

New Marine Advisory Agent in Bethel

Walter Suomela has been hired as a Marine Advisory agent/assistant professor of fisheries in Bethel. As a MAP agent Suomela will help Lower Kuskokwim/Yukon region fishermen improve their efficiency; educate the public on subsistence and nutrition; work on tourism and small business development; help develop working relationships among village, Native, and government agency leaders; and teach courses. Suomela has a master's degree from Western Oregon State College. His experience includes teaching at Kuskokwim Community College and in the Lower Kuskokwim School District, operating a commercial fishing business in Bristol Bay, and serving on the board of the Alaska Science Consortium.

Publishing Coordinator Hired

Alaska Sea Grant recently hired Kathy Kurtenbach as publishing coordinator, to format Sea Grant publications (books, brochures, fact sheets, flyers, and postcards), and assist with graphic design. Kurtenbach has a B.A. in history from the University of Wisconsin–Madison and a B.A. in communication from the University of Wisconsin–Stevens Point. She most recently worked in publications at Dominican University in San Rafael, California.

In her off-work hours she enjoys spending time with her young son, fishing and camping, cheering on the Green Bay Packers, participating in pre-1840 reenactment camps called rendezvous, and shooting black powder rifles.

Steller Sea Lion Research Planning

Alaska Sea Grant director Ron Dearborn chaired a meeting last month to coordinate programs funded by the FY2001 congressional appropriation of \$30 million for Steller sea lion research and management. The funding was distributed to several parts of the Department of Commerce at the Secretary's level and to units of NOAA, including NMFS, Oceanic and Atmospheric Research (OAR), and the National Ocean Service (NOS), each with a slightly different charge appropriate to their responsibility.

Dearborn's role was to enhance communication, coordination, and cooperation among all the parties involved in sea lion recovery and the implications to Alaska communities and fisheries.

Forty-seven scientists and resource managers were at the meeting, held at the NOAA facilities in Seattle on January 24-25. Representatives were present from federal agencies, UAF, North Pacific Fishery Management Council, Alaska Department of Fish and Game, Alaska SeaLife Center, and North Pacific Universities Marine Mammal Research Consortium, who were identified in the appropriations language. Also attending were Sea Grant directors from Oregon and Washington, and the NOAA Cooperative Institute directors from UAF and UW.

A substantial exchange of information took place on research plans, but with so many interested people at the table, it was clear that a continuing mechanism for communication and cooperation is needed. All the groups receiving funding will continue to meet to ensure a coordinated approach to the various research and management issues surrounding Steller sea lion population recovery.

Deadline for Knauss Fellowships April 1

Applications for Knauss fellowships, class of 2002, will be due in the Alaska Sea Grant office by April 1, 2001. This year's deadline is much earlier than previous years. The fellowship is for students with an interest in policy decisions that affect marine resources. Selected fellows spend a year in Washington, D.C., working in the legislative branch, executive branch, or associations. Twenty to twenty-five finalists will be notified in mid-June, and placement will be in Washington, D.C., in December 2001. Candidates must be graduate students at the time of application. For information on how to apply, go to www.uaf.edu/seagrant/research/knauss.html.

Research in the News

The *Anchorage Daily News* printed a story January 18 on the [crab research of UAF graduate student Jonathan Warrenchuk](#). The study was on snow crab leg loss due to stress and cold in the crab fishery. The *Daily News* story was initiated by an Alaska Sea Grant press release on the symposium "Crabs in Cold Water Regions: Biology, Management, and Economics" held in Anchorage last month. The symposium was organized by Alaska Sea Grant.

A story in the January 21 *Anchorage Daily News* highlights working dogs and features the seal-sniffing dogs of UAF faculty Brendan Kelly and Lori Quakenbush. The *Daily News* article was spurred by the 1999 Arctic Science Journeys Radio story on [seal hounds](#).

Seafood Processor Training

The Alaska Marine Advisory Program is providing a month of training for seafood processor certification January 31-February 23, 2001. Sessions are in Anchorage at the Regal Alaskan Hotel and at Indian Valley Meats. The training is for commercial processors involved in canning, retorting, and preparation of pickled products. It is required by FDA for all supervisors of can seam inspection and retort operation.

The training covers HACCP, sanitation, refrigeration, regulations, and seafood packaging, shipping, and marketing. Courses are taught by Chuck Crapo, Brian Paust, Ray RaLonde, Terry Johnson, Don Kramer, Quentin Fong, and Kristy Long, all of UAF; Ed Kolbe of Oregon State University; Craig Wiese, Bill Hall, Ed Krysinski, all consultants; Joseph Donahue of ADEC; Chris Rezendes of FDA; Gunnar Knapp of UAA; Randy Rice of ASMI; and Torie Baker, fisherman.

The training is free, paid for by USDA. For more information see www.uaf.edu/map/workshops.html or call Don Kramer at (907) 274-9691.

Employment Opportunities

Moss Landing Marine Labs (San Jose State University) on Monterey Bay, California, is hiring a marine technician. This person will be responsible for the operation and maintenance of shipboard scientific equipment on the seagoing research vessel R/V *Point Sur*. For more information see www.mlml.calstate.edu/announc/martech.htm.

The National Marine Fisheries Service is filling up to 40 entry level positions by March 2001 — fishery biologists, wildlife biologists, and natural resource managers. Candidates must have completed four years of study. The positions are in support of the President's National Fire Plan directing all federal land use agencies to reduce fuels on federal lands and restore post-fire habitats to preserve fish and wildlife—especially those protected under the Endangered Species Act. Locations are in Washington, Oregon, California, and Idaho. For more information go to www.usajobs.opm.gov/a9noaa.htm.

Marine Bioinvasions Book

Marine Bioinvasions: Proceedings of the First National Conference, January 24-27, 1999. The book covers topics that are fundamental to understanding marine biological invasions and their impacts, including species distribution, molecular approaches to identifying sources of the invaders, and management. *Marine Bioinvasions* has good information for those setting policy and managing nonindigenous species. For more information on ordering this \$50 book go to <http://web.mit.edu/seagrant/publications/selectedpub.html>.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email message linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, fnsk@uaf.edu.

Research on Paralytic Shellfish Poisoning

Graduate student Julie Matweyou is using a DNA probe assay to detect and quantify PSP toxin-producing dinoflagellates in the genus *Alexandrium*. Further, she is relating the abundance to shellfish toxicity to determine if the probe technique can be used to predict toxic events. Gerry Plumley is Matweyou's major professor, and has ASTF funding for the research project "Implementation of an improved beach/sea monitoring program to detect algae that cause paralytic shellfish poisoning (PSP)." Alaska Sea Grant is also supporting Matweyou.

Matweyou's research is a contribution toward solving a serious problem—PSP is a major threat to human health in Alaska. PSP-toxic shellfish harvested in the wild make several people sick every year and occasionally cause death.

Matweyou is testing a DNA probe assay kit that can rapidly detect *Alexandrium*. Called sandwich hybridization, the assay applies fluorescent labeled probes that bind with species-specific sequences of RNA in the organism. When calibrated with cell counts, the optical density readings from the assay can be used to quantify the toxic dinoflagellates in the water.

The assay kit was developed by Dr. C. Scholin of the Monterey Bay Research Aquarium and Saigene Inc. The kit has been laboratory tested, and Matweyou is providing field testing for it. The technique may prove to be of commercial use in Alaska in the future.

During Matweyou's summer field seasons she samples water and mussels at three Kodiak Island beaches, two in Chiniak Bay and one in Marmot Bay. She measures levels of toxic dinoflagellates in water samples 1-2 times per week. During the summer of 2000 she saw two blooms of the toxic dinoflagellates, in June and August, which correlated with PSP toxin in mussels in the same area.

Matweyou plans to get her master's degree in biological oceanography in spring 2002.

TV Program on Sea Lions and Fishermen

The Alaska Resource Issues Forum Television Series presented "Sea Lions, Fishermen, and Fish: The Debate" in late February–early March.

Over the past 30 years, populations of Steller sea lions in the Bering Sea and Aleutian Islands have plummeted by over 80%. The federal government recently listed the western population of sea lions as "endangered," and has begun implementing restrictions on commercial fishing to help the sea lion populations recover.

The fishing industry says the government is going too far in trying to protect sea lions, and environmentalists say the government isn't going far enough.

The Resource Forum provided the first televised debate among the various sides of this contentious issue. The program includes:

- Doug DeMaster, Director, National Marine Mammal Laboratory, National Marine Fisheries Service
- Glenn Reed, President, Pacific Seafood Processors Association
- Dave Fraser, Trawl Fisherman, Advisory Panel member, North Pacific Fisheries Management Council
- Kris Balliet, Alaska Director, Center for Marine Conservation
- Jack Sterne, Staff Attorney, Trustees for Alaska
- Moderator: Rick Steiner, University of Alaska Marine Advisory Program

To order a copy of the one-hour video, for \$15, call (907) 274-9691.

In the News

"Bolstered with cash, scientists seek clues to sea lion's decline" is the title of an Associated Press article on Kate Wynne's Steller sea lion research, which ran in the *Anchorage Daily News* and the *Fairbanks Daily News-Miner* in February. Steller sea lion studies, including Wynne's, are getting a huge boost with \$43 million in federal research funds in the fiscal 2001 budget, which is several times the amount allocated the year before. See the *Anchorage Daily News* story at <http://www.adn.com/metro/story/0.2633.238699.00.html>.

Alaska NOSB

The fourth annual Alaska National Ocean Sciences Bowl was held in February in Seward, thanks to committed volunteers. Forty students from Alaska high schools participated in the knowledge quiz game and research presentations, and the art competition attracted numerous entries.

This year's teams came from Juneau-Douglas High School, Anchorage Dimond High School, Soldotna Skyview High School, and high schools in Chugiak, Eagle River, Niniichik, and Seward. First place overall went to Juneau-Douglas High School's "Team Tsunami." Students were awarded one-year tuition waivers from the University of Alaska Fairbanks, \$250 scholarships, and a free trip to Miami, Florida, to compete in finals. For the research project and oral presentation competition, first place went to the Dimond "Aurora" team. Each student won a \$100 scholarship from the F/V *Spectre*. Dimond coach Elizabeth Larman received a \$1,000 classroom award, donated by Alaska Sea Grant.

The winner of the NOSB Ocean Connection Art Show was Melissa Bixby, Soldotna Skyview High School. Her art teacher received a digital camera for the classroom, donated by Alaska Sea Grant. The artwork and more details are viewable at <http://seagrant.uaf.edu/nosb/2001/game01.html>.

The National Ocean Sciences Bowl is sponsored by the Consortium for Oceanographic Research and Education (CORE) in partnership with the National Marine Educators Association (NMEA). The Alaska regional competition is sponsored by the UAF School of Fisheries and Ocean Sciences, with additional support from Alaska Sea Grant and others. Judy McDonald coordinated the Alaska event.

Scientists Recommend Fish Reserves

One hundred fifty marine scientists have recommended a ban on fishing in vast areas of the world's oceans. The scientists released their consensus statement at the annual meeting of the American Association for the Advancement of Science in February. They say large numbers of fish and other aquatic species are depleted and the only realistic way to manage them is to create protected marine reserves, or "national fish parks," covering as much as 20% of the oceans.

The scientists, including Callum Roberts from York University, UK, and Jane Lubchenco, from Oregon State University, stress that fishermen will benefit both in the long and medium term. For an article on this issue by San Francisco reporter John Duce, see http://news.bbc.co.uk/1/hi/english/in_depth/sci_tech/2001/san_francisco/newsid_1176000/1176382.stm.

Open Ocean Aquaculture IV Symposium

The Department of Fisheries and Oceans Canada–National Sea Grant College Program's "Open Ocean Aquaculture IV Symposium" will be held June 17-20, 2001 in St Andrews, New Brunswick, Canada.

This is just prior to the Atlantic Aquaculture Conference, Exposition and Fair, and is sponsored by over 20 organizations in Canada, the United States, and Europe, including 11 Sea Grant College Programs. Visit the symposium Web site at http://www.org.usm.edu/%7Eooa/ooa_iv/ooa4index.html. A peer reviewed proceedings will be published following the symposium.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email message linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, fnsk@uaf.edu.

Book Awards

The Alaska Sea Grant publication *Biological Field Techniques for Chionoecetes Crabs*, by L. Jadamec, W. Donaldson, and P. Cullenburg, won two awards at the Sea Grant Week meeting last month. The book tied for the Blue Ribbon award for technical publications, and also won the People's Choice award in the technical publications category.

Sea Grant Week

The biennial Sea Grant Week meeting of directors and staff of all 30 Sea Grant programs was held in late March in Hilton Head, South Carolina. Attending from Alaska were Kurt Byers, Sue Keller, and Don Kramer. During the meeting Byers served on a panel for marketing, and Keller presented results of a survey of the Sea Grant network on how they evaluate communications products.

Some of the meeting highlights follow:

- Plans were made to strengthen the role of "[theme teams](#)," composed of Sea Grant professionals who identify needs in fisheries, coastal processes, and other topic areas.
- The Sea Grant Association (SGA) voted to accept "Science Serving America's Coasts" as an overview slogan for Sea Grant.
- The (SGA) agreed that a database of Sea Grant success stories will be developed from individual program assessments (PATs) and other projects.
- SGA has requested a delay in the start of the second round of PATs so that a complete review of the first round will be in hand and suggestions for changes will be in place for the entire second round.
- A review panel is conducting an evaluation of the Sea Grant national office.
- A joint communications-extension committee will develop a workshop on distance education involving several media.

PSP Probe

The March 2001 *Fishlines* reported on a paralytic shellfish poison probe, which graduate student Julie Matweyou is testing for her master's research. The probe has further Sea Grant connections—it was developed by Saigene Inc. with \$250,000 funding from Sea Grant's Small Business Innovative Research Program (SBIR), in 1997 and 1998. National Sea Grant runs a separate competition for SBIR, in the amount of about \$600,000. Sea Grant, and all other federal agencies, are required to set aside 2.5% of their research funding to be earmarked for small business research.

Meeting the Public

Alaska Sea Grant and Marine Advisory made contact with the fishing industry and public at ComFish, the annual commercial fishing trade show in Kodiak, last month. Sea Grant staffers Sherri Pristash and Tatiana Piatanova distributed publications, and Scott Smiley, Bob Foy, and Brian Himelbloom of FITC also talked with booth visitors and industry representatives. Sea Grant K-12 educational items were most popular, especially the [Salmon Migration Game](#).

Public Comment Invited

Alaska Sea Grant will be reviewed July 17-20 by an assessment team appointed by the director of the National Sea Grant College Program. Those associated or familiar with Alaska Sea Grant are invited to provide the assessment team with comments on any aspect of the program or its work. You may submit written comments by mail, to

Program Assessment Team
Alaska Sea Grant College Program
P.O. Box 755040
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

or by email, to fygrant@uaf.edu.

Salmon Nutrients Conference

The "International Conference on Restoring Nutrients to Salmonid Ecosystems" conference will be held on April 24-26, 2001 at the Hilton Conference Center in Eugene, Oregon. The conference is hosted by the Oregon Chapter of the American Fisheries Society and co-sponsored by many regional AFS chapters and agencies. Its purpose is to share the latest information on one of the most pressing issues affecting the recovery of Pacific salmon and their ecosystems. For more information, go to <http://www.gpafs.org/confnutr> or contact Richard Grost, at rgrost@compuserve.com.

NOAA Scholarship

NOAA's National Ocean Service is seeking applicants for the newly established Dr. Nancy Foster Scholarship Program, which provides support for outstanding academic scholarship. The scholarship encourages independent graduate level research in oceanography, marine biology, and maritime archaeology, including the curation, preservation, and display of maritime artifacts.

Authorized by Congress in honor of Dr. Nancy Foster's life work and contribution to the nation, the scholarship program provides a 12 month stipend for five students of \$16,800 and an annual cost of education allowance of up to \$12,000.

Students interested in applying for the scholarship must intend to pursue or currently be pursuing master's or doctoral level degrees in oceanography, marine biology, or marine archaeology. Applications must be postmarked by April 22, 2001. For additional information and application guidelines, see the Nancy Foster Scholarship Web site at <http://fosterscholars.noaa.gov>.

NOAA Saltonstall-Kennedy Grants

The NOAA Saltonstall-Kennedy Grant Program is seeking research and development proposals to improve the U.S. fishing industry. NOAA expects to have approximately \$3.8 million available for S-K grant awards in FY 2001. S-K grants are awarded for up to 18 months.

Proposals are selected based on a review for technical merit and to determine which proposals have the most potential. Proposals must address one of the following funding priorities:

- Optimum utilization of harvested resources under federal jurisdiction.
- Marine aquaculture.
- Planning for fishing community transition.
- Conservation engineering.

The deadline for submitting a grant application is Monday, May 7, 2001. A copy of the solicitation notice and application materials are available at <http://www.nmfs.noaa.gov/sfweb/skhome.html> or from the NOAA Fisheries regional offices. The NOAA S-K contact is Jacqueline Rousseau at (301) 713-0325.

Job

The University of Washington Sea Grant Marine Advisory Program is seeking a new program leader.

Qualifications include master's degree in a field related to marine resources, and eight years of experience, including at least five years in a marine-related field, or equivalent education/experience. Experience in outreach programming, including appropriate publications and presentations, is also required. Starting date for the position is August 1, 2001.

Contact Sue Raub (206) 543-6600, seagrant@u.washington.edu, or visit the program's Web site at <http://www.wsg.washington.edu>. Applications (including letter, resume, and 5 references) must be received by 5 p.m. May 18, 2001.



Electronic Newsletter

Would you like to change from a paper subscription of Fishlines to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, FNSK@uaf.edu.

Alaska Sea Grant College Program
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

[Alaska Sea Grant Fishlines](#) | [Alaska Sea Grant Homepage](#)

The URL for this page is <http://seagrant.uaf.edu/fishlines/Apr01.html>

Bristol Bay Symposium

MAP agent Kimberly Williams was the principal organizer of the [Bristol Bay Salmon Science Symposium](#), held in Dillingham May 2-4. The meeting brought together fishery scientists and the public to discuss issues affecting the region's salmon fisheries, including research findings on the impacts of climate change on salmon. Alaska Sea Grant provided support for the meeting.

Attendees concluded that Bering Sea salmon fisheries and oceanography are under-studied, in part because Bering Sea research is very expensive. It was recommended that Bering Sea physical oceanographers and salmon biologists collaborate more effectively in their research. Further, symposium participants recommended that more economics studies be done to find out, among other things, what size fishery fleet the Bristol Bay salmon fishery can support over the long-term. University of Washington fisheries biologist Ray Hilborn suggested that federal funding for Bering Sea salmon research should be \$10 million per year, in order to bring in the information needed for forecasting salmon runs. The current NOAA funding is about \$1 million per year.

SFOS faculty who participated in the symposium include Milo Adkison, Bruce Finney, Ole Mathisen, Nicholas Hughes, David Musgrave, and Steve Jewett. Scientists from the University of Washington, ADF&G, NMFS, USFWS, USGS, and the Bristol Bay Science Institute also presented.

Global Conservation

In late April, Marine Advisory associate director Rick Steiner testified in Moscow before the Russian Duma (congress) Committee for Economic Policy and Business and the Committee on Taxation at a hearing on "Macro-economic Efficiency of Alternative Tax Policies." His testimony was "Restructuring Oil Taxation Regimes to Maximize Public Benefit." Steiner's principal message is that oil companies—both Russian and foreign multinationals—are retaining far too much of the economic rent from publicly owned resources, oil in particular.

Steiner feels the production sharing agreements between regional governments in Russia and foreign oil companies are too favorable toward the oil companies. He recommended restructuring the tax regime to extract \$10-20 billion more revenue per year from oil and gas production into the federal treasury, establishing a Russian Permanent Fund (modeled on the Alaska fund), and establishing a Russian Land and Water Conservation Fund (LWCF) modeled on the LWCF in the United States, and he sought Russian support to create a global habitat conservation fund at the United Nations.

While in Moscow he also gave a seminar on resource economics to the Russian Academy of Sciences. Steiner said the recommendations and proposals were extremely well received, and that the committee chairmen will meet with President Putin with the recommendations. The Russian Academy of Sciences requested a summary of the testimony and seminar to provide to President Putin as well. Steiner's travel was supported by the Land Research Trust in London.

From Moscow Steiner went on to Tokyo to conduct a seminar for the Japan Environmental Disaster Information Center on oil spill prevention and response, and also to Sapporo where he gave a seminar on Sakhalin oil issues—both sponsored by Pacific Environment and Friends of the Earth-Japan. His speaking tour coincided with the release of the Japanese version of his co-authored 1999 report "Sakhalin's Oil: Doing it Right." He also met with top environmental officials of Mitsui and the Japan Bank for International Cooperation.

Awards

[Deborah Mercy's](#) video *School of Fisheries and Ocean Sciences* recently won an award at the annual International Film and Video Festival. The festival had 1,500 entries from 33 countries this year. Mercy won the Certificate for Creative Excellence, third place. The video, created at the request of Dean Vera Alexander, showcases SFOS researchers, faculty, and students at work. Mercy produced the video—she created the concept and did the writing, shooting, editing, narration, and motion graphics. The award ceremony will be held June 7-8 in Chicago. Mercy received a similar award from the International Film and Video Festival 10 years ago for her video [It Could Have Been Prevented](#), about river boating safety

in Alaska.

Alaska Sea Grant's [Salmon Migration Game](#) won a gold award in the ACE competition, in the graphic design/illustration category. Dave Brenner illustrated the game, and Sue Keller and Kurt Byers also helped with the product. The game, a joint Sea Grant–U.S. Fish and Wildlife Service project, has been a popular seller and has attracted attention at trade shows. It is available at Sea Grant for \$10.

Doug Schneider's [Arctic Science Journeys](#) radio series won a bronze award in the Agricultural Communicators in Education's (ACE) 2001 Critique and Awards competition, radio program category.

Science Fair

Alaska Sea Grant awarded several books, games, and bookmarks to K-8 students whose marine-topic science fair projects made a good showing at the Fairbanks North Star Borough School District Science Fair this spring. Topics of the student projects were polar bears, salmon life cycle, penguin power, seashells, life in the Sea of Cortez, killer whales, and tsunamis.

Sportsman's Show

During April 5-7 Sea Grant staffed a booth at the annual Alaska Outdoor Sportsman's Show in Anchorage. Kurt Byers and Tatiana Piatanova of Alaska Sea Grant, Beverly Bradley and Julie Carpenter of the Anchorage Marine Advisory office, and MAP agent Terry Johnson talked with the public about boating safety and marine education. Johnson also presented a seminar on how to buy insurance for a charterboat.

Public Comment Invited

Alaska Sea Grant will be reviewed July 17-20 by an assessment team appointed by the director of the National Sea Grant College Program. Those associated or familiar with Alaska Sea Grant are invited to provide the assessment team with comments on any aspect of the program or its work. You may submit written comments by mail, to

Program Assessment Team
Alaska Sea Grant College Program
P.O. Box 755040
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

or by email, to fygrant@uaf.edu.

Job

The Consortium for Oceanographic Research and Education (CORE) is looking for a research associate to provide support for research program and projects. Responsibilities include facilitating meetings and workshops, preparing technical and outreach documents, tracking projects, and representing CORE research activities at meetings and conferences. Applicants must have a master's degree and two years work experience. For more information see www.coreocean.org.

Ocean Challenge

James Cameron and Jean-Michel Cousteau are looking for ocean researchers and explorers to join them on a 2.5 year television expedition to make video images of as many of the ocean's treasures as possible, from the North Pole to Antarctica, from intertidal to the depths and every region in between. They seek people who are passionate about ocean science/exploration and have the ability to communicate that passion effectively. Preliminary applications are due May 11, 2001. For more information call (866) 605-5670, or visit www.ocean-challenge.net.

Electronic Newsletter

Would you like to change from a paper subscription of Fishlines to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, FNSK@uaf.edu.

Red Green Regatta

Sea Grant will join AlaskaOne Public Television to cosponsor the annual Red Green Regatta on July 14, on the Chena River in Fairbanks. The regatta, named after the popular Public Television comedy show, consists of a flotilla of duct-tape-constructed rafts that float down the river as part of the Greater Fairbanks Chamber of Commerce Golden Days celebration. Golden Days is a two-week series of community events that commemorates the discovery of gold in Fairbanks.

Volunteers are needed to help run the regatta from the boat launch at the University Avenue bridge, and to judge the crafts for several off-the-wall awards. Volunteers will get a free regatta T-shirt.

Prizes will include Alaska Sea Grant's recreational boating safety book, and Sea Grant outdoor safety materials and field guides will be on display at the finish point, Pike's Landing. Every crew person must wear a U.S. Coast Guard-approved life vest.

To enter the regatta, visit <http://www.fairbankschamber.org/RedGreenEntry.pdf>. For more information, contact Red Green Regatta planning committee chair, Kurt Byers, fnkbm1@uaf.edu, 474-6702.

New Sea Grant Program Coordinator

Alaska Sea Grant administration hired [Michele Frandsen](#) to fill the new program coordinator position. Frandsen started in May, and has responsibilities for preparing and submitting proposals, and maintaining the funded-project database/Web interface which tracks post-award grant reporting.

Frandsen worked indirectly for Sea Grant in the 1980s—her first position with SFOS was as assistant to the Sea Grant fiscal officer. Most recently Frandsen has worked as a laboratory technician at SFOS in the fisheries oceanography laboratory. She has studied wildlife biology at UAF, and she enjoys family activities, snowmachining, camping, gardening, travel, and reading.

Elena Allers Ortiz, who had many of the same responsibilities at Sea Grant for 12 years, has left the position to move to Seattle.

Science Day

Alaska Sea Grant sales manager Sherri Pristash and student assistant Nissa Bates participated in Badger Elementary School Science Day in May, where they conducted a marine animal identification relay game with 120 first and second graders. The children were organized into teams, who one-at-a-time grabbed a name label and ran to match it with a picture of a marine bird, fish, mammal, or invertebrate posted on a board. Pristash and Bates also discussed some facts about the animals with the children, and gave them all Sea Grant bookmarks and stickers as prizes. Pristash reports that the kids learned something about marine animals, and they especially loved to run with abandon, scream, and cheer. This was the third year Pristash participated in Badger science day.

Sea Grant Publication

[*Seabird Bycatch: Trends, Roadblocks, and Solutions*](#), edited by E.F. Melvin and J.K. Parrish, is the proceedings of a 1999 symposium held by the Pacific Seabird Group. Alaska Sea Grant and Washington Sea Grant jointly funded the publication.

The book significantly adds to the knowledge base of seabird incidental mortality in commercial fisheries, and emphasizes the importance of comprehensive solutions. In a concise synthesis of the symposium, the editors discuss techniques to measure bycatch in fisheries worldwide, obstacles to solving bycatch, and viable bycatch solutions. \$20.00, 212 pp., available at the Sea Grant office in 205 O'Neill, UAF.

Coastal Disasters Conference

The Solutions to Coastal Disasters Conference will be held February 24-27, 2002, in San Diego. It will

bring together coastal planners, managers, scientists, engineers, geologists, economists, oceanographers, and meteorologists to exchange information on coastal disasters. The four conference tracks are coastal storms, seismic effects, impacts on climate change, and shoreline change. The conference will encourage a multidisciplinary approach. The primary sponsor for this conference is American Society of Civil Engineers, Coasts, Oceans, Ports and Rivers Institute. For more information see <http://www.asce.org/conferences/cd2002/index.html> or contact Louise Wallendorf at lou@usna.edu.

Bridge to Asia Needs Books

Bridge to Asia, a tax-deductible program supporting education and promoting modernization in developing countries in Asia, provides books and journals to university libraries throughout Asia. Book and journal donations may be mailed to the organization. For more information see <http://www.bridge.org>.

Jobs

Oregon State University invites nominations and applications for director of the Hatfield Marine Science Center, in Newport, Oregon. The university is seeking candidates with success in using innovative and entrepreneurial approaches to meet complex management challenges and to advance marine sciences. The director must be a distinguished scientist with broad experience in marine science and the management of large, complex scientific programs.

The Department of Oceanography at Texas A&M is looking for a marine molecular microbial ecologist. This is a tenure track faculty position at the assistant professor level, requiring a Ph.D. The successful candidate is expected to develop a strong externally funded research program that will foster the growth and strength of microbial ecology in the department. Further information on courses and the department can be found at <http://www-ocean.tamu.edu>. For more information contact Lisa Campbell, lcampbell@ocean.tamu.edu. Review of applications will begin on 6/29/01 and continue until the position is filled.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, FNSK@uaf.edu.

Alaska Sea Grant College Program
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

[Alaska Sea Grant Fishlines](#) | [Alaska Sea Grant Homepage](#)

The URL for this page is <http://seagrant.uaf.edu/fishlines/Jun01.html>

PSP Training Workshop

MAP specialist Ray RaLonde organized the Kodiak workshop "Paralytic Shellfish Poisoning: Education and Training," held June 2001, to educate citizens on the PSP problem, provide training for a new PSP detection kit, and organize a monitoring effort.

Kodiak Island is the only location in the United States where recent fatalities from PSP poisoning have occurred. Yet despite the potential for illness or death from eating personal harvest shellfish, Kodiak Island residents continue to harvest. At the workshop citizens were trained how to use the new Jellett MIST™ Alert kit, and interpret the results to assure safe shellfish harvest. The test kit is the result of research funded by ASTF (Alaska Science and Technology Foundation) to Jellett Biotek Ltd. of Dartmouth, Nova Scotia. Field testing has been supported by ASTF and Alaska Sea Grant.

Speakers at the workshop were Robert Chaney, ASTF; Scott Smiley and Brian Himelbloom, FITC; Ray RaLonde; Dick Barrett, Alaska Dept. Environmental Conservation; Julie Matweyou, SFOS student; and Joanne Jellett, Jellett Biotek Ltd.

A total of 35 people received training at this workshop and at a similar workshop in Anchorage. A major concern discussed at the training sessions was the risk involved when kit users fail to take a representative sample from the beach. The kit does a good job of testing the shellfish, but the field sampling process needs to be refined. RaLonde is developing a monitoring program with several villages and the Native American Fish and Wildlife Society, which will utilize technicians trained with kits made available through ASTF. Over the next year he will continue to field test the kit, and educate the public about the dangers of PSP.

Sea Grant Program Assessment

Alaska Sea Grant presented a synopsis of its program and accomplishments to the program assessment team July 17-20, in Juneau, Kodiak, Anchorage, and Fairbanks. Assessment team members were John Toll (chair), National Sea Grant review panel member, President Emeritus, University of Maryland; Geraldine Knatz, National Sea Grant review panel chair, managing director of Port of Long Beach; Russ Moll, California Sea Grant director; Bud Griswold, former National Sea Grant extension director; Andrew Rosenberg, Dean of College of Life Sciences and Agriculture, University of New Hampshire, former NMFS deputy assistant administrator; and Emory Anderson, National Sea Grant program director for fisheries.

Many Alaska Sea Grant and marine advisory staff, principal investigators and collaborators, both within and outside of the University of Alaska, graciously made presentations during the assessment.

Juneau: Jim Taggart, USGS Glacier Bay; UAF Provost Paul Reichardt; Don Kramer, MAP; Susan Sugai, Doug Schneider, and Brenda Baxter, Sea Grant; SFOS Dean Vera Alexander; Heather McCarty, At-Sea Processors Association; Jim Balsiger, NMFS regional administrator; Judy McDonald, SFOS; Clay Good, Juneau-Douglas High School teacher; Jessica Page, Juneau-Douglas High School student; Bill Smoker, Tony Gharrett, and Terry Quinn, SFOS fisheries faculty; Fred Utter, University of Washington; Bill Heard, NMFS Auke Bay Lab; A.J. Paul, SFOS marine science faculty; Keith Criddle, Utah State University; Dana Hanselman, SFOS fisheries student; Gordon Kruse, ADFG; and Chris Oliver, North Pacific Fishery Management Council.

Kodiak: Chris Blackburn, SFOS and Sea Grant Advisory Council; Scott Smiley and Chuck Crapo, FITC; Ed Kolbe, MAP regional engineer, Oregon State University; Greg Favretto, Favco; Randy Rice, ASMI; Chuck Jensen, Ocean Beauty Seafoods; Don Kramer, Kate Wynne, and Deborah Mercy, MAP; Manny Soares, Alaska Dept. Environmental Conservation; Jerry Dzugan, Alaska Marine Safety Education Association; Hank Pennington, retired MAP; Capt. Vince O'Shea, U.S. Coast Guard; Al Burch and Jay Stinson, Alaska Draggers Association; Paula Cullenberg, North Pacific Fisheries Observer Training Center; Mike Castellini, SFOS marine biology faculty; Sue Keller and Kurt Byers, Sea Grant; and Doug DeMaster, National Marine Mammal Lab.

Anchorage: Don Kramer, Rick Steiner, and Ray RaLonde, MAP.

Fairbanks: Brenda Konar, SFOS faculty; Amy McKenzie, Shawn Harper, Ann Knowlton, and John Terschak, SFOS students; Bruce Finney and Gerry Plumley, SFOS faculty; Ray RaLonde, MAP; Tatiana Piatanova, Sherri Pristash, Carol Kaynor, Sue Keller, Kurt Byers, Doug Schneider, and Kathy Kurtenbach, Sea Grant communications staff.

Many thanks to all participants and supporters. An assessment report is anticipated this fall.

Genetics Symposium

"Genetics of Subpolar Fish and Invertebrates," the 20th Wakefield Fisheries Symposium sponsored by Alaska Sea Grant, will be held in Juneau, May 29-31, 2002. Abstracts should be submitted by October 15, 2001, online or by email.

Symposium participants will learn about advances in genetics and help chart the direction of research on genetics of subpolar fish and invertebrates for the coming decade. The proceedings of the 2002 symposium will be published as a dedicated issue of *Environmental Biology of Fishes*, a peer-reviewed international journal.

The past decade has seen significant progress in using genetic methods to characterize biodiversity in economically important subpolar fishes and invertebrates. This meeting will allow geneticists to share information on genetic stock identification of fishes; genetic-based experiments on biology and life histories; genome mapping; and molecular methods for studying traits. For more information on the symposium see the [call for papers](#).

Sea Grant at the Fair

Tanana Valley Fair-goers enjoyed talking with Sea Grant sales manager Sherri Pristash on UAF day August 3. Pristash promoted appreciation for the ocean and its critters, and encouraged people to attend UAF. She gave away Sea Grant catalogs and bookmarks, and gave prizes to children who could identify marine mammal furs and skeletal parts.

Attempted Rescue of Humpback Whales

In June, Kate Wynne, Bob Foy, and Brianna Lawson, SFOS, attempted to rescue two humpback whales ensnared in buoy line in the Gulf of Alaska. NMFS and the U.S. Coast Guard were also involved in the attempted rescue. After an exhausting eight-hour pursuit in the Gulf of Alaska, the rescue group lost track of the mother and her calf. The event was reported in a June 18 *Anchorage Daily News* story. Wynne says Alaska sees humpbacks caught in fishing line every summer, but this was the first time a pair had been seen trapped together.

Bottom Trawl Web Site

The SFOS Web site (<http://www.sfos.uaf.edu/>) features multimedia pages devoted to a study of bottom trawling impacts on the Bering Sea. Graduate student Eloise Brown and principal investigators Sue Hills and Bruce Finney are conducting the study with grants from the North Pacific Marine Research Program (NPMR), Alaska Sea Grant, and the Groundfish Forum. The Web site features a story about their field work, as well as photos, audio, and video interviews with the researchers, and video of divers conducting research on the seafloor. The site also has links to other Web sites about bottom trawling. Content for the Web site was produced by Doug Schneider at Alaska Sea Grant, and Dave Partee, SFOS/NPMR, placed the media elements on the Web.

Coral Reef Workshop

"Conservation and the Coral Reef World" is an online workshop for teachers and educators, sponsored by the Sustainable Seas Expedition and National Geographic, and organized by the College of Exploration. It is designed to bring explorers, scientists, and teachers together for four weeks of learning about the oceans and coral. All activities are Web-based. The program ran in July and will be held again in October 2001. To find out more, go to <http://www.coexploration.org/sse/coral>.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School

*of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703,
FNSK@uaf.edu.*

Alaska Sea Grant College Program
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

[Alaska Sea Grant Fishlines](#) | [Alaska Sea Grant Homepage](#)

New Sea Grant Publication

[What You Need to Know about Recreational Boat Insurance](#), a new 6-page publication by Terry Johnson, clarifies insurance coverage for recreational boat owners, and offers solutions to selecting insurance. Insuring properly can save a lot of money—recreational boat owners have been sued for tens of thousands of dollars because of damage caused by their boats' wakes, and owners are legally liable for costs of recovering fuel spilled if their boat is wrecked. Johnson explains off-the-shelf boat policies, yacht policies, marine policy components, how to keep premiums low, and how to file a claim. Single copies are free.

Paust Retires

[Brian Paust](#), MAP agent and SFOS professor of fisheries education, retired July 1 after 22 years with the UAF Marine Advisory Program. While on MAP duty, Paust authored more than 20 extension publications, and helped thousands of Alaskans with commercial fisheries development, aquaculture, seafood marketing, fisheries curriculum, and community and small business development.

Paust's post-retirement plans are to continue his work with marine resource development in Southeast Alaska. He will work part-time in the Petersburg MAP office through early 2002. In addition, Paust is doing graduate studies in ArcView GIS (Geographic Information System) with the ESRI Virtual University (Environmental Systems Research Institute), and will enroll at the University of Washington or Oregon State University to finish the degree. He will use GIS to help aquaculture farmers and others in site selection, and to conduct fishery distribution research.

At least for the short term, Petersburgers in need of fisheries information will be able to continue to get answers from Paust in the MAP extension office.

Underwater Research Symposium in Seward

Scientists from several countries will get together at the Alaska SeaLife Center in Seward, Alaska, September 19-23, for the 21st annual Scientific Diving Symposium, sponsored by the American Academy of Underwater Sciences (AAUS) and SFOS. This year's conference, the first in Alaska, focuses on cold water science diving.

Alaska Sea Grant has published extended abstracts of the presentations in the book *Cold Water Diving for Science*, edited by Stephen C. Jewett. Twenty-two papers focus on marine and freshwater research and education in cold waters worldwide, using scuba and nitrox diving, manned submersibles, and ROVs. Topics include diving safety, physiology, techniques, and research investigations in chemistry, geology, archeology, and biology. Several are on Alaska work, including underwater video of salmon returns to the Yukon River and research on Bering Sea jellyfish. Also included are underwater studies on Alaska river otters, herring embryos, kelp forest production and survival, and underwater capture of Steller sea lions. The 100-page book is available in the Sea Grant office for \$10.00.

Homer MAP Agent

This past summer Homer MAP agent [Terry Johnson](#) took his boat, Inconnu, from Homer around the Alaska Peninsula to northern Bristol Bay, where he spent two months in the Walrus Islands, guiding naturalists and photographers looking for walrus, seabirds, bears, and other wildlife. His small guiding business has acquainted Johnson with the challenges of remote ecotourism. He is scheduled to give a talk on development of marine ecotourism in western Alaska at the Rural Development meeting in Dillingham at the end of September. Johnson heads up the marine recreation mission within the Marine Advisory Program.

Currently Johnson is compiling a Bristol Bay recreation resources directory, and writing a Lower Cook Inlet supplement to the *Alaska Boater's Handbook*, published by the Alaska Office of Boating Safety. Johnson will contribute to the [Kachemak Bay Science Conference](#), September 14-15 in Homer, the [Beringia Days](#) conference, October 18-19 in Anchorage, and the Society for Marine Mammalogy

workshop on [Viewing Marine Mammals in the Wild](#), November 28 in Vancouver.

Fellowship Project Proposals Due

State project proposals for the NOAA Coastal Management Fellowship program are due at the NOAA Coastal Services Center October 19, 2001. Projects will be selected November 13. The Coastal Management Fellowship program began in 1996, to provide professional on-the-job education and training for postgraduate students in coastal resource management and policy, and to provide technical assistance to state coastal resource management programs. The program matches highly qualified, recently graduated master's, professional, and doctoral students with state hosts around the United States in state coastal zone management programs. For two years, the recipients work on state-level coastal resource management issues with relevance to federal management policies. Candidate applications are due January 31, 2002.

Since 1996, 32 students have participated in projects in 17 states, including one Alaska student and one project in Alaska. In 1997, former UAF student Alison Ward worked on a wetlands project with the Maine Coastal Program, and the Alaska Department of Fish and Game hosted Washington student Bridget Callahan on a Kachemak Bay ecosystem project. For the September 2001 project call for proposals, see <http://www.csc.noaa.gov/cms/fellows/announcement.pdf>.

Pacific Rim Salmon Conference

The Wild Salmon Center will host the Pacific Rim Wild Salmon and Steelhead Conference on November 5-6, 2001 in Portland, Oregon. The conference will bring together biologists, policy makers, conservationists, and user groups from the Pacific Rim to address the decline of Pacific salmon and steelhead stocks. It will highlight the results of the Wild Salmon Center's effort to coordinate a Pacific Rim assessment of the status of salmon stocks in their native range. For detailed conference information, including an agenda, visit <http://www.wildsalmoncenter.org>.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, FNSK@uaf.edu.

Alaska Sea Grant College Program
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

[Alaska Sea Grant Fishlines](#) | [Alaska Sea Grant Homepage](#)

Model for Bering Sea Fisheries Economics

Anna Furniss, Utah State University graduate student, worked on Keith Criddle's Sea Grant-funded project "Precision of Prohibited Species Bycatch Estimates for Pooled and Individual Bycatch Quotas" earlier this year. Furniss's job was to test a fishery simulator model created by another graduate student in her department.

The model simulates walleye pollock and yellowfin sole fisheries in the Bering Sea/Aleutian Islands region. The purpose of the model is to answer economic questions for these fisheries. For example, the simulator will be able to answer the question, is it more economical for vessels to fish on a fleet level, pool level, or individual level. Criddle wants to know if fishing on a fleet level will help fisheries stay open longer because the fleet could share the quota for bycatch. If bycatch can be simulated precisely, then Criddle can answer this question of shared bycatch quotas.

Furniss tested the accuracy of the model and helped develop bootstrap data files from data collected by the North Pacific Groundfish Observer Program. Bootstrap data is raw, or not mathematically altered. The model simulates from the raw data, and thus reflects the behavior of the fishery. Once the files are in place, the simulator should be able to answer economic questions and aid fisheries managers.

Furniss is a master's candidate for the industrial mathematics master's program in the Department of Mathematics and Statistics at Utah State University. Her bachelor's degree is in statistics, also from USU.

Her current master's research work is for the NMFS Alaska Fishery Science Center Observer Program involving the Pacific cod fishery in the eastern Bering Sea. Criddle, who is on Furniss's advisory committee, works closely with her on her new project. Criddle is professor of economics at Utah State University in Logan. He has continued to be awarded Alaska Sea Grant funding for fisheries economics research after he left the UAF Department of Economics in 1998.

Exploring On-Bottom Shellfish Mariculture

MAP aquaculture specialist Ray RaLonde is organizing a conference, Exploring On-Bottom Shellfish Mariculture, to be held November 13-14, 2001, in Anchorage. The conference will present updates on research and industry practices used in clam aquaculture. Workshops will also be included to help the state, industry, and university develop sound husbandry practices, regulatory programs, and research priorities.

The audience for the conference is scientists, shellfish farmers, conservation groups, and legislators. Topics will include shellfish genetics, impacts on flora and fauna, effects on physical habitats, disease and transport, and the biology of mariculture in Alaska. Sponsors of the conference are ADFG Commercial Fisheries Division, Pacific Aquaculture Caucus, University of Alaska, and Alaskan Shellfish Growers Association. For more information go to <http://www.uaf.edu/map/workshops/mariculture.html>.

Brown Moves on to DEC

Liz Brown has taken a position with the Alaska Department of Environmental Conservation in Dutch Harbor, Alaska. While Brown was on the faculty at Sheldon Jackson College in Sitka, she served as seafood technology program coordinator for the Alaska Marine Advisory Program in Sitka for three years.

Climate Warming Story

Alaska magazine published Doug Schneider's article "On Thin Ice: Alaska Feels the Heat of Climate Warming" in the October 2001 issue. Schneider, Alaska Sea Grant science writer, tells a convincing story of climate warming in Alaska, while his interviews with scientists reveal differing opinions on whether the change is a natural cycle or caused by burning fossil fuels.

New Sea Grant Book

Increasingly, fishermen are gearing up to ship their products alive to market. To help in this growing seafood industry, Alaska Sea Grant offers a new book, *Marketing and Shipping Live Aquatic Products*, edited by Brian Paust and Allison Rice, which describes marketing and shipping live finfish and shellfish, as well as other aquatic species such as ornamentals and plants. Researchers, managers, fishermen, growers, buyers, wholesalers, shippers, and retailers all offer information to improve efficiency and profitability in the industry. The book is the proceedings of Marketing and Shipping Live Aquatic Products: Second International Conference and Exhibition, held in Seattle in 1999. Copies are \$20.00 in the Sea Grant office, 474-6707.

Presidential Commission on Ocean Policy

The 16-member Commission on Ocean Policy, appointed by President Bush, is undertaking an 18-month investigation of oceans-related issues and will make recommendations to the president and Congress for a national ocean policy. At its first meeting last month, members named Admiral James D. Watkins, U.S. Navy (retired), chair of the commission. Alaska businessman and philanthropist Edward Rasmuson is one of the 16 members of the commission. Rasmuson served for 14 years on the Board of Regents for the University of Alaska.

Over the next 18 months, the commission will assess ocean issues, including stewardship of fisheries and marine life; offshore oil, gas, and nonliving resources; coastal storms and other natural hazards; ocean and coastal pollution; marine transportation; the role of oceans in climate change; oceanographic science and technologies; and international leadership and cooperation in marine affairs. The National Academy of Sciences Ocean Studies Board will establish a science advisory panel to ensure that the scientific reports presented to the commission are based on the best available scientific information.

The Presidential Commission on Ocean Policy was created by the Oceans Act of 2000. It calls for development and implementation of a coherent, comprehensive, and long-range national policy to explore, protect, and use ocean and coastal resources. More than three decades have passed since the United States conducted such a thorough review of national ocean and coastal activities.

Job

The Nicholas School of Environment and Earth Sciences at Duke University invites applications for the Rachel Carson Chair in Marine Affairs and Policy, a tenure-track position. Applicants should have a funded research program; strong background in quantitative and qualitative social science research methods; teaching ability; and a strong field research orientation. Applications will be reviewed beginning on November 1, 2001. Contact Michael Orbach, Duke University Marine Laboratory, 135 Duke Marine Lab Rd., Beaufort, NC 28516-9721.

Request for Proposals

The NOAA Ocean Exploration Initiative invites proposals on the following topics: (1) exploring unknown ocean regions; (2) exploring ocean dynamics and interactions at new time scales; (3) developing new sensors; (4) exploring U.S. maritime heritage; (5) exploring the ocean using remote sensing techniques; and (6) exploring for living and nonliving ocean resources. Proposals should be submitted to the Office of Ocean Exploration by November 7, 2001. Education and outreach activities must be part of the proposal. For details see <http://oceanexplorer.noaa.gov>.

The NOAA Ocean Exploration Initiative is a result of the President's Panel on Ocean Exploration, which met in 2000. SFOS Dean Vera Alexander served as one of 31 panel members.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, FNSK@uaf.edu.

Global Warming Video

In September Rick Steiner and Deborah Mercy produced a video on global warming, in the Alaska Resource Issues Forum series. It is a one-hour discussion of climate change, warming trends in Alaska and the Arctic, impacts, what is known about its causes, and what can be done in response. The video was aired on Alaska TV in September. The panel features:

- Gunter Weller, Center for Global Change Research
- Caleb Pungowiyi, Robert Newlin Memorial Trust, Kotzebue
- Orson Smith, School of Engineering, UAA
- Gray Hufford, National Weather Service
- Comments from U.S. Senators Ted Stevens and Joe Lieberman

To get a copy of the video contact the Marine Advisory office, 907-274-9691.

National Ocean Sciences Bowl Article

Sea Technology published an article written by Kurt Byers, "National Ocean Sciences Bowl Piques Interest," in the October 2001 issue. The national Sea Grant network is a sponsor of the National Ocean Sciences Bowl, and Alaska Sea Grant has made important contributions to the Alaska NOSB. The article documents the benefits of the event.

The goals of NOSB are to bring in new talent in marine sciences disciplines; increase knowledge of the oceans on the part of high school students, teachers, and parents; and raise public understanding of the national investment in ocean research. In the 2001 school year 1,700 students and teachers participated in NOSB nationwide, representing 264 high schools. In the article Byers highlights Judy McDonald's innovations for the Alaska NOSB. McDonald organized the Alaska NOSB from 1998 to 2001, and the 2002 event is being organized by Phyllis Shoemaker. For more information on the Alaska NOSB see <http://seagrants.uaf.edu/nosb/index.html>.

New Proceedings Book

Spatial Processes and Management of Marine Populations, edited by G.H. Kruse, N. Bez, A. Booth, M.W. Dorn, S. Hills, R.N. Lipcius, D. Pelletier, C. Roy, S.J. Smith, and D. Witherell, was recently published by Alaska Sea Grant. The book represents worldwide expertise in spatial features of marine population dynamics, spatial fisheries management applications, and technological advances in spatial fisheries research and management. Thirty-five peer-reviewed articles feature cutting edge spatial research in analytical tools, modeling, life history patterns, distribution, physical environment, species interactions, and marine protected areas. The October 1999 symposium, held in Anchorage, Alaska, was the 17th Lowell Wakefield Fisheries Symposium. Price \$40.00 in U.S. and Canada, \$60 for overseas orders, 730 pp.

Alaska Sea Grant also has a new paper catalog. Drop by the Sea Grant office for a free copy of the catalog, or phone 1-888-789-0090.

Charter Log Newsletter

The June 2001 issue of the University of Alaska Marine Advisory Program's Charter Log Newsletter is available online at <http://www.uaf.edu/map/charterlog/index.html>. Editor Terry Johnson, Homer MAP agent, gears the newsletter to Alaska charterboat operators. The issue includes the following articles:

- Coast Guard upgrades radio coverage
- Problems continue for large outboard motors
- NMFS eases humpback proximity regs
- Safety considerations for elderly passengers
- Opposition arises to IFQ plan

Seafood Byproduct Conference

The 2nd International Seafood Byproduct Conference will be held November 10-13, 2002, at the Hotel Captain Cook in Anchorage, Alaska.

In the decade since the first International Seafood Byproduct Conference held in Alaska, many changes have occurred in the industry. The Alaska seafood industry now harvests 2 million metric tons of seafood for human seafood markets, and nearly 50% of the food fish caught in U.S. waters comes from Alaska. The amount of waste from seafood processing exceeds 1.2 million metric tons annually. Fish byproduct utilization and fish waste disposal issues are more important than ever to fishing industries.

The program will include invited and contributed presentations on world markets, animal feeds, plant fertilizers, alternative energy, human food, supplements, pharmaceuticals, regulations, environment, safety, innovative technology, and industry priorities. University of Alaska Sea Grant will publish a proceedings of the meeting.

Conference chair is Jerry Babbitt of the National Marine Fisheries Service. The conference committee includes Brenda Baxter, Alaska Sea Grant; Peter Bechtel, U.S. Department of Agriculture; Robin Cababa and Ian Forster, The Oceanic Institute; Ronald W. Hardy, University of Idaho; Marc Jones, Alaska Fisheries Development Foundation; Don Kramer, Marine Advisory Program; and Scott Smiley, Fishery Industrial Technology Center. Abstracts for presentations are due May 1, 2002. For more information contact akfishfound@aol.com.

Fisheries Sustainability Conference

The Center for Sustainable Fisheries at the University of Miami's Rosenstiel School of Marine and Atmospheric Science is presenting the conference Scientific and Technical Bases for the Sustainability of Fisheries, in Miami, Florida, November 26-30, 2001.

Scientists will discuss sustainability of fisheries, the management strategies and methods to achieve sustainability, and technologies that could be used to achieve sustainability. For information go to <http://www.rsmas.miami.edu/groups/cfsf/2001conf/index.html>.

Marine Ornamentals Conference

Marine Ornamentals 2001: Collection, Culture & Conservation will be held in Lake Buena Vista (near Orlando), Florida, November 26-December 1, 2001. It is sponsored by eleven Sea Grant Programs, the Florida Department of Agriculture and Consumer Services, Division of Agriculture, and FAO Fisheries. The conference will help create a viable future for the marine ornamentals industry. For further information go to <http://conference.ifas.ufl.edu/MO>.

Job

University of Connecticut is looking to hire a research assistant to conduct research on the physiological ecology and biology of nori (*Porphyra*) to support a multi-institutional project integrating tank-based *Porphyra* and summer flounder aquaculture. The position is available for up to two years. A doctoral degree in marine biology or a related discipline is desired. Applications will be accepted until the position is filled. Contact Charles Yarish, 203-251-8432; charles.yarish@uconn.edu.

Campus Ecology Fellowship

National Wildlife Federation's Campus Ecology Fellowship Program offers an opportunity for undergraduate and graduate students to pursue their vision of an ecologically sustainable future. Fellows gain practical experience in the conservation field and first-hand knowledge of the challenges and opportunities inherent in conservation efforts. Fellows also receive project support, and a modest grant. Visit <http://www.nwf.org/campusecology/fellowships> to access the grant guidelines and an application form. This site also has the 2000-2001 project descriptions, sample winning proposals, project ideas, and tips.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703,

2002-2004 Alaska Sea Grant Projects Funded

Alaska Sea Grant has selected seven new research projects for funding in 2002-2004. The proposals were peer-reviewed, and evaluated by an advisory panel on scientific merit. The final selection was guided primarily by peer and panel reviews with secondary consideration given to program balance. Funding for projects begins February 1, 2002.

- Understanding the Role of Marine-Derived Nutrients in Population Dynamics of Sockeye Salmon—Milo Adkison, Bruce Finney
- An Economic Analysis of Pacific Halibut Commercial Fishery—Keith Criddle, Mark Herrmann
- Generalized Models of Local Depletion for Walleye Pollock in Steller Sea Lion Critical Habitat—Terry Quinn
- Seasonal and Biochemical Nutritional Variance in Pollock as a Food for Marine Mammals—Michael Castellini
- Utilization of Alaskan Kelp Beds by Commercially Important Fish—Brenda Konar
- Identification of the Cyanobacterial Saxitoxin Genes—Gerry Plumley
- A Model System to Examine Delayed Effects of Pollution Exposure—Michael Stekoll

The following Marine Advisory projects were selected for funding for 2002-2004, also by a review process. MAP faculty and staff will conduct the projects in addition to their day-to-day extension responsibilities.

- Technical Assistance Program for Alaska Seafood Processors—Chuck Crapo, Quentin Fong
- Seafood Technology Literature Log—Don Kramer
- Assortment Analysis of Hong Kong Seafood Products—Quentin Fong, Chuck Crapo
- Herring Market Survey—Quentin Fong, Terry Johnson
- Technology Transfer to Enhance Seafood Plant Productivity—Ed Kolbe
- Training Assistance for Alaska Processors—Don Kramer, Chuck Crapo, Ed Kolbe
- NOSB Video Program—Deborah Mercy
- Sightings and Samples: A Community-Based Research Effort—Kate Wynne
- Adult Education Workshops for Y-K Area—Walter Suomela
- Alaska Resource Issues Forum TV Program—Rick Steiner
- *Charter Log and Boatkeeper* Publication Series—Terry Johnson
- Development of Voluntary Guidelines to Marine Wildlife Viewing—Terry Johnson
- PSP Outreach, Monitoring, and Research—Ray RaLonde
- Purple Hinge Rock Scallop Aquaculture Development—Ray RaLonde
- Shellfish Aquaculture Development for Prince of Wales Island—Ray RaLonde

Johnson Shares Award

Homer MAP agent [Terry Johnson](#) is co-recipient of the U.S. Secretary of Transportation's Partnership for Excellence Award. He shares the award with 32 other members of the Whittier Task Force, a multiagency group formed in 1999 to address safety issues of the Whittier road project. Several state and federal agencies were concerned that the new road, which opened in June 2000, would attract boaters unprepared for the strong winds and high waves common in Prince William Sound.

The task force provided safety services such as a life jacket loan station, more weather broadcasts, additional search and rescue capability, and a float plan tracking system. Johnson's role was to write the 31-page PWS supplement to the *Alaska Boater's Handbook* (<http://www.dnr.state.ak.us/parks/boating/handbook.htm>), published in 2000 by the Alaska Office of Boating Safety.

MAP and Sea Grant Participate in Marine Mammal Meeting

Terry Johnson made a presentation "Tale of Two Haulouts," about walrus viewing management in Alaska, at a workshop in Vancouver, Canada. The workshop, "Viewing Marine Mammals in the Wild," was part of the 14th Biennial Conference on the Biology of Marine Mammals held earlier this month in Vancouver, Canada.

Johnson talked about Cape Peirce, part of the Togiak National Wildlife Refuge, and Round Island, where walrus viewing is managed by the state. At Cape Peirce federal managers impose access limitation and constraints on guides, while on Round Island the onus is on the visitors to minimize disturbance. Both management systems are effective, but Johnson observes that at Round Island the visitors are more conscious of the conservation process because they are directly involved.

Communications manager Kurt Byers hosted a booth at the Vancouver conference to display Alaska Sea Grant books. He sold more than 30 copies of [Kate Wynne's](#) books—*Guide to Marine Mammals of Alaska* and *Guide to Marine Mammals and Turtles of the U.S. Atlantic and Gulf of Mexico*—to attendees. Wynne, Kodiak marine mammal specialist, also attended the meeting.

Effects of Fishing on Benthic Habitats Symposium

The Symposium on Effects of Fishing Activities on Benthic Habitats: Linking Geology, Biology, Socioeconomics, and Management will be held November 12-14, 2002, in Tampa, Florida. The goal of the meeting is to help ensure sustainable fisheries and healthy, diverse ecosystems by transferring scientific knowledge on benthic habitats to resource managers. The target audience includes biologists, geologists, and economists studying the effects of fishing; fishery managers; commercial and recreational fishing representatives; and environmental groups. The meeting is sponsored by the American Fisheries Society, Ecological Society of America, NOAA (including the National Sea Grant Office), and U.S. Geological Survey. For more information go to <http://walrus.wr.usgs.gov/bh2002/index.html>.

Water Farming Conference

The conference Water Farming—World's Future will be held February 12-14, 2002, in Baltimore, Maryland. This is the first public event of the Water Farming Initiative (WFI). The conference will establish common ground for an expansion of sustainable water farming as the basis for increased consumer demand for water-farmed products. Organizers hope to reach opinion leaders (journalists, chefs, environmentalists, industry, government, and others) concerning:

- Science-based reporting of facts about aquaculture
- Health benefits of seafood
- The need for regulations that encourage, rather than discourage, investment in aquaculture
- Solutions, not confrontation

Go to <http://www.oldwayspt.org> to view the full program and to register online.

Electronic Newsletter

Would you like to change from a paper subscription of *Fishlines* to electronic only? Please contact Sue Keller at fnsk@uaf.edu. Each month we will send you an email linked to the electronic copy on the Sea Grant Web site.

Fishlines is a monthly in-house newsletter reporting Alaska Sea Grant activities to staff, students, and principal investigators of Alaska Sea Grant and the Marine Advisory Program, and staff of the School of Fisheries and Ocean Sciences. For more information contact Sue Keller, (907) 474-6703, FNSK@uaf.edu.

Alaska Sea Grant College Program
University of Alaska Fairbanks
Fairbanks, AK 99775-5040

[Alaska Sea Grant Fishlines](#) | [Alaska Sea Grant Homepage](#)

The URL for this page is <http://seagrant.uaf.edu/fishlines/Dec01.html>