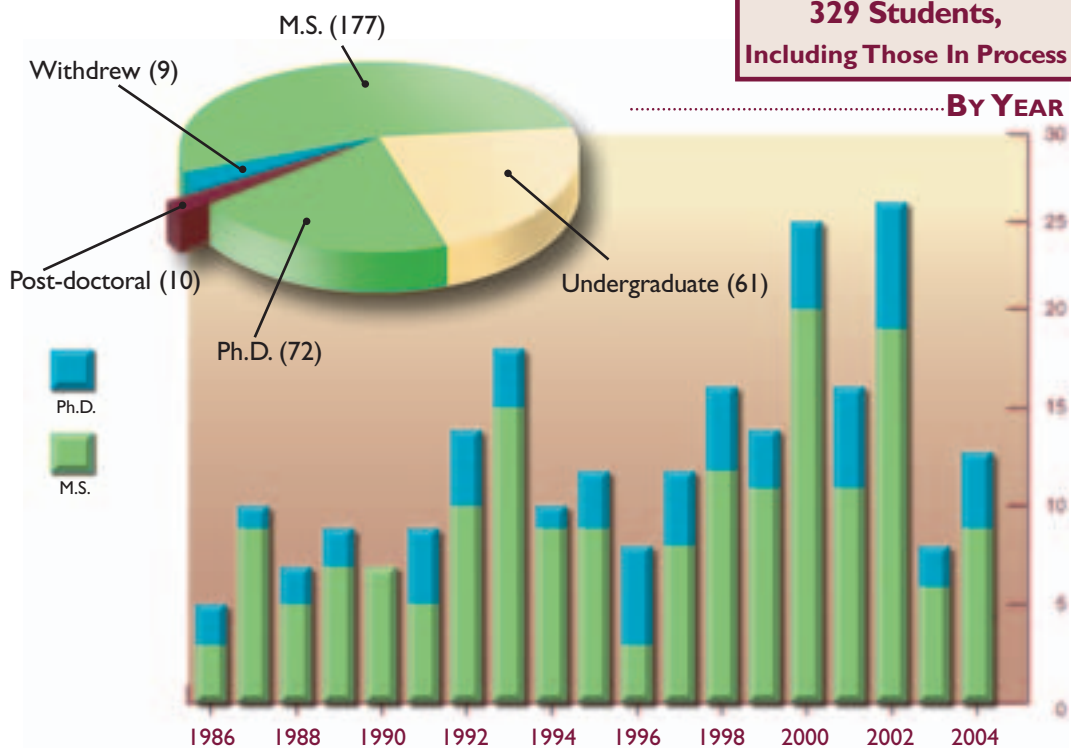
Students from 16 Florida universities and four out-of-state universities (through matching funds) have received support. The University of Florida, Florida Institute of Technology, Florida Atlantic University, University of South Florida and Florida State University have been the principal locations of support (see page 6). These universities are larger, have significant marine and coastal programs, and submit a larger number of proposals to Sea Grant research competitions, which leads to higher levels of student support.

Students who completed degrees are now contributing directly to industry, non-governmental organizations and government agencies or are pursuing additional education (see page 9). Almost an equal number, (16–19% each), are now employed in either university teaching/research, in industry/non-governmental organizations or in local, state or federal government positions.

Students in 35 different academic disciplines have been supported. These 35 include four within biology and 10 within engineering, where similar disciplines are organized under slightly varying themes, depending on the university (see page 8). Biology, engineering, chemistry/biochemistry, fisheries and aquatic sciences, food science and human nutrition, and oceanography each have more than 20 students supported. A listing of completed students by university, graduation date, degree, academic department, major professor and funding source is shown in Appendix Table 1, page 29.

# SEA GRANT RESEARCH ASSISTANTSHIPS 1986 - 2004

## BY DEGREE



Note: Data for 2004 through July. Tracking still ongoing for 2003 students.

## BY UNIVERSITY

University <sup>a</sup> /Institution	Degree Completed	In Process	Total
Florida A&M University	1	0	1
Florida Atlantic University	18	17	35
Florida International University	7	1	8
Florida State University	20	5	25
Nova Southeastern University	6	2	8
Florida Institute of Technology	36	1	37
Harbor Branch Oceanographic Institution	5	0	6
University of Central Florida	10	4	14
University of Florida	108	10	118
University of North Florida	1	0	1
University of South Florida	31	0	31
University of West Florida	1	0	1
University of Miami	14	2	16
Others <sup>b</sup>	17	3	20
<b>TOTAL</b>	<b>275</b>	<b>45</b>	<b>320</b>

<sup>a</sup> Students from Florida Gulf Coast University and the University of North Florida have not been included on projects funded at those institutions.

<sup>b</sup> Students funded through matching funds on projects funded by Florida Sea Grant at cooperating universities. This includes Auburn University, Mote Marine Laboratory, Old Dominion University, Shanghai Fisheries University and UNC-Charlotte.

Location of current or last known employment is available for 173 of the graduate students who have completed degrees. Of the total, 94 percent are employed in the U.S., and 6 percent in other countries. Fifty-two percent are in Florida and the remaining 42 percent in the U.S. are working in 28 different states. The geographic location of 121 of the 173 students is shown on page 9. While each student is filling an important role in each job, a few notable ones are:

- Director and Professor, Ocean Engineering Program and Hydrodynamics Lab, U.S. Naval Academy, Annapolis, Maryland
- Chief Forecaster, National Weather Service, NOAA, Honolulu, Hawaii
- Deputy Director, Office of Climate Observations, Office of Global Programs, NOAA, Silver Spring, Maryland
- Research Scientist, Southeast Fisheries Center, NMFS, NOAA, Miami, Florida
- Senior Aquarist, New England Aquarium, Boston, Massachusetts

The job title, employer and location of each known former student is given in Appendix Table 2, page 34.



**Sharon Hutchinson**, who earned her Ph.D. at the University of Florida in food and resource economics, is now a visiting lecturer at the University of West Indies, Trinidad. Her research explored the economic effects of alternative management tools for such valuable commercial fisheries as the spiny lobster, red snapper, and king mackerel.



**Reide Corbett** earned a master's and Ph.D. from Florida State University studying the discharge of groundwater in coastal zones. He is now an assistant professor of geology at East Carolina University.

**Students supported through federal Sea Grant research assistantships by academic discipline or degree program, 1986-2004.**

<b>Academic Discipline</b>	<b>Total</b>
Agronomy	1
Anthropology	1
Aquaculture	6
Biology <sup>a</sup>	96
Chemistry/Biochemistry	35
Education	1
Engineering <sup>b</sup>	48
Environmental Horticulture	5
Environmental and Occupational Health	3
Fisheries/Aquatic Sciences	25
Food Science and Human Nutrition	21
Forest Resources and Conservation	2
Food and Resource Economics/Economics	10
Geography	3
Geology	2
Law	4
Marine Science	18
Molecular Genetics/Microbiology	6
Oceanography	20
Pharmacology and Therapeutics	4
Soil and Water Science	2
Undergraduate, general	3
Urban and Regional Planning	5
Zoology	8
<b>TOTAL</b>	<b>329</b>

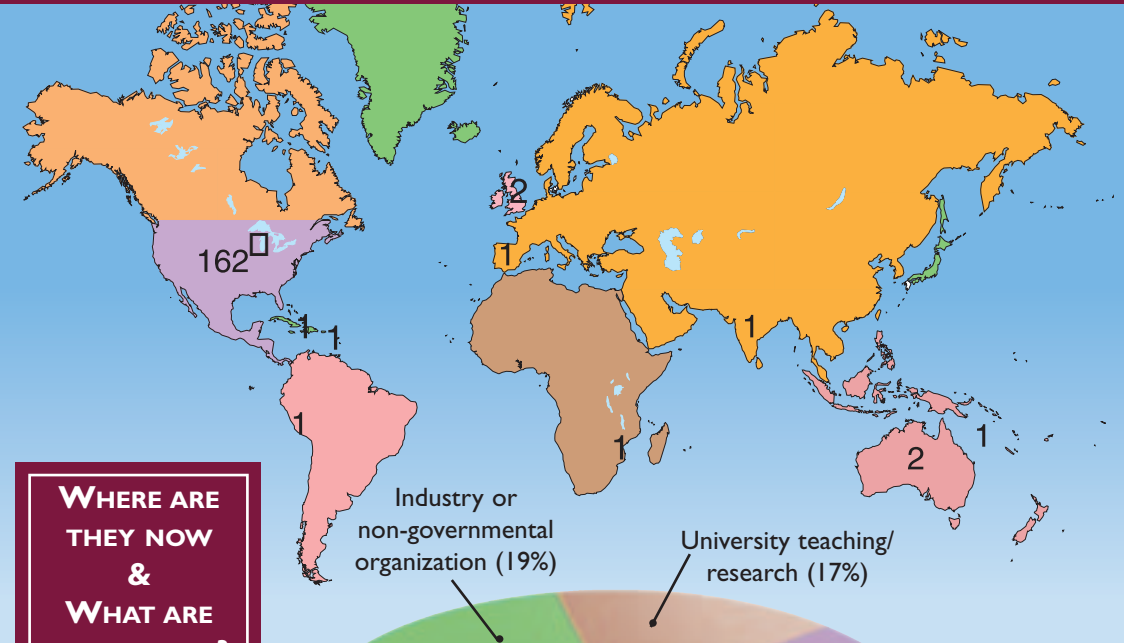
<sup>a</sup> Includes biology, biological sciences, ecology and evolutionary biology, marine biology.

<sup>b</sup> Includes agriculture, civil and coastal, civil and environmental, coastal and oceanographic, environmental, industrial systems, mechanical, ocean, oceanography and ocean, oceanography and applied marine physics.

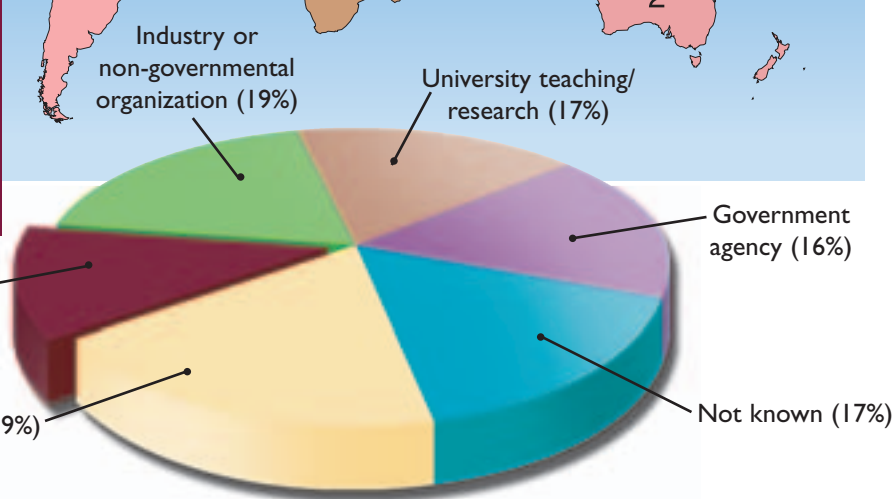


*Graduate students are trained not only in their academic discipline, but in how to organize data collection trips to coastal research sites. They learn leadership skills and also how to have some fun along the way. Pictured are FSU students **Christine Rutkowski** (left) and **Kim Burnett**.*

# RESEARCH ASSISTANTS, 1986 - 2004



**WHERE ARE THEY NOW & WHAT ARE THEY DOING?**



Location		Number	
<b>United States</b>			
Alaska	3	Minnesota	1
Alabama	1	New Jersey	1
California	6	New York	4
Delaware	1	Ohio	2
Florida	90	Oregon	4
Georgia	2	Pennsylvania	3
Hawaii	2	Puerto Rico	1
Idaho	1	South Carolina	5
Indiana	1	Tennessee	1
Kentucky	1	Texas	7
Louisiana	1	Utah	1
Maryland <sup>a</sup>	8	Vermont	1
Massachusetts	4	Virginia	9
Michigan	1	<b>TOTAL</b>	<b>162</b>
<b>International</b>			
Australia	2		
Ecuador	1		
England	2		
Haiti	1		
India	1		
Mozambique	1		
New Caledonia	1		
Spain	1		
Trinidad	1		
		<b>TOTAL</b>	<b>11</b>

<sup>a</sup> Includes District of Columbia

## **Dean John A. Knauss Marine Policy Fellowships**

The Knauss Fellowship program allows outstanding graduate students and scientific scholars who have an interest in marine/ocean/Great Lakes resources and in the national policy decisions affecting those resources to spend one year in Washington, D.C., learning and honing the skills needed for active leadership and to work in their chosen career field. The program matches highly qualified graduate students with hosts in the legislative branch, the executive branch, or appropriate associations/institutions located in the Washington, D.C. area. Named after one of Sea Grant's founders and former NOAA administrator John A. Knauss, the Knauss Fellowship program was established in 1979 to fulfill one of the objectives of the National Sea Grant College Program Act.

*“The objective of this title is to increase the understanding, assessment, development, utilization, and conservation of the nation’s ocean and coastal resources by providing assistance to promote a strong educational base...”*

*National Sea Grant  
College Program Act*

The program continues to be successful because so many marine and coastal resources are either part of the public trust or a common resource property subject to multiple usages and affected by policy, legal, and regulatory considerations. The program is intended to provide a unique educational experience to students in masters, doctoral, or professional programs in a marine or aquatic-related field or who have marine-related interests in their chosen field. It is not meant to be a training program or to just augment the legislative or executive branch workforce. Activities might include research for drafting legislation, liaison with other offices, writing policy papers, organizing hearings and witnesses, or interpreting scientific data for management issues. Many Fellows report a significant impact of this experience on their career plans.

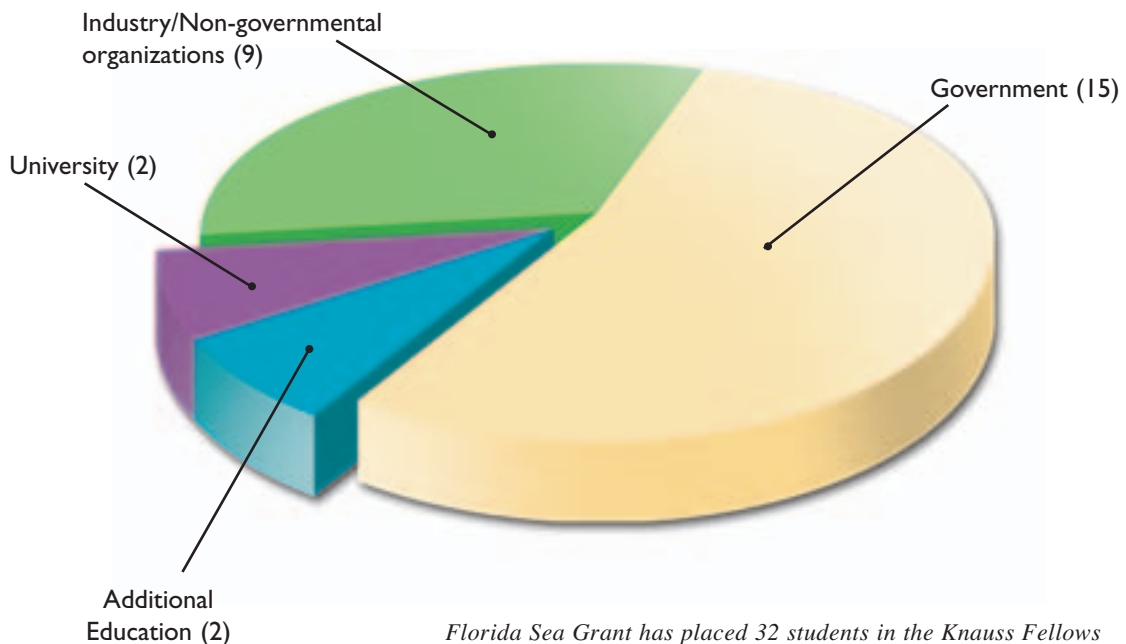
During May, each of the 31 Sea Grant Programs can nominate up to five candidates for the following year’s Class of Fellows. The nominees are reviewed, evaluated and ranked by a review panel organized by the National Sea Grant office. The top nominees are selected as finalists and in December spend a week of orientation and interviews in Washington, D.C. for placement with prospective hosts. Between 20 and 30 fellows are placed with executive branch hosts and 10 are placed in the offices of legislative hosts beginning the following February.

The 2005 Class of Knauss Fellows is the 27th class. Through 2005, there will have been about 610 participants in this excellent program, with at least one from each of the 32 Sea Grant programs. Florida Sea Grant began participating in the program in 1982, the fourth year of the program, and

has placed 32 students through 2005. This represents over 5 percent of the nation's total since 1982, and ranks sixth among all 31 Sea Grant programs. Eight Florida students served in legislative host offices and 24 in executive host offices (see Appendix Table 3, page 37).

Seven different Florida institutions have had Fellows selected: Florida Institute of Technology (8); University of Florida (8); University of Miami (7); Florida State University (4); University of West Florida (2); Florida International University (2); and Harbor Branch Oceanographic Institution (1). The 28 students who have completed the Fellows Program now work in industry/non-governmental organizations, government, universities or are working on advanced degrees. Fifty-four percent are working in federal or state governments with 11 of them, or 39 percent, working for NOAA. They are working in 12 different states and in one foreign country. One Fellow is in the 2004 Class and three will be 2005 Fellows.

### WHERE KNAUSS FELLOWS WORK (CURRENT OR LAST KNOWN EMPLOYER OF 28 FELLOWS)



*Florida Sea Grant has placed 32 students in the Knauss Fellows program. More comprehensive information on their current location is included in Appendix Table 3, page 37.*



**Wim J. van Teeffelen,**  
Florida Sea Grant's first  
Knauss Fellow, is now  
Chairman of the Board of  
Supervisors of a start-up  
telecommunications  
company with operations in  
the Netherlands, Belgium,  
and the United Kingdom.

### **Wim J. van Teeffelen**

*"This year on Capitol Hill proved to be one of the most valuable ones of my entire career. Although I left marine science, I have always been able to use my knowledge of how politics works, both in industry and government. The negotiating skills I learned have been invaluable."*

### **Mary Margaret Overby, Ph.D.**

*"The Knauss Fellowship marked a turning point in my career. As a research anthropologist, I especially appreciated the experience of learning the culture of public policy in the U.S. Congress. In my current role as Director of Governmental Relations for the American Anthropological Association, I always advise students who contact me to get experience in a public policy setting to complement their academic training."*

### **Bob Leeworthy, Ph.D.**

*"Having spent several years as a graduate student in economics at Florida State University working on many innovative Sea Grant projects, the 1985 Knauss Fellowship provided me an opportunity to extend the work I was doing in Florida to other parts of the nation. NOAA tasked me to develop a national program on research on the economic value of coastal and ocean resources. I have now spent the last 18 years implementing many components of that program. The Knauss Fellowship allowed me the opportunity to pursue a successful career devoted to marine protection."*

### **George Townsend**

*"The year I spent as a Knauss Fellow on Capitol Hill had a profound impact on my life. It provided the foundation for the career I pursued in environmental and resource management by providing a unique perspective on the path between science and management of the country's environmental resources. This path goes through a landscape of conflicting interests. The protection of human health and natural resources is balanced against many other public and private interests. I understand that good science is critical for supporting the political process."*

### **Marci Bortman, Ph.D.**

*"I have always been interested in applying the results of science to policy and management of the marine environment. The Knauss Fellowship provided me with a wonderful opportunity to do this. It was a perfect fit given my educational and professional interests. As a result of the fellowship, I continued as a Legislative Aide with Congressman Hughes for an additional three years. I continued to pursue my interests in meshing marine science and policy by earning a Ph.D. at SUNY in coastal oceanography. My research entailed investigating the relationship of water quality, sewage*



treatment, land use patterns, and environmental policy in St. Thomas, USVI. In my current job, I continue to blend science, policy and resource management with marine conservation.”

### **John L. Wickham**

“My 1989 Knauss Fellowship year was a significant event in my life, especially as it occurred at an age when many people are already well along in their professional careers. Having returned to graduate school in my mid-30s I could not envision the opportunity that would await me. The Knauss Fellowship allowed me to be involved in a number of marine science activities related to NOAA’s mission. At the end of my fellowship year I was fortunate enough to obtain permanent employment with NOAA and still work on coastal ocean science issues today. I am very grateful for the opportunities provided me by Florida Sea Grant, the Florida Institute of Technology and NOAA.”

### **Elizabeth Moore**

“The Knauss Sea Grant Fellowship was instrumental in helping me choose my career path. My initial professional interests before my fellowship began did not include working on marine protected areas. Having the opportunity to come to Washington, D.C. and broaden my exposure to all the professional avenues available to marine resource managers completely changed the direction in which I had intended to go. I was thoroughly delighted by the National Marine Sanctuary Program the first time I learned of it, and I am grateful that I have been able to spend the last ten years of my career working in the sanctuary program.”

### **Mark Eakin, Ph.D.**

“I applied for the 1991 Knauss Fellowship Class at the time I was completing my Ph.D. at the University of Miami’s Rosenstiel School of Marine and Atmospheric Sciences. At that time, I was not certain that I wanted to pursue a career in academia and was looking for other career tracks that would allow me to apply my scientific background. My year as a Knauss Fellow in NOAA’s Office of Global Programs (OGP) allowed me to experience program management and to help me decide that this was a rewarding application of my training and experience. I continued with OGP until 2000 during which time I managed programs in marine ecosystem response, paleoclimatology and later climate dynamics and experimental prediction. My experience at OGP in managing paleoclimatology funding as well as my subsequent work with the modern climate community prepared me for my current position. I would not have had those experiences if I had not received the Knauss Fellowship.”



**Mark Eakin, Ph.D.**, is currently the Chief of the NOAA Paleoclimatology Program and Director of the World Data Center for Paleoclimatology in NOAA’s Boulder, Colorado offices.



**Peter Barile**, 1994 Knauss Fellow from the Florida Institute of Technology, returning from a data collection trip to the Bahamas. Peter is a post-doctoral scientist at the Harbor Branch Oceanographic Institution.

## **Wade Bryant**

*“The experience as a Knauss Fellow allowed me to gain an understanding of federal science and resource management programs that could not be learned in the classroom. I quickly learned the value of working as part of a team and developed skills in time management, problem solving, and technical writing. The fast pace of activities and expected products during the fellowship provided invaluable experience for my current position. The experience gained by working with senior level scientists and resource managers during the fellowship fostered a level of confidence necessary to engage problems outside my field of technical expertise. The Knauss Fellowship provided an opportunity to gain experience at a level of decision-making far beyond what is available for most new graduates.”*

## **Susan Boa**

*“I will never forget the day I met the other Knauss Fellows selected my year — I was so impressed with the knowledge and experience each individual brought to the group. Second, I am ruined for job interviews forever — interviewing offices to decide which location best suited me was an extraordinary experience. And I was amazed at how many alumni of the program had high-level positions in Washington, D.C. The alumni network is an amazing roster of who’s who in the Washington, D.C. marine community. I interact regularly on a professional basis with many former Fellows and have found simply saying ‘I was a Sea Grant Fellow’ can serve as an introduction to my credentials and credibility seven years after my Fellowship. The Knauss Fellowship provides an introduction to the D.C. marine community for a young professional that simply cannot be matched any other way.”*

## **Peter Barile**

*“The Knauss Marine Policy Fellowship was an opportunity to participate in the application of science to federal policy for the management of marine resources and ecosystems. I also gained considerable experience in being a part of the peer review process for federal grant proposal consideration in the marine sciences. These experiences have been critical to my career as a scientist as I now have a stronger aptitude for understanding how my work and that of my peers fits within the context of the ‘big picture’.”*

## **Mark A. Brown, Esq.**

*“As a 1994 Knauss Fellow, I worked in the Washington, D.C. office of U.S. Rep. Peter Deutsch of Florida. I was responsible for media contacts, constituent casework, and legislative activities on agriculture and environmental issues with an emphasis on Everglades restoration initiatives. As a South Florida native, it was an honor to work with Congressman Deutsch on legislative initiatives to support the restoration of the*

Everglades and Florida Bay. The Knauss Fellowship gave me the unique opportunity to use and develop my expertise in marine policy while serving my own South Florida community. My experience as a Knauss Fellow continues to benefit me today. I am now the government's lead trial attorney for wildlife issues in several pending Everglades-related lawsuits. The subject matter expertise that I gained and the trust relationships that I built as a Knauss Fellow help me to be an effective advocate in my current capacity."

### **Sidney Thurston, Ph.D.**

"Being a Knauss Fellow allowed me the opportunity to view the workings of the U.S. government and NOAA from a very lofty perspective. I had open access to many high-level decision-makers and resources. I had the opportunity to explore how things worked, not being restricted just to get a job done. It was a once in a lifetime opportunity and I appreciated every single moment of it. Of course, this type of access and availability has been of great value in laying a solid foundation on which to build a very fruitful career."

### **Lynette Cardoch, Ph.D.**

"This fellowship was an excellent opportunity to see how marine science and policy are integrated at a headquarters level. In terms of what this means to me as a person, I was fortunate to interact with some very accomplished, intelligent coworkers that served as excellent mentors. I also benefited immensely from the interactions with the other fellows that came from such diverse backgrounds. As a young professional, I was in an environment that afforded me broad opportunities to apply my knowledge to new situations and to apply both my science and policy background. It also served as my impetus to return to school and get my Ph.D. The more I learned, the more I realized that to be an effective manager I needed to get more knowledge in certain areas. Currently, being in a regional lab with the EPA, I understand better the dynamics between the region and the head offices, which at times seem to have different time scales for activities. Now I understand the unique position and goal each office has and how to best fit into the roles."

### **Michael Devin**

"My year at the National Science Foundation gave me an appreciation for the funding process from grant writing to review system. I also learned how research priorities are developed and the avenues in which one can participate. I was exposed to all aspects of marine policy in the government by attending Senate and House hearings and visiting other agencies such as the Environmental Protection Agency and the Department of Commerce. The year was good not only in the experience that I received, but I was also able to determine that I did not want to make a career in government. The experience that I gained during my year at NSF is invaluable and I believe that without it I would not be able to do what I am doing now."



**Sidney Thurston, Ph.D.**, 1995 Knauss Fellow, was NOAA's Liaison for Asia-Pacific Partners, Office of Global Programs in Tokyo, Japan. He now is located at NOAA in Washington, D.C.



**Lynette Cardoch, Ph.D.**, 1995 Knauss Fellow, University of Miami, later completed a Ph.D., and is now a researcher with the U.S. Environmental Protection Agency in North Carolina. Collecting data at a study site is a routine part of research.



**Michael Devin**, a 1995 Knauss Fellow, works at Acadia Seafood International in Walpole, Maine. He conducts research on commercial scale culture techniques for the green sea urchin.

### **Jennifer Rahn, Ph.D.**

*“My experience as a Knauss Fellow was personally enjoyable and professionally valuable. I had the opportunity to interact with many federal coastal scientists in a wide variety of fields. I spent a considerable amount of time traveling, where I had the opportunity to network and learn new technologies and scientific techniques. My particular experience involved planning and organizing a national meeting for the USGS, the GSA and NPS for The Geology of Coastal Ecosystems Workshop, assisting members of the Coral Reef Task Force with their mapping plan (this included NOAA and NASA), as well as many other smaller projects. I gained invaluable experience and lasting professional friendships. Of the plethora of jobs and opportunities I have had in my career, I rank the Sea Grant Knauss Fellowship at the very top of the list. It was a wonderful experience.”*

### **Lillian Becker**

*“As a Sea Grant Fellow, I worked in the office of Protected Resources in the National Marine Fisheries Service (now NOAA Fisheries). I worked on the Biodiversity Team, the implementation of Executive Order 13158 on marine protected areas, and on a biogeographic project with the National Ocean Service’s (NOS) biogeographic team where information/data was gathered to map spacial data off the south central California coast. I also completed several small projects including researching, writing, and editing reports and papers. I have completely changed my career path due to this fellowship. I was not even considering a policy position or a government job but was planning on a career in academia and research. I feel like I can have as much, and maybe more, influence on marine research and its direction in the Office of Protected Resources than if I was out in the field. I also worked on permits to do research on animals listed under the Endangered Species Act and learned many new skills in the fellowship, including web page construction and maintenance, and ArcView.”*

### **Christopher Yates**

*“I worked exclusively on issues related to the International Whaling Commission (IWC). This involved formulating and coordinating U.S. policy on international whale issues; meeting with foreign delegations, NGO groups, and other U.S. officials; and representing the U.S. at IWC meetings. The duties also included extensive domestic work on highly controversial Aboriginal Subsistence Whaling issues — including preparing NEPA analyses, coordinating cooperative agreements and quota limits with native tribes, issuing Federal Register notices and conducting public hearings. The Knauss Fellowship experience proved to be one of the most rewarding of my career. My goal upon applying for the program was to work on international marine issues, and that is exactly what I was able to do. I gained valuable*



**Jennifer Rahn, Ph.D.**, a 1999 Knauss Fellow, is now an assistant professor in the geology department at Baylor University.

experience and contacts during the year, which I believe will be of great benefit to my future career goals. Additionally, the camaraderie of the fellows group was extremely enjoyable.”

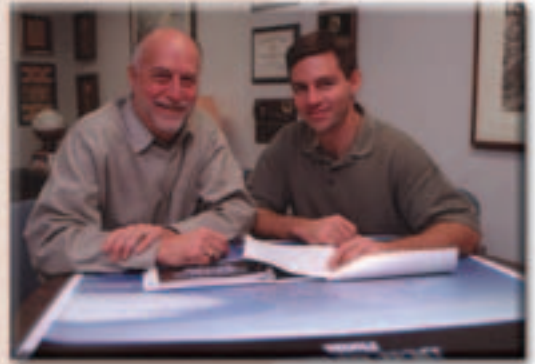
### **Martin B. Main, Ph.D.**

“During 1985, I was a Knauss Marine Policy Fellow and had the opportunity to work on the House Subcommittee on Fisheries and Wildlife Conservation and the Environment. This was perhaps one of the most educational and beneficial opportunities of my lifetime.

In addition to participating in development of environmental policy, I learned excellent lessons in team building and hard lessons regarding how to deal with obstacles and personal agendas. I later worked for the NOAA, and went on to obtain a Ph.D. in wildlife science. Today, I am an associate professor with the University of Florida, a member of the international Society for Conservation Biology Policy Committee, a research scientist, and an educator. I’ve recently established another successful partnership with Sea Grant to develop the Coastal Systems module of the Florida Master Naturalist Program (FMNP). Florida Sea Grant has contributed directly to development of the FMNP in funding and expertise and, as FMNP Instructors, Florida Sea Grant Agents are bringing another excellent educational opportunity to Florida’s citizens.”

### **Eileen Alicea**

“The Knauss Marine Policy Fellowship provided me with a highly privileged experience that I will never regret and that I recommend to any marine policy student who wants a glimpse of national marine and coastal programs or a career in this area. It provided a close look of the federal marine policy bureaucracy as it struggles to balance marine resource preservation and resource users’ interests. One of the most valuable experiences of my fellowship was the number of workshops and meetings I was required or able to attend. The opportunity to network was extensive. My experience at NOAA headquarters in Silver Spring served as a valuable educational process for learning about federal grant evaluation and processing tasks, community involvement in projects, and meeting deadlines. I became more aware about my own professional interests. Constituent participation and marine protected areas became important areas to me. I have realized that, when people learn they have a stake in the resources and receive the right to participate in the decision-making processes (not just to be consulted), the condition of coastal and marine resources improves. Learning about the complexity of the federal web of agencies and about how diplomacy and politeness play an important role in every context were valuable lessons.”



**Christopher Yates** (Knauss Fellows Class of 2001) and Florida Sea Grant Director Jim Cato, discuss the interview trip to Washington, D.C. Yates’ year was spent with the Marine Mammals Division, National Marine Fisheries Service, where he worked on international ocean policy issues related to the International Whaling Commission (IWC). This included trips to London, England, and Monaco as a member of the U.S. delegation. He is now the International Whaling Commissioner at NOAA.



**Audra Livergood** (from left) and **Eileen Alicea**, both of the University of Miami and Knauss Fellows of 2001, attend the annual Fellows reception on Capitol Hill, along with Dr. Ronald Baird, Director of the National Sea Grant College Program.

### **Audra Livergood**

*"The Knauss Fellows program helped me acquire useful administrative and program management skills because my placement required a great deal of coordination with other NOAA line offices, federal agencies, NOAA regional field staff, and non-federal groups at the national, regional, and local levels. I had the opportunity to attend intra- and inter-agency working group meetings and a workshop in Texas to discuss revisions to 'A National Strategy to Restore Coastal and Estuarine Habitat.' This was a guidance document that was prepared collaboratively by representatives from various federal and non-federal groups, academia, state and local governments, and communities*

*from across the country. I also acquired improved organizational skills and the ability to work in a very fast-paced and demanding office environment. This position allows environmental and marine scientists to use their technical knowledge when reviewing proposals and making funding recommendations."*

# Knauss Fellows



**Martin Main, Ph.D.**, 1985 Knauss Fellow, the Florida Institute of Technology, now conducts research and Extension programs on wildlife ecology, conservation and management for the Institute of Food and Agricultural Sciences, University of Florida.

**Nadia Sbeih**

*“I was a Knauss Sea Grant Fellow 2002-2003. During my fellowship year, I worked for the National Marine Sanctuary Program doing regulatory and permitting analysis. The placement ended up being completely wrong for me, but the opportunity to try something different was invaluable. I now know without a doubt that I am not interested in doing regulatory analysis. Because of the fellowship, I have defined my career path, and I know that I am capable of surviving anything—I can even thrive under less than ideal circumstances. I am currently a Communications Specialist for NOAA’s Ocean Service. I work with programs and offices across NOAA to bring together science, policy and the public. Being a Knauss Fellow afforded me opportunities to create the necessary personal connections, explore career development opportunities and pushed me to grow and learn in ways I never expected.”*



*Nadia Sbeih, a 2002 Knauss Fellow, is now a communications specialist with the NOAA National Ocean Service in Silver Spring, Maryland.*

**Carl Childs, Ph.D.**

*“My experience as a Knauss Fellow was very enlightening. I developed a new understanding of the complex interplay between science and public policy at the national level. My knowledge of NOAA and the federal budget process would have been very difficult to acquire without the opportunity to serve as a Knauss Fellow. However, the best part of the program was the privilege of working with and meeting so many bright and dedicated people. I have benefitted personally and professionally from the contacts I made as a Knauss Fellow and I feel privileged to be among the alumni of the program.”*

## ***Sea Grant Industrial Fellowships***

This fellowship program is available to graduate students enrolled in either M.S. or Ph.D. degree programs in academic institutions in the U.S., with required matching funds from industrial sponsors. Industry Fellows work on research and development projects on topics of interest to a particular industry or company. The student, the faculty advisor, the Sea Grant Program and the industry representative work together, sharing research facilities and the cost of the activity. Fellowships are advertised nationally and are for two years. About five are in place each year. Florida Sea Grant has received four industry fellowships.

<b>Year</b>	<b>Student</b>	<b>University/Advisor</b>	<b>Industry Partner</b>
1995 - 98	Maria Sparsis	Florida Institute of Technology/ Junda Lin	Atlantic Aquaculture Technologies, Inc.
2002 - 04	Andrew L. Rhyne	Florida Institute of Technology/ Junda Lin	Maritech, Inc.
2002 - 04	Christopher Tilghman	University of Florida/ Ruth Francis-Floyd	Walt Disney World
2004 - 06	Joanna Joyner-Matos	University of Florida/ David Julian	EnVirtue Biotechnologies, Inc.

## ***National Marine Fisheries Service / Sea Grant Fellows in Marine Economics and Population Dynamics***

The National Marine Fisheries Service - Sea Grant Joint Graduate Fellowship Program in Population Dynamics and Marine Resource Economics was established in 1999. An annual national competition funds four to six fellowships. The goals of this program are to (1) encourage qualified applicants to pursue careers in population dynamics and stock assessment methods or marine resource economics, (2) increase the available expertise in assessing living marine resource stocks or the economic analysis of conserving or managing them, (3) foster closer relationships between academic and NMFS scientists; and (4) provide real-world experience to graduate students and accelerate their career experience. Fellows spend summer internships at NMFS facilities. Several Florida students have applied to this program to date, but none have been selected.

## ***NOAA Coastal Services Center Coastal Management Fellowship***

The NOAA Coastal Services Center Coastal Management Fellowship program was established in 1996 to provide professional on-the-job education and training opportunities for postgraduate students in coastal resource management and policy and to provide specific



technical assistance to state coastal resource management programs. The program matches highly qualified, recently graduated masters, professional, and doctoral degree students with hosts around the U.S. in state coastal zone management programs. For two years, the recipients work on substantive state-level coastal resource management issues that pertain to federal management policies and regulations. Florida has had two applicants selected for this program.

<b>Year</b>	<b>Student</b>	<b>University</b>	<b>Host Program</b>
1996 - 98	Chris Cornelisen	Florida Institute of Technology	Massachusetts Office of Coastal Zone Management
2003 - 05	Rebekah Walker	Nova Southeastern University	South Carolina Office of Ocean and Coastal Resource Management/ South Carolina Department of Natural Resources

# *Private Funds*



*Aylesworth Foundation for the Advancement of Marine Sciences*

*Old Salt Fishing Club*

*Chuck Skoch Florida Sea Grant Scholarship*

## Aylesworth Foundation for the Advancement of Marine Sciences

Ralph and Kitty Aylesworth, long-time members of the Florida fishing industry, established the Aylesworth Foundation for the Advancement of Marine Sciences in 1984. They created the foundation to make a permanent investment in the fishing and seafood industry. The Aylesworths believed that scientific knowledge in marine related areas coupled with decisions based on environmental and conservation factors will prove to be the only way to develop, utilize and manage Florida's renewable marine resources on a long-term basis.

The Foundation is now operated by a Board of Directors with current or previous ties to the Aylesworth family, the seafood industry, fishery management agencies and the academic institutions in Florida. Each fall semester, the Foundation advertises for scholarship applications throughout all 14 academic institutions participating in the Florida Sea Grant College Program. Students are chosen by the Foundation as scholarship recipients based on a competitive process. Any student interested in pursuing a marine or coastal related academic program in a Florida college or university is eligible to apply, with the focus of the scholarship program based on master's and doctoral level students. Successful students must demonstrate financial need with academic merit, leadership and personal character also considered. Long-time Florida residents receive preference. Conducted as a partnership program with the Southeastern Fisheries Association (SFA), new scholarship recipients are recognized at the awards and installation luncheon at the annual meeting of SFA.

The first scholarship competition was held in 1986 and the first scholarship was awarded at the beginning of 1987. To date, 76 students in 12 Florida universities have received the prestigious scholarships. With a total commitment to date of \$427,974, the average scholarship has been \$5,631 over a student's M.S. or Ph.D. program. Of the 76 students, 66 have completed degree programs and 10 are still receiving scholarship support or completing their degree program (see page 24).



*The late Ralph and Kitty Aylesworth established the Aylesworth Foundation for the Advancement of Marine Sciences. They were long-time members of the Southeastern Fisheries Association and active in the development of the Florida seafood industry.*





**Thomas Chesnea** completed a Ph.D. in environmental engineering sciences at the University of Florida with Aylesworth Scholarship support. He is now an assistant professor of biology at Palm Beach Atlantic University, Palm Beach, Florida.

The University of Florida, University of South Florida, Florida Institute of Technology and Florida State University have had the most students. Seventeen different academic disciplines have been supported, with biology/marine science and food science and human nutrition students receiving the most frequent support (see page 25).

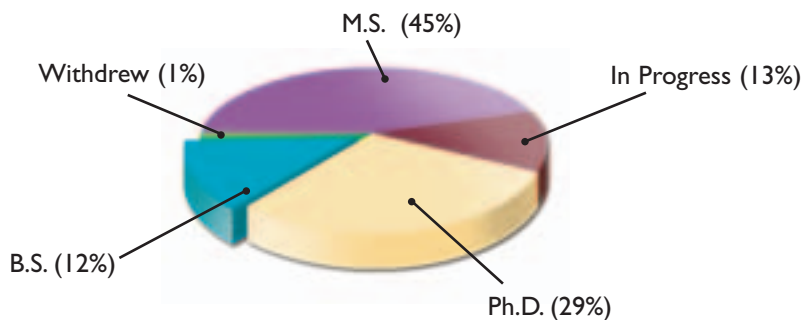
Students completing degrees have begun careers in occupations that will have a direct impact on the fishing, seafood or marine industries. Others are continuing their education with additional degrees, mostly at the Ph.D. level (Appendix Table 4). Of the 66 students who are now at work, based on their current or last known job, 32 of them, or 48 percent are working in Florida. The rest are employed in 14 other states and two other countries.



**Lesbeth Rodriguez** studied under Dr. Russell Kerr at Florida Atlantic University with an Aylesworth Scholarship. She completed her M.S. in chemistry in 1997 focusing on techniques to use marine natural products in the pharmaceutical industry. Lesbeth enrolled in a Ph.D. program at the University of Pennsylvania.

### AYLESWORTH SCHOLARSHIPS 1987 - 2004

(76 STUDENTS — BY DEGREE)



### BY UNIVERSITY

University <sup>a</sup>	Degree Completed	In Process
Eckerd College	1	0
Florida Atlantic University	4	0
Florida Gulf Coast University	1	0
Florida Institute of Technology	9	0
Florida State University	8	1
New College of Florida	1	1
Nova Southeastern University	3	0
University of Central Florida	2	1
University of Florida	27	5
University of North Florida	2	1
University of South Florida	16	1
University of West Florida	2	0
<b>TOTAL</b>	<b>76</b>	<b>10</b>

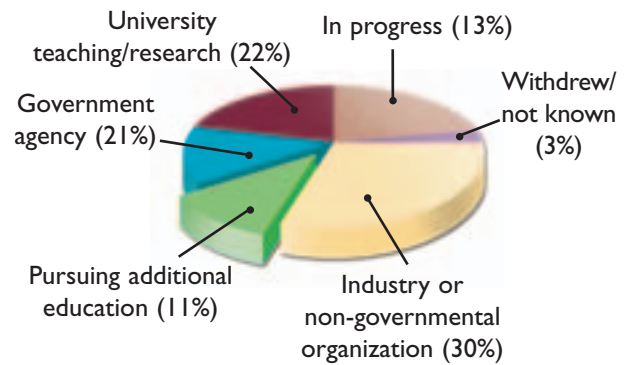
<sup>a</sup> Students from Florida A&M University, Florida International University and the University of Miami have not been selected to date, although they are encouraged to apply.



The recipients of the Aylesworth Foundation for the Advancement of Marine Sciences Scholarship are honored annually at the awards banquet of the Southeastern Fisheries Association. In May, 2001, Bob and Dawn Aylesworth (left) presented winners (from left) **John Baker**, University of Florida; **Kelly Felkey**, University of Florida; **Amber Coleman**, Florida Atlantic University; and **Rebecca McNair**, University of Florida.

### WHERE AYLESWORTH SCHOLARSHIP RECIPIENTS NOW WORK

Location		Number	
<b>United States</b>			
Alabama	1	New York	1
California	5	North Carolina	1
Florida	32	Oregon	1
Georgia	2	Pennsylvania	1
Kansas	1	South Carolina	4
Louisiana	2	Texas	2
Maryland	2	Virginia	2
Massachusetts	1	Washington	1
Nebraska	1	West Virginia	1
<b>TOTAL</b>		<b>162</b>	
<b>International</b>			
Australia		1	
Columbia		1	
<b>TOTAL</b>		<b>2</b>	



### TOP ACADEMIC DISCIPLINES OF AYLESWORTH SCHOLARS

Academic Discipline	Completed	In Process	Total
Anthropology	1	0	1
Biology/Marine Science	22	3	25
Chemistry	5	0	5
Coastal Management	1	0	1
Economics	1	0	1
Engineering/Environmental Engineering	5	1	6
Environmental Education	2	0	2
Fisheries/Aquatic Sciences	2	2	4
Food Science and Human Nutrition	9	0	9
Geology	1	0	1
Journalism	2	0	2
Marine Ecology	3	3	6
Microbiology	3	0	3
Natural Science	0	1	1
Oceanography	4	0	4
Urban and Regional Planning	1	0	1
Zoology	4	0	4
<b>TOTAL</b>	<b>66</b>	<b>10</b>	<b>76</b>

## Old Salt Fishing Club

The Old Salt Fishing Club of Madeira Beach, Florida was formed in 1975 as one result of a partnership between fishermen and the scientific community studying the Loop Current in the Gulf of Mexico. As their logo proclaims, club members are dedicated to sportfishing with the goals of recreation, sci-



ence and conservation. Club members voted in 1992 to fund a scholarship with the proceeds of their annual Old Salt Loop Billfish Tournament and from other donations. The Old Salt students may be interested in any academic discipline having direct application in marine science ranging from basic biology and engineering to economics. The Old Salt Fishing Club award is for students and for enrollment at the University of South Florida, since this is the university with major marine programs in the St. Petersburg, Florida area where most of the Club members reside.



**Jennifer Jarrell** completed her M.S. in marine science at the University of South Florida in 2002 with the aid of both an Old Salt and Aylesworth scholarships. Her thesis was on the reproductive status of red grouper. Jennifer is now a biologist at the National Estuarine Research Reserve in Georgetown, South Carolina.

The first “Old Salt” scholarship was awarded in 1993. Since then, 12 students at the University of South Florida have been awarded scholarships totaling \$31,350, or about \$2,612 per student. These scholarships are sometimes supplemented by the Aylesworth Foundation scholarships, since the “Old Salt” scholarship program is administered by the Aylesworth Foundation for the Advancement of Marine Sciences. Seven students have completed Ph.D.’s, two a master’s degree, and two are currently completing degrees and are currently receiving a scholarship. One withdrew from the degree program.

Most “Old Salt” students have majored in marine science, microbiology or biology, and one majored in marine botany. Of the nine who have completed degrees, five are employed as government agency marine-related researchers, two are continuing their education, one is teaching at a university and one is self-employed.

### TOP ACADEMIC DISCIPLINES OF OLD SALT SCHOLARS

Academic Discipline	Completed	In Process	Total
Microbiology/Biology	3	1	4
Marine Science	5	1	6
Botany	1	0	1
<b>TOTAL</b>	<b>9</b>	<b>2</b>	<b>4</b>

## Chuck Skoch Florida Sea Grant Scholarship

In 1997, the Charles Skoch family of Boynton Beach, Florida, created an endowment within the University of Florida Foundation, which funds a \$1,000 per year Chuck Skoch Florida Sea Grant Scholarship. The first scholarship was awarded in 1998. In this program, a high school senior student is selected through competition in the Florida Annual State Science and Engineering Fair as conducted statewide by the Florida Foundation for Future Scientists.



The winner of the 1999 Chuck Skoch Sea Grant Scholarship was **J. Michael Tyler**. Pictured here with Florida Sea Grant Director Jim Cato and the late Ms. Vilma Skoch, mother of Chuck Skoch. Michael received his award at the Florida Science and Engineering Fair awards presentation at Sea World of Florida.

The student must be a senior in the Science Fair competition and intend to major in marine biology, zoology, oceanography, ocean and coastal engineering, fisheries, aquaculture, seafood technology or a social science with a marine studies option. The scholarship must be used for the following freshman year for enrollment in a Florida university or community college. A Sea Grant associated faculty member (nearby Extension faculty or Campus Coordinator) selects the winning project/student each year at the Science Fair, and a member of the Skoch family presents the award during the awards ceremony. The award winners to date are listed below.

Year	Student	High School	University Attended
1998	Clint P. Stevens	Boca Raton High, Boca Raton	University of Central Florida
1999	J. Michael Tyler	Wildwood High, Wildwood	University of Florida
2000	Daniel F. Carlson	Center for Advanced Technologies, St. Petersburg	Stetson University
2001	Amanda J. Boller	Center for Advanced Technologies, St. Petersburg	University of West Florida
2002	Diana Masters	Bay High School, Panama City	Gulf Coast Community College
2003	Eric Turner	Union High School, Lake Butler	Lake City Community College
2004	Jessica A. Caesar	Rockledge High School, Rockledge	University of Central Florida



**Jessica Caesar** (center), Rockledge High School, Rockledge, Florida, won the 2004 Skoch Scholarship. Jessica was presented the award by Sabrina Skoch (left), daughter of Chuck Skoch, and Diane Skoch Durney (right), sister of Chuck Skoch.

# Appendices



*Table 1. Degree Information . . . . . page 29*

*Table 2. Occupations and Locations . . . . . page 34*

*Table 3. Knauss Fellows . . . . . page 37*

*Table 4. Aylesworth and Old Salt Students . . . . . page 40*



**TABLE I. DEGREE INFORMATION**

Detailed degree information on completed graduate students supported by Florida Sea Grant, and graduate and undergraduate students supported by the Aylesworth Foundation for the Advancement of Marine Science and the Old Salt Fishing Club, 1986-2004.

Student	Graduation	Degree	Academic Department	Major Professor	Sponsor
<b>Eckerd College</b>					
S. Obrochta	1997	U.	Marine Ecology	N/A	Aylesworth
<b>Florida A&amp;M University</b>					
A.K.M. Islam	2000	M.S.	Civil & Environmental Engineering	N. Yazdani	Sea Grant
<b>Florida Atlantic University</b>					
S. Dohlen	1987	M.S.	Ocean Engineering	D.V. Reddy	Sea Grant
B. Leader	1992	Ph.D.	Ocean Engineering	J. Marshall	Aylesworth
L. Rodriguez	1997	M.S.	Chemistry	R. Kerr	Aylesworth
P. Andrade	1999	M.S.	Chemistry & Biochemistry	R. Kerr	Sea Grant
H.A. Fawehinmi	1999	M.S.	Chemistry & Biochemistry	R. Kerr	Sea Grant
S. Jeedigunta	1999	M.S.	Chemistry & Biochemistry	R. Kerr	Sea Grant
R. Thornton	2000	M.S.	Chemistry & Biochemistry	R. Kerr	Sea Grant
D. Hugus	2000	M.S.	Ocean Engineering	W. Hartt	Sea Grant
A. Kohl	2002	Ph.D.	Chemistry & Biochemistry	R. Kerr	Sea Grant/ Aylesworth
E. Ramlakhan	2002	M.S.	Chemistry & Biochemistry	F. Mari	Sea Grant
<b>Florida Gulf Coast University</b>					
S. Hammermeister	2000	U.	Environmental Studies	Greg Tolley	Aylesworth
<b>Florida Institute of Technology</b>					
M.B. Main	1986	M.S.	Oceanography	W. Nelson	Sea Grant
A. Picchi	1987	M.S.	Biological Science	N/A	Aylesworth
J.S. Hoel	1987	M.S.	Oceanography & Ocean Engineering	D. Stauble	Sea Grant
J.C. Gorham	1988	Ph.D.	Biological Sciences	W.S. Alevizon	Sea Grant
M.J. Kehl	1990	M.S.	Oceanography & Ocean Engineering	W. Nelson	Sea Grant
M.L. Hunte	1990	M.S.	Biology	F.E. Friedl	Sea Grant
R. Mojica, Jr.	1991	M.S.	Biological Sciences	W. Nelson	Sea Grant
M.A. Johnson	1991	M.S.	Oceanography & Ocean Engineering	W.R. Dally	Sea Grant
A. Rhodes	1992	M.S.	Coastal Zone Management	G. Zarillo	Aylesworth
P. Barile	1993	M.S.	Marine Biology	A. Stoner, C. Young	Aylesworth
P.R. Sack	1993	M.S.	Oceanography & Ocean Engineering	W.R. Dally	Sea Grant
S.F. Barkaszi	1993	M.S.	Oceanography	W.R. Dally	Sea Grant
K. Hoffman	1994	U.	Marine Molecular Biology	N/A	Aylesworth
S.W. Harden	1994	M.S.	Biological Oceanography	D.R. Norris	Sea Grant
C.A. Brown	1995	M.S.	Oceanography	W.R. Dally	Sea Grant
S. Thurston	1995	M.S.	Oceanography & Ocean Engineering	G. Zarillo	Sea Grant
M. Rauscher	1996	U.	Oceanography	N/A	Aylesworth
S. Peters	1998	M.S.	Environmental Education	T. Marchinkowski	Aylesworth
R. Willoughby	1998	M.S.	Biological Sciences	S. Pomponi	Sea Grant
M. Van Ert	1999	M.S.	Biological Sciences	J. Grimwade	Sea Grant
E. Enright	2000	M.S.	Biological Sciences	S. Pomponi	Sea Grant
C. Calica	2001	M.S.	Biological Sciences	J. Grimwade	Sea Grant
K. Berresford	2001	M.S.	Biological Sciences	E. Irlandi	Sea Grant
P. Barile	2001	Ph.D.	Environmental Science	B. LaPointe	Aylesworth
T. O'Connell	2002	M.S.	Biological Sciences	J. Grimwade	Sea Grant
L. Schumacher	2002	M.S.	Biological Sciences	J. Grimwade	Sea Grant
R. Willoughby	2002	Ph.D.	Biological Sciences	S. Pomponi	Sea Grant
J. Licameli	2004	M.S.	Biological Sciences	R. Turingan	Sea Grant
C. Lapilli	2004	M.S.	Civil Engineering	J. Pinelli	Sea Grant
<b>Florida International University</b>					
G. Telesnicki	1993	M.S.	Biology	W. Goldberg	Sea Grant
F. Meredith	2002	M.S.	Biological Sciences	J. Fourqurean	Sea Grant
R. Von Sternberg	2002	Ph.D.	Biological Sciences	L. Quackenbush	Sea Grant

Student	Graduation	Degree	Academic Department	Major Professor	Sponsor
<b>Florida State University</b>					
A. Cardec	1987	Non-thesis or Post-doc	Urban and Regional Planning	A. Dzurik	Sea Grant
A. Tallarico	1987	Non-thesis or Post-doc	Urban and Regional Planning	A. Dzurik	Sea Grant
S.J. Bedosky	1987	M.S.	Geology		Sea Grant
M.J. Butler	1988	Ph.D.	Biology	W. Herrnkind	Sea Grant
M.J. Butler	1988	Ph.D.	Biological Science	W. Herrnkind	Aylesworth
K. Smith	1990	M.S.	Biology	W. Herrnkind	Sea Grant
J. Pompe	1990	M.S.	Economics	F. Bell	Sea Grant
J. Pospichal	1993	Ph.D.	Geology	S. Wise	Aylesworth
M. Beck	1995	Ph.D.	Biological Science	D. Simberloff	Aylesworth
S. Lewers	1995	M.S.	Urban and Regional Planning	R.E. Deyle	Aylesworth
M.J. Childress	1995	Ph.D.	Biological Science	W. Herrnkind	Sea Grant/ Aylesworth
M. Kuhlmann	1996	Ph.D.	Biological Science	W. Herrnkind	Sea Grant
K.S. Dillon	1998	M.S.	Oceanography	J.P. Chanton	Sea Grant
L. Rasmussen	1998	M.S.	Oceanography	J.P. Chanton	Sea Grant
C.M. Rutkowski	1998	M.S.	Oceanography	J.P. Chanton	Sea Grant
M. Boswell	1999	M.S.	Urban and Regional Planning	R.E. Deyle	Sea Grant
J. MacDonald	1999	M.S.	Urban and Regional Planning	R.E. Deyle	Sea Grant
M. Murray	2001	M.S.	Biological Sciences	N. Marcus	Sea Grant
J. Michael- Noonkester	2001	M.S.	Urban and Regional Planning	R. E. Deyle	Sea Grant
J. Lambert	2001	Ph.D.	Curriculum & Instruction	P. Gilman, G. Dausm	Sea Grant
C. Sedlacek	2003	M.S.	Oceanography	N. Marcus	Sea Grant
K. Dillon	2003	Ph.D.	Oceanography	J. Chanton	Sea Grant
S. Stringer	2004	M.S.	Oceanography	W. Burnett	Sea Grant
<b>Harbor Branch Oceanographic Institution</b>					
T. Tan	1992	Non-thesis	Aquaculture Division	D. Vaughn	Sea Grant
A. Gustafson	1992	Non-thesis	Aquaculture Division	D. Vaughn	Sea Grant
R. Willoughby	1998	M.S.	Biological Sciences	S. Pomponi	Sea Grant
E. Enright	2000	Non-thesis	Biological Sciences	S. Pomponi	Sea Grant
<b>Nova Southeastern University</b>					
S.M. Morris	1993	M.S.	Marine Biology	R.E. Dodge, J. McCreary	Sea Grant
J. Braker	1995	M.S.	Oceanography	G. Kleppel	Sea Grant
R. Sherman	1996	U.	Ocean Studies	N/A	Aylesworth
R. Sherman	1997	M.S.	Marine Biology	R. Speiler	Aylesworth
G. Stone	1997	M.S.	Oceanography	G. Kleppel, M. McCreary	Sea Grant
R. Sherman	2000	Ph.D.	Oceanography	R. Speiler	Aylesworth
D. Abercrombie	2003	M.S.	Oceanography	M. Shivji	Sea Grant
J. Neilsen	2004	M.S.	Oceanography	M. Shivji	Sea Grant
<b>Old Dominion University</b>					
J.M. Field	1993	M.S.	Biology	M. Butler	Sea Grant
G. Hyde	1993	M.S.	Biology	M. Butler	Sea Grant
C. Acosta	1997	Ph.D.	Biology	M. Butler	Sea Grant
D. Hansen	1998	M.S.	Biology	M. Butler	Sea Grant
J. Schratwieser	1999	M.S.	Biology	M. Butler	Sea Grant
T. Dolan	2000	M.S.	Biological Science	M. Butler	Sea Grant
D. Behringer	2001	M.S.	Biology	M. Butler	Sea Grant
D. Robertson	2001	Ph.D.	Biology	M. Butler	Sea Grant
J. Heisig	2002	M.S.	Biology	M. Butler	Sea Grant
<b>University of Central Florida</b>					
S. Clark	1989	M.S.	Biological Science	F. Snelson	Aylesworth
L. Wall	2004	M.S.	Biology	L. Walters	Sea Grant
J. Liss	2004	M.S.	Biology	L. Walters	Sea Grant

Student	Graduation	Degree	Academic Department	Major Professor	Sponsor
<b>University of Florida</b>					
D.L. Kriebel	1986	Ph.D.	Coastal & Ocean Engineering	R. Dean	Sea Grant
M. Perez	1987	M.S.	Food Science & Human Nutrition	C.D. Baird, J.C. Deng	Sea Grant
M.E. Rowan	1987	M.S.	Environmental Engineering Sciences	J.P. Heaney	Sea Grant
W.R. Dally	1987	Ph.D.	Coastal & Ocean Engineering	R. Dean	Sea Grant
K. Fink	1988	M.S.	Food Science & Human Nutrition	M. Marshall	Aylesworth
M.E. Will	1988	Ph.D.	Soil Science	D.M. Sylvia	Sea Grant
J.D. Lea	1988	Ph.D.	Food and Resource Economics	J.S. Shonkwiler	Sea Grant
A. Haejung	1989	M.S.	Food Science & Human Nutrition	C. Wei	Sea Grant
H. An	1989	Ph.D.	Food Science & Human Nutrition	C. Wei	Aylesworth
T. Toue	1989	M.S.	Coastal & Ocean Engineering	H. Wang	Sea Grant
T.K. Frazer	1990	M.S.	Fisheries & Aquaculture	W.J. Lindberg	Sea Grant
K. Schneider	1991	Ph.D.	Food Science	G. Rodrick	Aylesworth/ Sea Grant
C.T.J. Lin	1991	M.S.	Food & Resource Economics	E. Babb	Sea Grant
L. Applewhite	1991	M.S.	Food Science & Human Nutrition	W.S. Otwell	Sea Grant
M. Ali	1991	Ph.D.	Food Science & Human Nutrition	M.R. Marshall	Sea Grant
W.J. Birbari	1991	Ph.D.	Food Science & Human Nutrition	G.E. Rodrick	Sea Grant
J. van Heiningen	1992	M.S.	Fisheries & Aquatic Sciences	W. Lindberg	Aylesworth
L. Bouchelle	1992	M.S.	Food & Resource Economics	E. Thunberg	Aylesworth
T. Huang	1992	Ph.D.	Food Science & Human Nutrition	C. Wei	Aylesworth/ Sea Grant
F. Sesto	1992	M.S.	Geography	G.A. Antonini	Sea Grant
S.A. Houston	1992	M.S.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
J.R.H. Grant	1992	M.S.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
P.A. Work	1992	Ph.D.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
J.A. Ley	1992	Ph.D.	Environmental Engineering Sciences	C. Montague	Sea Grant
S. Zengel	1993	M.S.	Environmental Engineering Sciences	C. Montague	Aylesworth
S.G. Holiman	1993	M.S.	Food & Resource Economics	E. Thunberg	Sea Grant
J. Chen	1993	Ph.D.	Food Science & Human Nutrition	M.R. Marshall	Sea Grant
S. Murphy	1993	M.S.	Food Science & Human Nutrition	G.E. Rodrick	Sea Grant
S. Darling	1993	Non-Thesis or Post-doc	Food Science & Human Nutrition	G.E. Rodrick	Sea Grant
P.E. Dompe	1993	M.S.	Coastal & Oceanographic Engineering	D.M. Hanes	Sea Grant
T.P. Mason	1993	M.S.	Coastal & Oceanographic Engineering	D.M. Hanes	Sea Grant
K. Bjorgo	1994	U.	Marine Ecology	N/A	Aylesworth
D. Prodigio	1994	M.S.	Journalism & Communications	K. Walsh-Childers	Aylesworth
H. Narain	1994	M.S.	Industrial & Systems Engineering	S. Yeralan	Sea Grant
E. Hamouda	1994	M.S.	Industrial & Systems Engineering	S. Yeralan	Sea Grant
X. Chen	1994	Ph.D.	Coastal & Ocean Engineering	P. Sheng	Sea Grant
V.L. Jones	1994	M.S.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
L. Charles	1994	M.S.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
D. Janies	1995	Ph.D.	Zoology	L. McEdward	Aylesworth
C. McNeil	1995	M.S.	Fisheries & Aquatic Sciences	W. Lindberg	Aylesworth
C. Obordo	1995	U.	Zoology	N/A	Aylesworth
S. Goswami	1995	M.S.	Agricultural Engineering	C.D. Baird	Sea Grant
D. Luzuriaga	1995	M.S.	Food Science & Human Nutrition	M.O. Balaban	Sea Grant
S. Alfageme	1995	M.S.	Coastal & Ocean Engineering	H. Wang	Sea Grant
X. Wang	1995	M.S.	Coastal & Ocean Engineering	H. Wang	Sea Grant
D. Dixon	1996	Ph.D.	Food Science & Human Nutrition	G. Rodrick	Aylesworth
D. Weaver	1996	M.S.	Zoology	F. Maturo	Aylesworth
J. Zheng	1996	Ph.D.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
C. Rains	1997	M.S.	Food Science & Human Nutrition	S. Otwell	Aylesworth
K. Quigley	1997	M.S.	Food & Resource Economics	J.W. Milon	Sea Grant
J.K. Jackson	1997	Ph.D.	Microbiology & Cell Science	M.L. Tamplin	Sea Grant
D.J. Newman	1998	M.S.	Food Science & Human Nutrition	M.O. Balaban	Sea Grant
M. Gross-Arnold	1998	Law	College of Law	R. Hamann	Sea Grant
J. Brooks	1998	Law	College of Law	R. Hamann	Sea Grant
C. Pearce	1998	Law	College of Law	R. Hamann	Sea Grant
S. Arnold	1998	Law	College of Law	R. Hamann	Sea Grant
E. Lore	1998	M.S.	Food Science & Human Nutrition	M. Marshall	Sea Grant
J. Cheng	1998	M.S.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
C. Sidman	1998	Ph.D.	Geography	G.A. Antonini	Sea Grant

Student	Graduation	Degree	Academic Department	Major Professor	Sponsor
<b>University of Florida (Continued)</b>					
P.W. Box	1998	Ph.D.	Geography	G.A. Antonini	Sea Grant
P. Stevens	1999	M.S.	Environmental Engineering Sciences	C. Montague	Aylesworth
M. Wood	1999	M.S.	Food Science & Human Nutrition	G. E. Rodrick	Aylesworth
D. Luzuriaga	1999	Ph.D.	Food Science & Human Nutrition	M.O. Balaban	Sea Grant
R. Swett	1999	Ph.D.	Geography	G.A. Antonini	Sea Grant
R.D. McClellan	1999	M.S.	Coastal & Ocean Engineering	M.K. Ochi	Sea Grant
C. Denny	2000	M.S.	Forest Resources and Conservation	T. Stein	Sea Grant
E. Niciu	2000	Ph.D.	Zoology	L. McEdward	Aylesworth
S.K. Notestein	2000	M.S.	Fisheries & Aquatic Sciences	T. Frazer	Sea Grant
T.P. Glancy	2000	M.S.	Fisheries & Aquatic Sciences	C.E. Cichra	Sea Grant
G.C. Tilghman	2000	M.S.	Fisheries & Aquatic Sciences	R. Francis-Floyd	Sea Grant
A.M. de Oliveira	2000	Ph.D.	Food Science & Human Nutrition	M.O. Balaban	Sea Grant
D. Ranamuka	2000	Ph.D.	Environmental Horticulture	M. Kane	Sea Grant
Arachchi					
P. Ross	2000	M.S.	Food Science & Human Nutrition	S. Otwell	Sea Grant
K. Cervený	2001	M.S.	Molecular Genetics and Microbiology	D. Duckworth	Sea Grant
S.B. Eakin	2001	M.S.	Fisheries & Aquatic Sciences	E. Phlips	Sea Grant
J. Hayes	2001	M.S.	Coastal & Ocean Engineering	R.G. Dean	Sea Grant
R. Benner	2001	Ph.D.	Food Science & Human Nutrition	S. Otwell	Sea Grant
L. Vigliola	2001	Non-thesis	Zoology	C. Osenberg	Sea Grant
T. Jackson	2001	U.	Mechanical Engineering	C. Niezrecki	Sea Grant
P. Stephens	2002	Ph.D.	Environmental Engineering Sciences	C. Montague	Aylesworth
K. Stephan	2002	M.S.	Forest Resources and Conservation	T. Stein	Sea Grant
M. Palma	2002	M.S.	Food and Resource Economics	F. Wirth	Sea Grant
M. Lopez	2002	M.S.	Food and Resource Economics	C. Adams	Sea Grant
J. Brown	2002	M.S.	Coastal and Civil Engineering	R. Dean	Sea Grant
D. Mesty	2002	M.S.	Food Science and Human Nutrition	G. Rodrick	Sea Grant/ Aylesworth
T. Chesnea	2002	Ph.D.	Environmental Engineering Sciences	C. Montague	Aylesworth
J. Engle	2003	M.S.	Coastal and Civil Engineering	R. Theike	Sea Grant
J. MacMahan	2003	Post-doc	Coastal and Civil Engineering	R. Dean	Sea Grant
R. Weaver	2003	M.S.	Coastal and Civil Engineering	K. Gurley	Sea Grant
T. Flores	2004	M.S.	Ag and Biological Engineering	B. Welt	Sea Grant
K. Felkey	2002	M.S.	Food Science and Human Nutrition	K. Schneider	Aylesworth
R. McNair	2002	M.S.	Interdisciplinary Ecology	B. Dehgan	Aylesworth
J. Hale	2002	M.S.	Fisheries and Aquatic Sciences	T. Frazer	Sea Grant
M. Hart	2002	M.S.	Fisheries and Aquatic Sciences	W. Lindberg	Sea Grant
B. Chockley	2002	M.S.	Zoology	C. Osenberg	Sea Grant
L. Vigliola	2002	Post-doc	Zoology	C. Osenberg	Sea Grant
M. Campbell	2003	M.S.	Food Science and Human Nutrition	A. Wright	Sea Grant
W. Rubenstein	2003	M.S.	Food and Resource Economics	S. Larkin	Sea Grant
M. Jepson	2004	Ph.D.	Anthropology	A. Oliver-Smith	Sea Grant/ Aylesworth
J. Wilson	2004	Ph.D.	Zoology	C. Osenberg	Sea Grant
S. Hutchinson	2004	Ph.D.	Food and Resource Economics	S. Larkin	Sea Grant
G. Jayashree	2004	M.S.	Ag and Biological Engineering	B. Welt	Sea Grant
<b>University of Miami</b>					
T.W. Baynes	1986	M.S.	Biology & Living Marine Resources	A.S. Froelich, N.M. Ehrhardt	Sea Grant
V.R. Restrepo	1989	Ph.D.	Marine Science	N.M. Ehrhardt	Sea Grant
M.A. Yanez	1989	M.S.	Applied Marine Physics & Ocean Engineering	J. van de Kreeke	Sea Grant
K.A. Ludwig	1989	M.S.	Ocean Engineering	D.M. Hanes	Sea Grant
A.M. Eklund	1996	Ph.D.	Marine Biology & Fisheries	A.M. Szmant, J.A. Bohnsack	Sea Grant
C. Legault	1997	Ph.D.	Biology	N. M. Ehrhardt	Sea Grant
M. Ortiz	1998	Ph.D.	Marine Biology & Fisheries	N. M. Ehrhardt	Sea Grant
J. Matera	2000	M.S.	Marine Affairs	D. Benetti	Sea Grant
J. Alarcon	2002	M.S.	Marine Biology and Fisheries	D. Benetti	Sea Grant
J. Rotman	2002	M.S.	Marine Biology and Fisheries	D. Benetti	Sea Grant

Student	Graduation	Degree	Academic Department	Major Professor	Sponsor
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#### University of North Florida

J. Carr	2002	U	Chemistry and Physics	K.Venkattasubban	Aylesworth
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#### University of South Florida

M.A. Mangini	1986	Ph.D.	Biology	R. Wilson	Sea Grant
J.G. Hutton	1986	M.S.	Marine Science	A.C. Hine	Sea Grant
K.R. Schneider	1987	M.S.	Environmental & Occup. Health	G.E. Rodrick	Sea Grant
F.A. Steslow	1987	M.S.	Environmental & Occup. Health	G.E. Rodrick	Sea Grant
G. McGarrey	1987	M.S.	Marine Science	L. Doyle	Sea Grant
F.J. Sierra, Jr.	1988	M.S.	Environmental & Occup.I Health	C.I. Noss	Sea Grant
W.H. Jeffrey	1989	Ph.D.	Marine Science	J.H. Paul	Sea Grant
M. Flynn	1989	M.S.	Chemistry	D. Martin	Aylesworth
S. Brown	1990	M.S.	Marine Science	T. Bert	Sea Grant
D. McGarey	1991	Ph.D.	Biology	D. Lim	Aylesworth
M. Tringali	1991	M.S.	Marine Science	R. Wilson	Aylesworth
K.A. Garko	1992	M.S.	Biology	G. Stewart	Aylesworth
S. Hawes	1992	M.S.	Marine Science	K. Carder	Sea Grant
M. Moyer	1993	Ph.D.	Marine Science	N. Blake	Sea Grant
A.W. David	1993	M.S.	Marine Science	J.H. Paul	Sea Grant
Z. Li	1993	M.S.	Marine Science	R.H. Weisberg	Sea Grant
J. Hall	1994	M.S.	Marine Science	R. Wilson	Aylesworth
M. Zhang	1994	M.S.	Marine Science	R.H. Weisberg	Sea Grant
J. Andorfer	1996	Ph.D.	Marine Botany	C. Dawes	Old Salt
J.H. Kirsten	1996	M.S.	Biology	B.J. Cochrane	Sea Grant
K. Moody	1996	M.S.	Biology	S.S. Bell	Sea Grant
R. Brooks	1997	M.S.	Biology	S.S. Bell	Aylesworth/ Sea Grant
S. Lovegrove	1997	M.S.	Biology	S.S. Bell	Sea Grant
K.A. Madley	1997	M.S.	Biology	S.S. Bell	Sea Grant
M. Moyer	1997	Ph.D.	Marine Science	N. Blake	Old Salt
C. Kellogg	1998	Ph.D.	Marine Microbiology	J. H. Paul	Aylesworth/Old Salt
K. Kusek	1998	M.S.	Marine Science & Journalism	G. Vargo	Aylesworth
F. Stengard	1998	M.S.	Marine Science	R. Wilson	Sea Grant
K. Donaldson	1999	M.S.	Marine Science	J. H. Paul	Old Salt
E. Severence	1999	Ph.D.	Biology	S. Karl	Aylesworth
C. Anastasiou	2000	M.S.	Biology	J. Renee Brooks	Aylesworth
P. Cochran	2000	M.S.	Marine Science	J. H. Paul	Sea GrantA.
Dukeman	2000	M.S.	Marine Science	N. Blake	Aylesworth/Old Salt
T.L. Hepner	2000	M.S.	Geology	R.A. Davis	Sea Grant
S. Hill	2000	M.S.	Biology	J. Lawrence	Sea Grant
J. Jarrell	2000	M.S.	Marine Science	R. Wilson	Aylesworth/Old Salt
J. Jarrell	2000	Ph.D.	Marine Science	J. Paul	Sea Grant
M. McLaughlin	2000	M.S.	Marine Science	J. Paul	Sea Grant
L.R. Plank	2000	M.S.	Biology	J.M. Lawrence	Sea Grant
K. Donaldson	2001	Ph.D.	Marine Science	J. Paul	Sea Grant
L. McDaniel	2001	M.S.	Marine Science	J. Paul	Sea Grant
R. Brooks	2002	Ph.D.	Biology	S. Bell	Aylesworth/Old Salt
J. Cobb	2002	M.S.	Biology	J. Lawrence	Sea Grant
Y. Coursey	2002	Ph.D.	Biology	M. Kimble	Aylesworth/Old Salt
A. Dukeman	2002	Ph.D.	Marine Science	J. Paul	Aylesworth/Old Salt
C. Hahm	2002	M.S.	Chemistry	B. Baker	Sea Grant
S. Williamson	2003	Ph.D.	Marine Science	J. Paul	Old Salt
M. Gray	2004	M.S.	Marine Science	J. Paul	Sea Grant
P. Young	2004	Ph.D.	Chemistry	B. Baker	Sea Grant

#### University of West Florida

D. Davison	1990	M.S.	Biology	C. Bergh, C. D'Asaro	Aylesworth
M.L. McCallum	1993	M.S.	Biology	K.R. Rao	Aylesworth
B.D. Nelson	1994	M.S.	Ecology & Evolutionary Biology	S. Bortone	Sea Grant

**TABLE 2. OCCUPATIONS AND LOCATIONS**

Occupations and locations (last known) of students who have completed degrees using Florida Sea Grant research assistantship financial support, 1986-2004.

Type of Job	Employer	Location
<b>University/Academic</b>		
Instructor (2)	Indian River Community College	Ft. Pierce, Florida
Assistant Professor	Biological Sciences Department, Clemson University	Clemson, South Carolina
Assistant Professor	City and Regional Planning Department, California Polytechnic State University	San Luis Obispo, California
Assistant Professor	Computer Science Department, Winona State University	Winona, Minnesota
Assistant Professor	Department of Geography and Earth Sciences, Utah State University	Logan, Utah
Assistant Professor	Fisheries and Aquatic Sciences Department, University of Florida	Gainesville, Florida
Assistant Professor	Fishery Industrial Technology Center, University of Alaska	Fairbanks, Alaska
Assistant Professor	Food Science and Human Nutrition Department, University of Florida	Gainesville, Florida
Assistant Professor	Food Science and Human Nutrition Department, University of Florida	Gainesville, Florida
Assistant Professor	Kodiak Fishery Industrial Technology Center, University of Alaska	Kodiak, Alaska
Assistant Professor and Sea Grant Extension Specialist	Fisheries and Aquatic Sciences Department, University of Florida	Gainesville, Florida
Associate Professor	Biology Department, University of West Florida	Pensacola, Florida
Associate Professor	Business Economics Department, Francis Marion University	Florence, South Carolina
Associate Professor	Department of Civil Engineering, Clemson University	Clemson, South Carolina
Associate Professor	Rosentiel School of Marine and Atmospheric Sciences, University of Miami	Miami, Florida
Associate Professor	Seafood Laboratory, Oregon State University	Corvallis, Oregon
Associate Professor	Wildlife Ecology and Conservation Department, Southwest Florida Research and Education Center, University of Florida	Immokalee, Florida
Attorney	Center for Governmental Responsibility, College of Law, University of Florida	Gainesville, Florida
Chemist	Everglades Research and Education Center, University of Florida	Belle Glade, Florida
Dean and Assistant Professor	Biology Department, Concordia College	Austin, Texas
Director and Professor	Ocean Engineering Program and Hydrodynamics Laboratory, US Naval Academy	Annapolis, Maryland
Faculty Member	Biology Department, Northern Virginia Community College	Alexandria, Virginia
Faculty Member	Fisheries and Maritime Faculty, Australian Maritime College	Beaconfield, Tasmania, Australia
Faculty Member	Hillsborough County School System	Tampa, Florida
High School Teacher	Piper High School	Sunrise, Florida
Instructor	Community College	Pennsylvania
Instructor and Biological Concept Developer	Brevard Community College and Zel Technologies	Melbourne, Florida
Instrumentation Engineer	Florida Solar Energy Center, University of Central Florida	Cape Canaveral, Florida
Instructional Support Technician	Portland Community College	Portland, Oregon
Instructor	Natural Sciences Department, St. Petersburg College	St. Petersburg, Florida
Laboratory Assistant	Aquaculture Division, Harbor Branch Oceanographic Institution	Ft. Pierce, Florida
Marine Educator	Education Division, Harbor Branch Oceanographic Institution	Ft. Pierce, Florida
Professional Staff	Bureau of Economic Geology, University of Texas	Austin, Texas
Professor	Biological Sciences Department, Old Dominion University	Norfolk, Virginia
Research Assistant	School of Forest Resources and Conservation, University of Florida	Gainesville, Florida
Research Associate	Biological Science Department, Northern Kentucky University	Highland Heights, Kentucky
Research Associate	Florida Sea Grant College Program, University of Florida	Gainesville, Florida
Research Associate and Assistant Director	Aquaculture Division, Aquatic Animal Health Laboratory, Harbor Branch Oceanographic Institution	Ft. Pierce, Florida
Research Engineer	Beaches and Shores Research Center, Florida State University	Tallahassee, Florida
Research Fellow and Adjunct Assistant Professor	Smithsonian Institution, Chesapeake Bay Laboratory and Hartwick College	Oneonta, New York
Research Lab Director	University of Vermont	Burlington, Vermont
Research Scientist	Pediatric Oncology, Oxford University	Oxford, England
Research Technician	Fisheries and Aquatic Sciences Department, University of Florida	Gainesville, Florida
Research Technician	Molecular Biology Department, Vanderbilt University	Nashville, Tennessee
Sea Grant Extension Agent	Florida Sea Grant and UF Cooperative Extension Service, Broward County	Ft. Lauderdale, Florida

Type of Job	Employer	Location
<b>University/Academic (Continued)</b>		
Senior Biologist	Fisheries and Aquatic Sciences Department, University of Florida	Gainesville, Florida
Vice Director	Network Services, Nova Southeastern University	Boca Raton, Florida
Visiting Lecturer	Agricultural Economics Department, University of West Indies	St. Augustine, Trinidad
<b>Government Agency</b>		
Agent	Federal Bureau of Investigation	Not known
Attorney	State Attorney's Office	Jacksonville, Florida
Biologist	Natural Estuarine Research Reserve	Georgetown, South Carolina
Biologist	US Geological Survey	Gainesville, Florida
Chief Forecaster	NOAA National Weather Service	Honolulu, Hawaii
Coastal Engineer	Office of Beaches and Shores Systems, Florida Department of Environmental Protection	Tallahassee, Florida
Coastal Engineer	Portland Division, US Army Corp of Engineers	Portland, Oregon
Compliance Officer	Applied Nutrition Office of Compliance, Office of Enforcement, US Food and Drug Administration	College Park, Maryland
Deputy Director	Office of Climate Observation, Office of Global Programs, NOAA Research	Silver Spring, Maryland
Economist	Center for Food Science and Nutrition, US Food and Drug Administration	Washington, D.C.
Economist	Southeast Regional Office, NOAA Fisheries	St. Petersburg, Florida
Employee	Florida Department of Environmental Protection	Tallahassee, Florida
Employee	Marine Turtle Conservation Program, Fish and Wildlife Conservation Commission	Tallahassee, Florida
Environmental Engineer	Lee County Government	Ft. Myers, Florida
Environmental Specialist II	Florida Department of Environmental Protection	Tallahassee, Florida
Fisheries Agency Employee	Government of Mozambique	Mozambique
Laboratory Supervisor	Division of Aquaculture, Florida Department of Agriculture and Consumer Services	Apalachicola, Florida
Lieutenant Manager	Naval Sea Systems Command, US Navy	Arlington, Virginia
Manager	Domestic Production and Marketing, Pan American Development Foundation, USAID Hillside Agriculture Program	Haiti
Manager	IMAP Coastal Monitoring Program, Fish and Wildlife Research Institute, Fish and Wildlife Conservation Commission	St. Petersburg, Florida
Marine Scientist	Fish and Wildlife Research Institute, Florida Fish and Wildlife Conservation Commission	St. Petersburg, Florida
Microbiologist	Division of Science and Applied Technology, US Food and Drug Administration	College Park, Maryland
Microbiologist	US Geological Survey	St. Petersburg, Florida
Project Manager	Water Sanitation Division, City of Hampton Roads	Hampton Roads, Virginia
Project Planner	US Army Corps of Engineers	San Diego, California
Recreational Fishing Outreach and Sportfish Research Program	Florida Fish and Wildlife Commission	Tallahassee, Florida
Reef Manager	Florida Keys National Marine Sanctuary, NOAA	Key West, Florida
Research Associate	Southeast Fisheries Center, NOAA Fisheries	Miami, Florida
Research Benthic Ecologist	Florida Integrated Science Center, US Geological Survey	Gainesville, Florida
Research Scientist	Centers for Disease Control, US Food and Drug Administration	Atlanta, Georgia
Research Scientist	Southeast Fisheries Center, NOAA Fisheries	Miami, Florida
Research Scientist	Southeast Fisheries Center, NOAA Fisheries	Miami, Florida
Scientist	National Cancer Institute	Frederick, Maryland
Scientist	Southeast Fisheries Center, NOAA Fisheries	Miami, Florida
Senior Environmental Specialist	Southwest Florida Water Management District	Tampa, Florida
Senior Reef Fisheries Scientist	Secretariat of the Pacific Community, Reef Fisheries Observatory	New Caledonia
Stormwater Management	Hampton Roads Sanitation District	Hampton Roads, Virginia
Water Quality Specialist	Water Management Department, Broward County	Ft. Lauderdale, Florida

Type of Job	Employer	Location
<b>Industry/Private Organization</b>		
Aquarium Specialist	Sea World of Florida	Orlando, Florida
Attorney	DeCotiis, Fitzpatrick, Gluck & Cole, LLP	New York, New York
Attorney	Law Practice	Oceanside, California
Attorney (2)	Lewis, Longman and Walker	Jacksonville, Florida
Chemist	Ivax Pharmaceutical	Miami Gardens, Florida
Civil Engineer	Post, Buckley, Schuh & Jernigan	Tallahassee, Florida
Coastal Engineer	Applied Technology and Management	Mount Pleasant, South Carolina
Coastal Engineer	Firm Not Known	Houston, Texas
Coastal Engineer	Surfbreak Engineering	Melbourne Beach, Florida
Consultant	Self-employed	Gainesville, Florida
Dentist	Private Practice	Tampa, Florida
Director	Tidal Hydraulics, Taylor Engineering	Jacksonville, Florida
Director of Research and Quality Control	BAMA Sea Products, Inc.	St. Petersburg, Florida
Employee	Cott Beverages	Tampa, Florida
Employee	Givaudan Rourke Flavors	Cincinnati, Ohio
Engineer	Engineering Firm	Ft. Myers, Florida
Environmental Analyst	CZR, Inc.	Jupiter, Florida
Environmental Restoration Projects Manager	Batelle National Laboratories	Boston, Massachusetts
Environmental Specialist	CH2M Hill	Gainesville, Florida
Environmental Specialist	Private Consulting	Wales, United Kingdom
Executive Vice President	ABC Research Laboratories	Gainesville, Florida
Field Engineer	Corpro, Inc.	New Orleans, Louisiana
Hatchery Manager	Aquaculture Center of the Florida Keys	Marathon, Florida
Horticulturist	Pan-American Seed Company	Lompac, California
Marine Biological Consultant	Self-employed	Ft. Lauderdale, Florida
Marketing Director	Strategic Diagnostics	Newark, Delaware
Ocean Engineer (2)	Digicon, Inc.	Houston, Texas
Outreach Coordinator	The Coastal Alliance	Washington, D.C.
Plant Manager	West Penn CDT	Washington, Pennsylvania
Principal Scientist	Tequesta Marine Biosciences	Tequesta, Florida
Project Engineer	Moffatt Nichol Engineers	New York, New York
Research Associate	Arcturus Applied Genomics	San Diego, California
Research Associate and Larval Rearing Specialist	Black Pearls, Inc.	Kona, Hawaii
Research Engineer	Woods Hole Group	Woods Hole Massachusetts
Research Microbiologist	Science and Technology Corporation	Edgewood, Maryland
Research Scientist	Midwest Research Institute	Palm Bay, Florida
Research Technician	Bristol Myers Squibb Pharmaceutical	Research Technician
Research Technician	St. Vincent Cancer Research Center	New York, New York
Self-employed	Family Shrimp Company	Ecuador
Senior Aquarist	New England Aquarium	Boston, Massachusetts
Software Engineer	IntelliNet Technologies, Inc.	Melbourne, Florida
Vice President, Biological Programs	New Jersey State Aquarium	Camden, New Jersey
Vice President, Research and Development	APL Sciences, Inc.	Gainesville, Florida
Waste Disposal Specialist	Environmental Consulting Firm	Atlanta, Georgia
Water Quality Analyst	Private Laboratory	Yorktown, Virginia

#### Additional Education

DVM Student	College of Veterinary Medicine, University of Florida	Gainesville, Florida
Knauss Fellow	Class of 2005	Washington, D.C.
M.S. Student	Nova Southeastern University	Ft. Lauderdale, Florida
M.S. Student	University of Alaska	Fairbanks, Alaska
Ph.D. Student	Biological Sciences Department, Old Dominion University	Norfolk, Virginia
Ph.D. Student	City and Regional Planning Department, University of North Carolina	Chapel Hill, California
Ph.D. Student	College of Marine Science, University of South Florida	St. Petersburg, Florida
Ph.D. Student	Department of Biology, University of Miami	Miami, Florida



Type of Job	Employer	Location
<b>Additional Education - Continued</b>		
Ph.D. Student	Department of Civil and Coastal Engineering, University of Florida	Gainesville, Florida
Ph.D. Student	Department of Civil and Coastal Engineering, University of Florida	Gainesville, Florida
Ph.D. Student	Department of Environmental Sciences, University of Virginia	Charlottesville, Virginia
Ph.D. Student	Department of Oceanography, Florida State University	Tallahassee, Florida
Ph.D. Student	Department of Oceanography, Florida State University	Tallahassee, Florida
Ph.D. Student	Department of Oceanography, Florida State University	Tallahassee, Florida
Ph.D. Student	Geology Department, University of South Florida	Tampa, Florida
Ph.D. Student	Geotechnical Engineering Program, Virginia Polytechnical Institute and State University	Blacksburg, Virginia
Ph.D. Student	Marine Chemistry Depart., Woods Hole Oceanographic Institution	Woods Hole, Massachusetts
Ph.D. Student	Michigan State University	East Lansing, Michigan
Ph.D. Student	Oregon State University	Corvallis, Oregon
Ph.D. Student	Pennsylvania State University	State College, Pennsylvania
Ph.D. Student	Pharmacology Department, Florida A & M University	Tallahassee, Florida
Ph.D. Student	Texas A & M University	College Station, Texas
Ph.D. Student	UC-Santa Barbara	Santa Barbara, California
Ph.D. Student	University of Indiana	Bloomington, Indiana
Ph.D. Student	Urban and Regional Planning Department, Florida State University	Tallahassee, Florida
Post-doc	Biology Department, Florida International University	Miami, Florida
Post-doc	College of Marine Science, University of South Florida	St. Petersburg, Florida
Post-doc	Environmental Science Institute, Florida A & M University	Tallahassee, Florida
Post-doc	Harbor Branch Oceanographic Institution	Ft. Pierce, Florida
Post-doc	Naval Post Graduate School	Monterey, California
Post-doc	Nutrition and Food Science Department, Auburn University	Auburn, Alabama
Post-doc	School of Education, University of Miami	Miami, Florida

**TABLE 3. KNAUSS FELLOWS**

**Florida Sea Grant Knauss Fellows by year, university, placement, current occupation and employer, and current location, 1982-2002.**

Year	Fellow (University)	Placement	Current Employer, Location
1982	Wim J. van Teeffelen, UWF	Subcommittee for Science and Technology, Committee on Commerce, Science and Transportation, U.S. Senate	Chairman of the Board of Supervisors, XIOP Messaging Services, Amsterdam, The Netherlands
1983	Mary M. Overby, UF	Subcommittee for Science and Technology, Committee on Commerce, Science and Transportation, U.S. Senate	Director, Governmental Relations, American Anthropological Association, Arlington, Virginia
1984	Marcus J. Hepburn, FSU	National Ocean Policy Study, Committee on Commerce, Science and Transportation, U.S. Senate	Planning Manager, Division of Housing and Community Development, Florida Department of Community Affairs, Tallahassee, Florida
1985	Martin B. Main, UF	Subcommittee on Fisheries and Wildlife, Conservation and the Environment, Committee on Resources, U.S. House of Representatives	Wildlife Ecologist and Associate Professor, Department of Wildlife Ecology and Conservation, Southwest Florida Research and Education Center, Institute of Food and Agricultural Sciences, University of Florida, Immokalee, Florida
1985	Bob Leeworthy, FSU	Office of Oceanography and Marine Assessments, Ocean Assessments Division, Strategic Assessment Branch, National Ocean Service, NOAA	Chief Economist, Special Projects Office, National Ocean Service, NOAA, Silver Spring, Maryland
1986	Stewart E. Holm, FIT	National Ocean Service, NOAA	Georgia Pacific Corporation Atlanta, Georgia

Year	Fellow (University)	Placement	Current Employer, Location
1986	George Townsend, FIT	Legislative Assistant for Environmental Affairs, Congressman Charles E. Bennett (Florida)	Vice President, Environmental Sciences and Resource Management Division, Tetra Tech, Inc., Fairfax, Virginia
1987	Marci Bortman, FIT	Legislative Assistant, Congressman William J. Hughes (New Jersey)	Peconic Estuary Project Director, The Nature Conservancy, Spring Harbor, New York
1988	James A. Witkowski, FIT	Subcommittee on Coast Guard and Navigation, House Committee on	Ph.D. Candidate, Marine Geology, University of South Carolina, Columbia, South Carolina (Last Known)
1989	John L. Wickham, FIT	National Ocean Pollution Program, Office of the Chief Scientist, NOAA	Program Analyst, Coastal Ocean Program, National Ocean Service, NOAA, Silver Spring, Maryland
1991	Elizabeth Moore, FIT	Sanctuaries and Reserves Division, National Ocean Service, NOAA	Program Analyst, Office of National Marine Sanctuaries, National Ocean Service, NOAA, Silver Spring, Maryland
1991	Mark C. Eakin, UM	Office of Global Programs, NOAA	Chief, Paleoclimatology Program, NOAA and Director, World Data Center for Paleoclimatology, International Council for Science and Office of Global Programs, NOAA, Boulder, Colorado
1992	Wade Bryant, UF	National Marine Fisheries Service, NOAA	Regional Biologist—Southeast, Division of Environmental Contaminants, U.S. Fish and Wildlife Service, Atlanta, Georgia
1993	Heather L. Weiner, UF	National Marine Fisheries Service, NOAA	Legislative Council, Defenders of Wildlife Washington, D.C. (last known)
1993	Susan Boa, FSU	Environmental Awareness Program, Smithsonian Institution	Program Director, SeaWeb, Washington, D.C.
1994	Peter Barile, FIT	Biological Oceanography Program, National Science Foundation	Post-doctoral Scientist, Harbor Branch Oceanographic Institute, Ft. Pierce, Florida
1994	Mark Brown, UF	Legislative Analyst, Office of Congressman Peter Deutsch (Florida)	Senior Trial Attorney, Wildlife and Marine Resources Section, U.S. Department of Justice, Washington, D.C.
1995	Sidney Thurston, FIT	Office of Global Programs, NOAA	Deputy Director, Office of Climate Observation, Office Research, Washington, D.C.
1995	Lynette Cardoch, UM	Office of Habitat Protection, National Marine Fisheries Service, NOAA	Research Scientist, National Risk Management Research Laboratory, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina
1995	Michael Devin, HBOI	Ocean Sciences Division, National Science Foundation	Acadia Seafood International, Inc, Walpole, Maine
1996	Adelaide Rhodes, UWF	Coastal Ocean Program and National Sea Grant Office, NOAA	Owner, Essential Live Feeds, Santa Cruz, California,
1999	Jennifer Rahn, UF	U.S. Geological Survey, Reston, Virginia	Assistant Professor, Department of Geology, Baylor University, Waco, Texas
2000	Lillian Becker, FIU	Office of Protected Resources, National Marine Fisheries Service, NOAA	Office of Protected Resources, National Marine Fisheries Service, NOAA Silver Spring, Maryland (last known)

Year	Fellow (University)	Placement	Current Employer, Location
2001	Christopher Yates, UF	Marine Mammal Division, Office of Protected Resources, National Marine Fisheries Service, NOAA	International Whaling Commission Coordinator, Office of Protected Resources, NOAA Fisheries, Silver Spring, Maryland
2001	Eileen Alicea, UM	Community-Based Restoration Program, National Marine Fisheries	Marine Policy Specialist, NOAA Coral Reef Conservation Program, Silver Spring, Maryland
2001	Audra Livergood, UM	Community-Based Restoration Program, National Marine Fisheries Service, NOAA	Fishery Management Specialist, National Marine Fisheries Service, Miami, Florida
2002	Nadia Sbeih, UM	National Marine Sanctuary Program, National Ocean Service, NOAA	Communication Specialist, National Ocean Service, NOAA, Silver Spring, Maryland
2003	Carl Childs, FSU	Office of Science Support, NOAA Research, Silver Spring, Maryland	Post-doctorate in the Oak Ridge Institute for Science and Engineering, HAZMAT Division, National Ocean Service, NOAA, Seattle, Washington
2004	Gustavo Rubio, FIU	Coastal Management Branch, Environmental Protection Agency, Washington, D.C.	Currently a Knauss Fellow
2005	Marcia C.M. de Almeida, UM	To be determined.	Class of 2005
2005	Kelly Denit, UM	To be determined.	Class of 2005
2005	Jacqueline A. Wilson, UF	To be determined.	Class of 2005

**TABLE 4. AYLESWORTH AND OLD SALT STUDENTS**

Occupations and locations (last known) of Aylesworth Foundation and Old Salt supported students, 1987-2004.

Type of Employer	Type of Job	Employer and Location
<b>Aylesworth Foundation for the Advancement of Marine Sciences</b>		
High School	Biology Teacher	Pensacola High, Pensacola, Florida
University	Assistant Professor	Geology Department, University of Nebraska, Lincoln, Nebraska
	Assistant Professor	Department of Nutrition and Food Science, Auburn University, Auburn, Alabama
	Assistant Professor	Food Science & Human Nutrition Department, University of Florida, Gainesville, Florida
	Assistant Professor	Oceanography Department, Nova Southeastern University, Ft. Lauderdale, Florida
	Assistant Professor	Palm Beach Atlantic University, Palm Beach, Florida
	Associate Professor	Oregon State University Seafood Lab, Newport, Oregon
	Associate Professor	Biological and Physical Sciences Department, Kennesaw State University, Kennesaw, Georgia
	GIS Lab Manager	College of Social Sciences, Florida State University, Tallahassee, Florida
	Director	Science Journalism Center, University of South Florida, Tampa, Florida
	Lab Technician	Marine and Environmental Systems, Florida Tech, Melbourne, Florida
	Lecturer	Biology Department, West Virginia University, Morgantown, West Virginia
	Professor	Biology Department, Old Dominion University, Norfolk, Virginia
	Research Associate	Biological Sciences Department, Clemson University, Clemson, South Carolina
	Research Scientist Technical Specialist	Harbor Branch Oceanographic Institution, Ft. Pierce, Florida Florida Yards and Neighborhoods, Florida Cooperative Education Services, University of Florida, Gainesville, Florida
Government Research	Assistant Research Scientist	Fish and Wildlife Research Institute, FWRI, St. Petersburg, Florida
	Biologist	National Estuarine Research Reserve, Georgetown, South Carolina
	Biological/Lab Support	National Marine Fisheries Service Laboratory, Panama City, Florida
	Biological Scientist	Fish and Wildlife Research Institute, St. Petersburg, Florida
	Biological Scientist	Waterbed Management and Restoration, Florida Department of Environmental Protection, Fort Myers, Florida
	Compliance Officer	U.S. Food and Drug Administration, Applied Nutrition Office of Compliance, Division of Enforcement, College Park, Maryland
	Environmental Scientist	U.S. Environmental Protection Agency, St. Petersburg, Florida
	Laboratory Scientist	Virginia State Health Department, Richmond, Virginia
	Marine Biologist/GIS Specialist	Flower Garden Banks National Marine Sanctuary, NOAA, Bryan, Texas
	Researcher	Southwest Florida Water Management District, Tampa, Florida
	Research Administrator	Charlotte Harbor Field Laboratory, FWRI, Port Charlotte, Florida
	Research Benthic Ecologist	U.S. Geological Survey, Florida Integrated Science Center, Gainesville, Florida
Research Microbiologist	Center for Coastal Geology, U.S. Geological Survey, St. Petersburg, Florida	
Research Scientist	Immunology and Pathology Research, National Institutes of Health, Washington, D.C.	

Type of Employer	Type of Job	Employer and Location
<b>Aylesworth Foundation for the Advancement of Marine Sciences (Continued)</b>		
Industry/Private Organization	Consultant	HSW Environmental Consultants, Tampa, Florida
	County Representative	Solar Aqua Farms, Chiquita, Columbia
	Director	Coastal Waters Program, The Nature Conservancy, Santa Cruz, California (also Research Associate, UC - Santa Cruz)
	Director	Food Safety/Quality Assurance, Applebee's International, Overland Park, Kansas
	Engineer	Intel Corporation, Seattle, Washington
	Environmental Program Manager	Surfrider Foundation, El Camino, California
	Family Care Giver	Self-employed
	Hatchery Manager	Sea Perfect Atlantic Farms, Charleston, South Carolina
	Owner	Essential Live Foods, Santa Cruz, California
	Principal Scientist	Tequesta Biosciences, Tequesta, Florida
	Private Consulting	Self-employed
	Product Development	Techninac Corporation, Pembroke Pines, Florida
	Research Associate	Ben Johnson and Associates, Tallahassee, Florida
	Research Consultant	Hubbs-SeaWorld Research Institute, Orlando, Florida
	Research Scientist	Division of Invertebrates, American Museum of Natural History, New York, New York
	Senior Ecologist	Research Planning Inc., Columbia, South Carolina (also Ph.D. student at Clemson)
	Senior Scientist	Science Applications International Corporation, San Diego, California
	Technical Sales Representative	Solutia, Inc., Charlotte, North Carolina
	Veterinarian	Walton-Gwinnett Animal Clinic, Loganville, Georgia
Additional Education	Convent	New South Wales, Australia
	Medical Student	Louisiana Medical College, Tulane University School of Medicine, New Orleans, Louisiana
	M.S. Student	Biology/Eudcation, University of North Florida, Jacksonville, Florida
	M.S. Student	Nova Southeastern University, Ft. Lauderdale, Florida
	Ph.D. Student	Louisiana State University, Baton Rouge, Louisiana
	Ph.D. Student	University of South Florida, Tampa, Florida
	Ph.D. Student	Nova Southeastern University, Ft. Lauderdale, Florida
	Ph.D. Student	Chemistry Department, University of Pennsylvania, Philadelphia, Pennsylvania
	Veterinary Medicine Student	College of Veterinary Medicine, University of Florida, Gainesville, Florida

#### Old Salt Fishing Club

University	Assistant Professor	Biology Department, Concordia College, Austin, Texas
	Post-doctoral Fellow	Biochemistry Department, Albert Einstein College of Medicine, Bronx, New York
	Research Microbiologist	Department of Marine Science, University of South Florida, St. Petersburg, Florida
Government Research	Biologist	National Estuarine Research Reserve, Georgetown, South Carolina
	Biological Scientist	Fish and Wildlife Reserach Institute, St. Petersburg, Florida
	Research Benthic Ecologist	U.S. Geological Survey, Florida Integrated Science Center, Gainesville, Florida
	Research Microbiologist	U.S. Geological Survey, St. Petersburg, Florida
Additional Education	Post-doctoral Fellow	Plant and Soil Science Department, University of Delaware, Lewes, Delaware
Industry/Private Organization	Family Care Giver	Self-employed

## **Non-Formal Education: Florida Sea Grant Contributes and Participates**

*In addition to its extensive support of formal graduate training, Florida Sea Grant also invests heavily in non-formal educational opportunities. This ensures that Sea Grant research results reach the people who need it and can use it in their everyday lives.*

**Community Education.** Florida Sea Grant provides support to education through its Elise B. Newell Seminar Series, a statewide program that enhances university scholarship in coastal and ocean subjects. Annually, these seminars provide opportunities for students, faculty and the general public to learn more about timely issues concerning Florida's marine and coastal environment, from internationally renowned scholars and scientists.

Sea Grant extension faculty conduct a wide range of programs related to their marine and coastal environment. Examples include responsible boating, clean marinas, shoreline restoration, beach and underwater clean-ups, catch-and-release techniques, waterway management and fisheries and aquaculture economics.

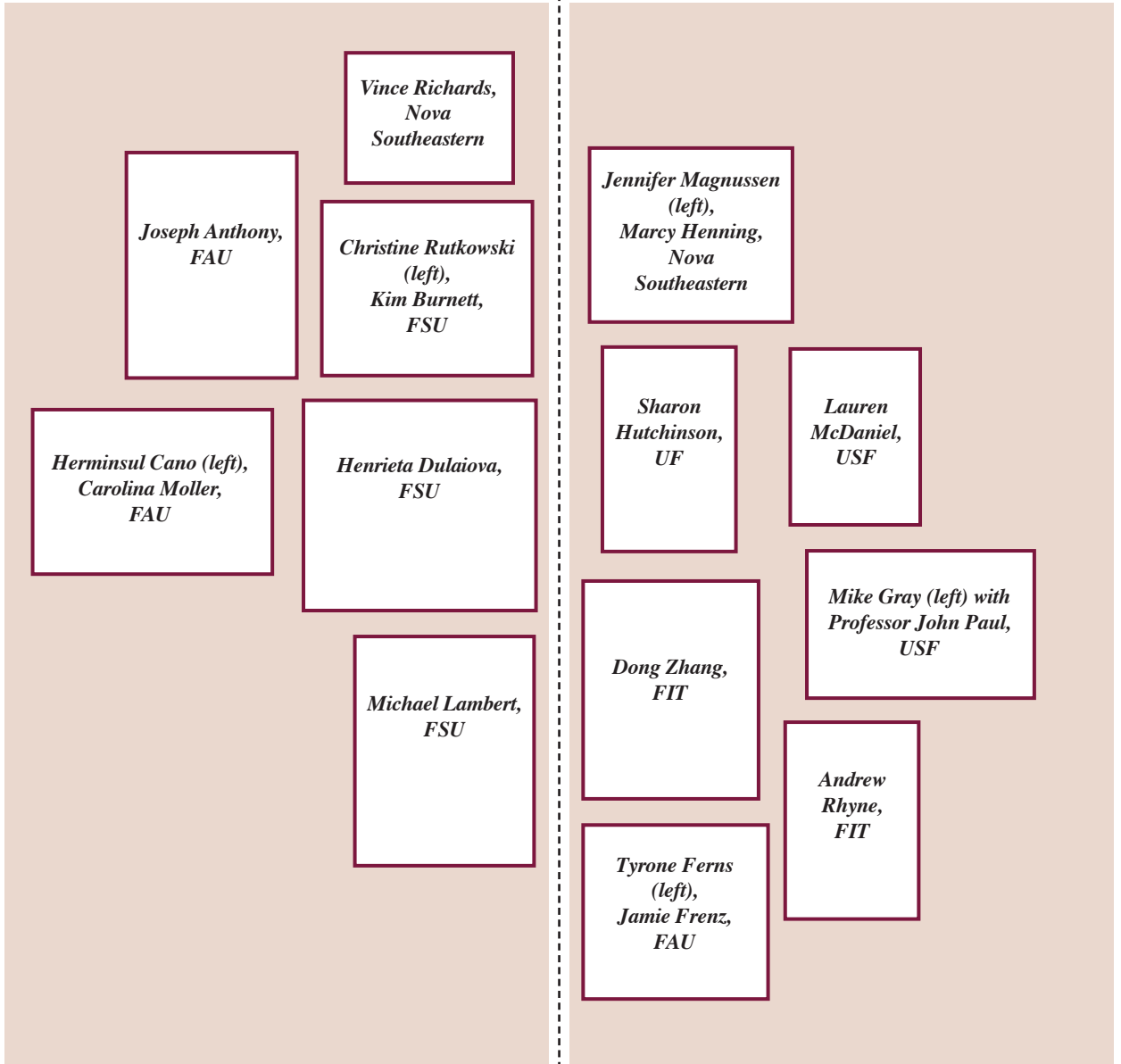
**Industry Education.** A major collaborative effort supported construction of the Aquatic Food Products Laboratory (Fish Lab), a multi-million dollar facility at the University of Florida campus in Gainesville. Used for both research and educational programs, this laboratory hosts industry educational programs in seafood safety, HACCP training, seafood processing for clams and soft-shell crabs, and an annual shrimp school.

**Statewide Coalitions.** Florida Sea Grant faculty participate in five state major programs in extension to support educational programming and productions that address community education interests. The faculty also participate in an annual planning meeting where their accomplishments are presented, needs are assessed, and annual work plans are established in these areas.

Sea Grant is a partner in a number of statewide coalitions that are geared to address coastal issues. Examples include the Florida Ocean Alliance and working groups related to waterway management, marine biotechnology, and aquatic nuisance species. Efforts of these groups are generally intended to support community and industry education, and the information needs of policy- and decision-makers.

**Educational Publications and Presentations.** Sea Grant researchers and extension faculty routinely contribute to the body of knowledge in their respective fields through journal articles, departmental publications, and Sea Grant productions. Florida Sea Grant has produced more than 350 publications since 1999 to provide educational information about Sea Grant research and program activities. Researchers and extension agents also routinely contribute to the educational arena as presenters at professional meetings, conferences and symposia. To varying degrees they cooperate with their local school systems, working with enrichment programs for teachers in grades K - 12.

**BACK COVER PHOTOS**



**FRONT COVER PHOTOS**



  
Florida

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