Keller wins publications award

Sue Keller, Publications Manager/Editor for the School of Fisheries and Ocean Sciences Alaska Sea Grant College Program, has been chosen to receive the Award of Excellence by the Publications Special Interest Group in the Agricultural Communicators in Education (ACE) professional organization.

According to the award letter, the award was given for “. . . substantial and creative contributions to the communications/information technology profession, and her leadership and involvement in ACE of a number of years.”

Keller will receive her award in person at the annual ACE meeting July 25 in Washington, D.C.

Knowlton and Terschak judge science fair

Ann Knowlton and John Terschak were judges at the recent American Indian Science and Engineering Society’s National Science Fair.

New research center established at SFOS

The Pollock Conservation Cooperative (PCC), a fishing consortium comprised of companies that operate catchers/processors in the Bering Sea pollock fishery, donated $255,500 to the University of Alaska Fairbanks to establish a new research center. Cooperative members will continue to contribute $1 million annually beginning this year for the PCC Research Center, a collaborative program for marine research and education in Alaska.

The initial donation was presented to UAF’s Chancellor Marshall Lind during a noon luncheon Friday, April 14, at the Anchorage Hilton Hotel. The PCC Research Center will provide grants for UAF graduate students and faculty to research the fisheries, ecosystems and species of the North Pacific and Bering Sea. The center will be administered from the Fairbanks campus and also fund marine resource economic research, marine education, technical training and support research aboard university-owned marine research vessels.

“The center will enable scientists to carry out research benefiting current fishery management issues within an ecosystem context,” according to UAF School of Fisheries and Ocean Sciences Dean Vera Alexander.

“It will strengthen the curriculum for fisheries education, incorporating policy development and business concerns with a strong scientific and mathematical grounding.”


Scuba training expands scientist’s capabilities

The School of Fisheries and Ocean Sciences offered its first scientific diving course this semester. Sixteen students met once a week for six weeks with various objectives such as swim tests, basic SCUBA skills, in-water rescue drills, dry-suit training, and scientific gear building.

After jumping through all these necessary drills and fitness tests, the class went to SFOS’s Kasitsna Bay Marine Lab on the lower Kenai Peninsula during spring break to put into practice the skills they learned.

Of the 14 students who made the trip to Kasitsna Bay, nine were

Members of the SCUBA diving class include (back row l-r): Mike Geagel, Steve Whitney, Judy Hamilton, Jennifer Plett, Jonathan Geagel, Christina Foshee, Cathy Hegwer and (front row l-r) Dr. Brenda Konar, Pete Kriz, Dan Gaston, Eloise Brown, Julie Matweyou, Jeannine Jarvis (Assistant Diving Instructor), Heloise Chenelot, Dr. Sue Hills, Reid Brewer and Diving Instructor Mitch Osborn.
REMINDER BINDER

Remember: All proposals must go through the signature process prior to being submitted.

In order to ensure that your proposal does not miss deadlines, we encourage you to submit it to Academic Services at least two weeks prior to the submission deadline. This will give us time to go through the proposal and correct any problems we may find. Our goal is to present researchers as professionally as possible to the funding agencies.

We cannot do this when we have to rush through last minute proposals.


Funding -- March 2000

<table>
<thead>
<tr>
<th>PI</th>
<th>Project Title and Funding Agency</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Johnson</td>
<td>Comparison of Arctic Warming - IARC</td>
<td>$150,000</td>
</tr>
<tr>
<td>Proshutinsky</td>
<td>Arctic Ocean Model Intercomparison - IARC</td>
<td>$23,000</td>
</tr>
<tr>
<td>Whitledge</td>
<td>SEBSS Nitrate Measurements - NOAA</td>
<td>$115,920</td>
</tr>
<tr>
<td>* Abromaitis</td>
<td>Sea Bird Isotope Ratio Productivity - NOAA</td>
<td>$7,565</td>
</tr>
<tr>
<td>* Bando</td>
<td>Steller Sea Lion Nutritional Model - NOAA</td>
<td>$9,317</td>
</tr>
<tr>
<td>Wheat</td>
<td>East Pacific Rise Exchange Process - National Science Foundation</td>
<td>$36,194</td>
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<tr>
<td>Wyne &amp; Foy</td>
<td>Species Composition of Fishes - UA Foundation</td>
<td>$34,102</td>
</tr>
<tr>
<td>* Blamey</td>
<td>Fish Productivity Factors - Natural Resources Fund</td>
<td>$13,573</td>
</tr>
<tr>
<td>* Zimmerman</td>
<td>Ocean and Atmospheric Interannual Variability - Center for Global Change</td>
<td>$5,000</td>
</tr>
<tr>
<td>Smiley</td>
<td>Pinbone Machine - Presidents Special Projects Fund</td>
<td>$2,500</td>
</tr>
</tbody>
</table>

Total Funding for April $397,171

*Denotes Student. One third of the funding for April was from student generated fellowships and grants. This speaks highly of the quality of our students. Congratulations to them and to their advisors.

Faculty Conference Travel Funds Program Awards for Spring 2000

<table>
<thead>
<tr>
<th>Name</th>
<th>Conference</th>
<th>Place</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Castellini, Michael</td>
<td>International Institute of Fisheries Economics &amp; Trade Conference</td>
<td>Corvalis, OR</td>
<td>July 10-14, 2000</td>
</tr>
<tr>
<td>Fong, Quentin</td>
<td>International Institute of Fisheries Economics &amp; Trade Conference</td>
<td>Corvalis, OR</td>
<td>July 10-14, 2000</td>
</tr>
<tr>
<td>Gharrett, Tony</td>
<td>Genetics in Aquaculture VII</td>
<td>Townsville, Australia</td>
<td>July 15-22, 2000</td>
</tr>
<tr>
<td>Naidu, Sathy</td>
<td>PICES Ninth Annual Meeting</td>
<td>Hakodate, Japan</td>
<td>October 20-28, 2000</td>
</tr>
<tr>
<td>Weingartner, Tom</td>
<td>Eastern Pacific Ocean Conference 2000</td>
<td>Victoria, B.C., Canada</td>
<td>September 2000</td>
</tr>
</tbody>
</table>
Fair held in St. Paul, MN. Seven projects from Alaska were pitted against 240 displays from the rest of the country.

Of the seven projects, five took honors in their division and four won special awards. As Knowlton and Terschak said, this is a great achievement for the Alaska Native students who participated and for the support from their teachers and village communities.

**Dr. Kelley participates in panel discussion**

Dr. John Kelley was invited by the State Department to participate in an Arctic Council Panel Discussion on Contaminants and Human Health last month. The objective of the April 26 discussion was to better link the scientific work of the international council to the public in Alaska.

The panel discussion was recorded live by KUAC broadcast on Alaska One statewide. The same information was also distributed simultaneously via streaming video on the Internet to showcase the distance learning capabilities of the University of Alaska system.

Students spent many hours during the winter months in the Patty Pool learning basic SCUBA diving skills, in-water rescue techniques and other training.

**Scuba Class**

graduate students, four were undergraduates and one was a faculty researcher (gold star to Dr. Sue Hills).

Students made a total of 153 dives during six days. These dives included basic skills, rescue skills, advanced drysuit skills, scientific techniques, night dives, beach dives, boat dives and deep dives.

The class was a resounding success. In fact, several graduates of this class (Reid Brewer, Eloise Brown, Heloise Chenelot, Christine Foshee, Dan Gaston, Judy Hamilton, Cathy Hegwer, Sue Hills, Pete Kriz, Julie Matweyou and Steve Whitney) have gone on to pursue various SCUBA diving positions on research projects this summer. Seven have paying jobs and five are working on their own research involving some SCUBA diving.

Special thanks go to Mitch Osborne, co-instructor from Test The Waters and his assistant, Jeanine Jarvis, and to the UAF West Coast and Polar Regions Undersea Research Center and the Alaska Sea Grant College Program for providing funding.

Dr. Konar also just received $19,000 from the Technology Advisory Board to buy new SCUBA equipment for this and other SCUBA related classes.

For more information about this and other SCUBA related classes, please contact Dr. Brenda Konar bkonar@ims.uaf.edu

**Display set-ups available**

The School of Fisheries and Ocean Sciences has several display set-ups available for use at conventions, job fairs, etc., and a “tablecloth” with the SFOS name and logo. (See Dr. Schell photograph.)

If you have a need for one of these displays, please contact Roberta Miller at roberta@sfos.uaf.edu or call her at 907-474-7210.

**EVOS and GLOBEC**

Last month meant more than the end of the semester for SFOS faculty and researchers. It was also the deadline month for two major funding programs – EVOS and GLOBEC. This was also the last year for EVOS as that program evolves into the Gulf Ecosystem Monitoring program (GEM).

Researchers submitted $990,046 in funding request to the Exxon Valdez Oil Spill Trustee Council for research this year.

A total of 15 GLOBEC 2000 proposals were submitted by SFOS researchers to the for a total request of $19,668,503.
Announcements

Alfred P. Sloan Foundation funds Scientific Committee on Oceanic Research (SCOR)

The Alfred P. Sloan Foundation has agreed to fund SCOR to convene a working group to examine New Technologies for Observing Marine Life (NTOML) over the next three years. The NTOML working group will be chaired by Dr. David Farner, Institute for Ocean Sciences, Sidney, British Columbia, and its overall objective will be to produce authoritative recommendations (in the form of interim and final reports) on available technologies that can be developed for use in the Census of Marine Life and other biological oceanographic programs such as GLOBEC. For more information, contact Cynthia Decker at: cdecker@brook.edu

National Science Foundation Deadlines

The following NSF program has a May 25 deadline:


The following programs have a June 1 deadline:


The following NSF program has a June 5 deadline:


EHR/DUE/programs/programs.htm

The following NSF programs have a June 15 deadline:


The following NSF program is open for proposals anytime:


The American Polar Society meeting

The American Polar Society biannual meeting is scheduled October 4-6 in Boulder, Colorado.

Registration is $125 US (includes Awards Banquet). Shuttle bus service is provided from most major hotels. A complete list of hotels served by the shuttle and a registration form is at their website.

Themes for this conference are:

Where Have All the Data Gone?
Many data sets were collected in the early years of Antarctic and Arctic research. Where are these data? How important are they for current research?

From Dog Sled to Satellite: Current data collection techniques are far different from those of expeditions in the 1950s -- comparisons and contrasts in observing systems, logistics support, history.

Human Impacts on the Polar Environment: How has human presence influenced polar regions? Pollution events and their cleanup, tourism, military operations, influences of mid-latitude culture... For more information, visit: www.nsidc.colorado.edu/aps2000 or e-mail Dr. Ernest E. Angino at: rockdoc@cjnetworks.com

Aurora Research Institute (ARI) developing research network

ARI is interested in developing a network of researchers currently working on methods for measuring cumulative effects. The Mackenzie Valley Resource Management Act applies to the Northwest Territories and calls for the establishment of a cumulative impact monitoring program. Currently, communities are working on establishing this program and ARI would like to facilitate the sharing of information between academic researchers and communities. If you are interested, contact Heather Swystun, Manager, Research and Technology, Aurora Research Institute, Box 1450 Inuvik, NT X0E 0T0. Phone: 867-777-4029 Fax: 867-777-4264, or e-mail her at heather_swystun@gov.nt.ca or resntech@inuvik.net. You can also visit their website at: www.nwtresearch.com/

Rotary Foundation Ambassadorial Scholar Program and Rotary Grants for Teachers

The Rotary Foundation offers two opportunities for international study.

Several types of awards are available. Most expect proficiency in the language of the host country; although, one month of intense language training is provided for the Ambassadorial Scholar Programs. For more information, contact:

Dr. J.J. Kelley 474-5585 (ffjkk@auf.edu)
Dr. A.S. Naidu 474-7032 (ffsan@auf.edu)
Carol Lewis 474-7670 (jlew@sci.net)
Jim Movius 452-6347 (ajmovius@gtci.net)

Icelandic symposium

The International Conference for Exploration of the Sea (ICES) is convening a symposium on capelin entitled “CAPE-LIN - What are they Good for?” in Reykjavik, Iceland from 25-29, July, 2001. Evelyn Brown, Research Associate, has been appointed to the steering committee representing researchers in the northeastern Pacific Rim.

Although ICES generally represents research in the Atlantic, capelin have been recognized as a key ecosystem species in all northern oceans. Symposium organizers would therefore like to obtain a worldwide view of this important species.

At this time, Ms. Brown is seeking proposed capelin topics from any North Pacific researcher interested. She would like
to investigate the number of potential participants as well as the range of topics. Contributions in the fields of capelin biology, ecology, species interactions, abundance estimation, capelin management, and laboratory experimentation are being solicited (basically soup to nuts). If you are interested, please contact Ms. Brown at:

Evelyn D. Brown
University of Alaska Fairbanks
P.O. Box 757220
Fairbanks, AK 99775-7220
Voice 907-474-5801 Fax 474-1943
ebrown@ims.uaf.edu

The Pollock Conservation Cooperative Research Center (PCC Research Center) request for proposals

The PCC Research Center at the University of Alaska Fairbanks announces an opportunity for funding of marine research in the North Pacific Ocean and Bering Sea. Deadline is June 28.

For more information, contact Ruth Post at rpost@sfos.uaf.edu or 474-6782 or visit the Pollock Conservation Cooperative website at: www2.sfos.uaf.edu:8080/pcc

In the News

Alaska Fisheries Development Foundation appoints new director

The Alaska Fisheries Development Foundation (AFDF) announced the appointment of Marc S. Jones as it’s new executive director on April 20.

Jones, a former resident of Ketchikan, assumes his new role June 1. His past includes working on trollers and cutting bait for halibut openers. More recently, he served as principle consultant of his own company based in Seattle, advising and solving problems for clients in fishing and marine transportation industries. In between, he was a U.S. Naval officer, adjunct professor for Western Washington University’s School of Business and Economics and worldwide sales manager for Marco Pollution Control.

How whales, dolphins and seals dive so deep?

The answer to that question had eluded Terrie M. Williams and her colleagues at the University of California for nearly 10 years. Now, as a result of fitting video cameras to free-swimming animals, she has the answer.

According to an article in Science News (Vol. 157, April 8, 2000) Williams says whales, dolphins, seals and other mammals are able to dive so deep because they cut energy cost 10 to 50 percent by simply gliding downward. As they dive, their buoyancy decreases because water pressure squeezes their bodies into smaller volumes and flattens the air sacs in their lungs. This allows them to save energy for the swim back up.

Her team documented seal depths up to 400 meters using cameras attached by suction cups. The cameras were retrieved after each deep dive.

NASA requests proposals

NASA called for proposals for scientific investigations and activities in support of Earth Science Enterprise, specifically in support of the validation of geophysical parameters derived from measurements by the Advanced Microwave Scanning Radiometer (AMSR-E) and the AIRS instrument suite (Atmospheric Infrared Sounder, Advanced Microwave Sounding Unit, Humidity Sounder for Brazil) on the Earth Observing System (EOS) Aqua platform. Aqua launch is planned for December 2000. In addition, proposals are solicited for investigations addressing spectroscopic information, or improvements, associated with algorithms, or algorithm development, by EOS Instrument Science Teams for retrieval of geophysical parameters from measurements by EOS sensors on the Aqua and Aura (formerly CHEM) platforms. For more information, visit: www.earth.nasa.gov/ or call (202)358-3552 and leave a voice mail message. Deadline for proposals is July 13, 2000.

Dr. Earle speaks at Governor’s Millennium Lecture Series

Nationally recognized oceanographer, Dr. Sylvia Earle, told a crowd of around 250 at the Salisbury Theatre on the UAF campus April 19 that “hertofore, we’ve tended to think of (fish and other natural resources) as free for the taking.”

Dr. Earle, recognized by the Library of Congress as a living legend, was the featured speaker for a four-part Governor’s Millennium Lecture Series. In addition to being the first woman to serve as chief scientist at NOAA, Earle is currently an explorer in residence at the National Geographic Society and was named Time Magazine’s “Hero of the Planet” in 1998.

On April 18, Dr. Earle joined with Dean Vera Alexander for Alaska Public Radio Network’s Talk of Alaska call in radio show.
### SFOS Tid-Bits

Dr. Al Tyler will be leaving in mid-May for the summer. He will be back in the fall to enjoy yet another wonderful interior Alaskan winter.

Dr. John Kelley was recently awarded the Dennis Demmert Appreciation and Recognition Award on the behalf of the Native American Business Leaders student organization and Rural Student Services.

The award recognizes individuals whose actions have proven their support for Native students, and support UAF’s mission statement of becoming the first choice for Alaska Native and rural Alaska students.

Tania Clucas, SFOS Accounting Technician, was in Maui during May at the Society Research Administrators meeting.

Dean Vera Alexander and Dr. Sylvia Earle, a nationally known oceanographer and explorer-in-residence at the National Geographic Society, were guests April 18 on Alaska Public Radio Network’s Talk of Alaska call in radio show.

A full-color version of our newsletter is now available at: [www.sfos.uaf.edu:8000/](http://www.sfos.uaf.edu:8000/)

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### Alaska Sea Grant Program

Dana Hanselman's (SFOS Fisheries Division) Alaska Sea Grant/National Marine Fisheries Service (NMFS)-funded research on adaptive sampling was the subject of an excellent article by Brad Warren in *Pacific Fishing* magazine. Hanselman is currently researching adaptive sampling as part of his master's degree program and recently won a $95,000 grant from National Sea Grant/NMFS to pursue his Ph.D. on the same subject. For more information, visit: [www.uaf.edu/seagrant/NewsMedia/00news/03-30-00_Hanselman.html](http://www.uaf.edu/seagrant/NewsMedia/00news/03-30-00_Hanselman.html)

And don’t forget *Crabs in Cold Water Regions: Biology, Management, and Economics*, the 19th Lowell Wakefield Fisheries Symposium that will be held in Anchorage, Alaska, January 17-20, 2001. Abstracts for papers are due May 15. For more information contact: Brenda Baxter, fyconf@uaf.edu.

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### Editor’s Corner: Got News?

Newsletter production begins the last week of each month. We are always eager for material and either digital or traditional photographs (35mm slides or up to 8x14 prints). Please include captions.

Al Geist  
Academic Services, SFOS/UAF  
algeist@sfos.uaf.edu (907-474-6735)  
Fax: 907-474-7204

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### SFOS News

is produced by the  
School of Fisheries and Ocean Sciences  
Academic Services  
University of Alaska Fairbanks  
Fairbanks, AK 99775-7220

The University of Alaska Fairbanks is accredited by the Commission on Colleges of the Northwest Association of Schools and Colleges. UAF is an AA/EO employer and educational institution.