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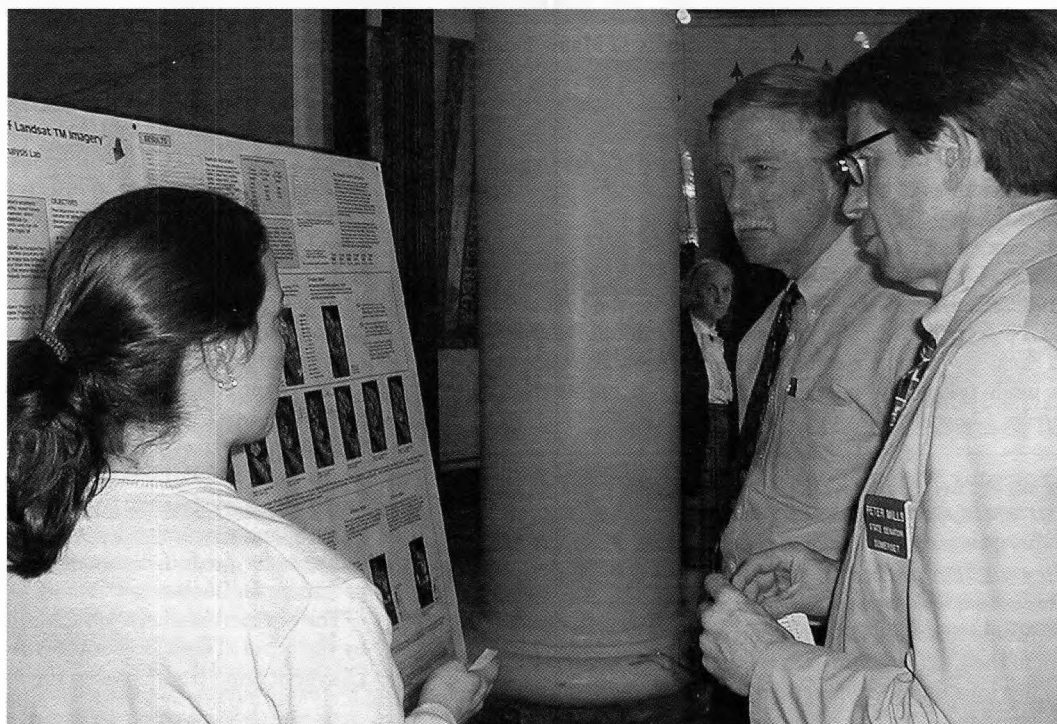
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Forest management graduate student Emily Hoffhine discusses her research with Gov. Angus King (center) and Sen. S. Peter Mills of Somerset County during a poster display at the State House earlier this month. Hoffhine was one of eight graduate students recognized for excellence in research and creativity at the Graduate Research Exposition on campus. Other winning graduate students, who also gave poster presentations in Augusta, are: Julia Daly, Geological Sciences; Melissa Kelley, Biochemistry, Microbiology and Molecular Biology; Matthew Hooge, Biological Sciences; Rachel Grover, Psychology; Zornitsa Keremidchieva, Communication and Journalism; Steven Smallwood, LASST/Physics and Astronomy; and Pei He, Chemistry. Abstract summaries of the graduate research winners are available on MaineSci (www.umaine.edu/mainesci).

Task Force to Study UMaine's Role in K-12 Education

University of Maine President Peter Hoff is appointing a task force that will spend the next year systematically analyzing UMaine's role in relation to K-12 education in the state.

Recommendations of the K-12 Review Task Force due in March 2001 could affect preparation of students who will be teachers, professional development and other services to practicing educators, outreach and partnerships with schools, and advocacy of Maine's K-12 education system.

"The quality and nature of K-12 education is a

national concern, with issues involving educational standards, the quality and supply of teachers, school reform, school finance, and a host of other issues drawing headlines across the country," says Hoff. "Since our colleges and universities are the ones that prepare the teachers and study school policy matters, they are inevitably drawn into discussions and debates over these issues."

Appointment of the task force is a response to questions surfacing at the national and state levels concerning the role of colleges and

continued on page 13

Enrollment Up for the Third Consecutive Year

For the third consecutive year, the number of students choosing to enroll at the University is rising sharply, with the group beginning classes in September currently 30 percent ahead of last year's class at this same time.

In keeping with national and regional trends, the number of applicants to UMaine is on the rise, but University officials are noticing that a greater percentage of those who are accepted at UMaine are choosing to attend college in Orono.

continued on page 19

In Perspective

- 2 International Business Focus
- 8 Peer Notetaking
- 10 Kellogg Fellow Brings Lessons Home

As a service to the University community, costs of producing Maine Perspective are underwritten by University Printing Services.



UMaine Business School Steps Up International Focus

The internationalization of the University of Maine Business School's curriculum has received a \$300,000 boost with the award of a federal matching grant to develop an undergraduate concentration in international business in the Business School.

The growing international focus of the School builds on existing courses in international business, and mirrors the spirit of the affiliated William S. Cohen Center for International Policy and Commerce, which last fall received a \$1 million grant from the Starr Foundation.

In addition, a search is now under way for the first scholar to hold the John M. Murphy Chair of International Business Policy and Strategy in the UMaine Business School. The endowed chair was made possible by a recent \$1.5 million donation from John Murphy, Class of '64.

Programs being planned include a teacher training program in international business, and working with teachers in curriculum and development in international policy and commerce for K-12.

"UMaine has to be more globally focused," says Eric Brucker, dean of the College of Business, Public Policy and Health. "Not only are international exports growing, but more and more non-U.S. companies are buying firms in Maine. Maine is fourth in the nation in the percent of its labor force employed by international companies.

"The globalization of the educational process is a campuswide

Fund Dedicated to Preserving the Natural Heritage on Campus

UMaine cell biologist and marine ecologist Susan Brawley studies the physical and biological factors that affect fertilization success and survival of embryos in nature. Her research is important because marine ecologists know little about either stage in the life histories of marine organisms.

Now in a project that parallels her life's work, Brawley has planted the seeds for a natural heritage campaign that has the potential to affect the natural environment on campus. She did it, she says, because the University community knows little about UMaine's history and natural heritage.

"The reason trees or other natural resources become threatened is because people don't know their importance," says Brawley. "On this campus, we have not communicated our historical and natural resources' heritage adequately to students, faculty and staff. For instance, we have more than 70 different

continued on page 17

Correction

The April 10 issue of *Maine Perspective* incorrectly listed the hours of the mobile food service unit that Dining Services will have on the Mall during the months that Memorial Union restaurants are closed while the facility is renovated and an addition constructed. Food service from the 24-foot mobile unit will be Monday-Friday starting in the fall semester. Weather permitting, the mobile food facility will serve sandwiches, salads, snacks and beverages.

project, with an 11-person advisory board representing three colleges," Brucker says.

The two-year, \$150,000 grant from the U.S. Department of Education is matched by UMaine and the Maine International Trade Center (MITC). It will be used for faculty development, facilitating participation in internationally focused study tours and seminars to gain knowledge in specific areas of expertise, says Diana Lawson, the project's director and associate dean of the College of Business, Public Policy and Health. Faculty will use that experience to develop an international component in current courses or will develop separate courses in specific areas of international business.

The grant addresses a critical component of Gov. Angus King's 1995 Advisory Council on International Trade recommendations for enhancing the state's participation in international markets. The council found the lack of internationally focused education and training systems to be a significant barrier to international growth, and recommended university curriculum to equip students for the international business world, as well as training programs for business.

The partnership between UMaine and MITC was formalized by the grant. The trade center will facilitate links between the University and businesses in the state. Businesses will receive

continued on page 19

Latest Legislative Updates Available

As *Maine Perspective* reached its publication deadline, the Maine Legislature was awaiting action on a state supplemental budget agreement covering the remainder of FY00 (through June 30) and all of FY01 (July 1, 2000-June 30, 2001).

The budget agreement contains more than \$22 million for the University of Maine System, including \$9 million for renovation of UMaine's Aubert Hall and an additional \$4 million per year for employee compensation. Details and regular updates are available at www.umaine.edu/leglink ▲

MAINE PERSPECTIVE PUBLISHING SCHEDULE

May 8 (copy deadline April 26)

MAINE Perspective

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MAINE Calendar

<http://calendar.umaine.edu>

APRIL 26 - MAY 13

26 Wednesday

Commuter Coffee Hour, guest and topic to be announced, 10-11 a.m., April 26, Memorial Room, Union. x1406.

Biological Dynamics of Landscapes, by Malcolm Hunter, recently named Outstanding Wildlife Alumnus, noon, April 26, 102 Nutting Hall. x2862.

Brown Bag Conversations, weekly discussions on topics of interest to UMaine community, noon-1 p.m., April 26, FFA Room, Union. For topic information call x1734.

Live Concert, presented by Student Entertainment Committee, featuring Methodman & Redman, with special guests: Mixmaster Mike from the Beastie Boys, Rahzel, Outsidaz, and Rustic Overtones, 5 p.m., April 26, Outdoor Concert Park. Admission Fee. Tickets available at Strawberries locations, online at www.tickets.com, and by phone, 1-800-477-6849. Information available by calling x1738.

Complete Gospels, a free public supper and informal discussion of "The Complete Gospels," focusing on the newly discovered texts in the Middle East, like the Gospel of Thomas, Mary Magdalene, the Book of James, and other ancient writings, 6 p.m., April 26, Wilson Center, 67 College Ave.

College of Natural Sciences, Forestry, and Agriculture Annual Scholarship Recognition Banquet, sponsored by Xi Sigma Pi, Kappa Omicron Nu and Alpha Zeta, 6:15 p.m., April 26, Wells Conference Center. x3202. Department receptions and scholarship presentations will take place just before the banquet.

Baseball: UMaine vs. Bowdoin College, 7 p.m., April 26, Mahaney Diamond. Admission Fee. xBEAR.

Phi Kappa Phi Induction Ceremony, featuring an address, "How to Spot a Wisdom Lover," by Neil Luebke, national president of Phi Kappa Phi and professor emeritus of philosophy, Oklahoma State University, 7 p.m., April 26, Devino Auditorium, Corbett Business Building. x3217.

27 Thursday

Take Our Daughters to Work Day, UMaine observance of the national celebration, April 27. x1508.

Commuter Coffee Hour, on the topic: New Media, 10-11 a.m., April 27, Memorial Room, Union. x1406.

For the latest in event information for the University of Maine, see the Master Calendar on the Web: calendar.umaine.edu

"Pattern Formation in Reaction-Diffusion and Ferrofluid Systems," by Marty Ytreberg, candidate for Ph.D. in physics, 3:30 p.m., April 27, 102 Bennett Hall.

"Building Strong Communities for a Stronger Maine," the College of Business, Public Policy and Health Student Symposium, 5-7 p.m., April 27, Atrium, Corbett Business Building. x1968.

Reception for the New England and Atlantic Canada: Connections and Comparisons Conference, the Canadian history conference, April 28-29 that will feature scholars exploring the long-standing connections between New England and Atlantic Canada, 6-8 p.m., April 27, Canadian American Center. RSVP to x4225.

Le Stagoni in Concert, the UMaine/Bangor Symphony Orchestra String Quartet, part of the School of Performing Arts Season, 7:30 p.m., April 27, Minsky Recital Hall. Admission fee. x1755.

28 Friday

New England and Atlantic Canada: Connections and Comparisons, a two-day Canadian history conference with scholars from a number of institutions and a variety of disciplines who will present papers exploring the long-standing connections between New England and Atlantic Canada, as well as examining the differences in development in the two regions, 8 a.m., April 28, Soderberg Center, Jenness Hall. x4220.

Therapeutic Horticultural Activities, a one-day workshop led by Elin MacKinnon, UMaine alumna and clinical consultant for experiential learning at Care Development, offered by the School of Social Work, Landscape Horticulture Program and Care Development, 9 a.m.-4 p.m., April 28, Clapp Greenhouse. Admission Fee. x2387.

"Development of an Immunoaffinity-Based Solid-Phase Extraction for Diazinon," by Alison Prince, candidate for master's degree in food science and human nutrition, 9:30 a.m., April 28, 14 Merrill Hall.

"Marine Ecological Classification: A Framework for Marine Protected Areas Planning," by Inka Milewski, coordinator, Marine Protected Areas, Atlantic Endangered Spaces Campaign, World Wildlife Fund, Canada, part of the School of Marine Sciences Seminar Series, 11:15 a.m., April 28, 100 Bryand Global Sciences Center. x4381.

Performance by the UMaine Jazz Ensemble, part of the TGIF Music Series, 12:15-1 p.m., April 28, Damn Yankee, Union. x1406.

"An Exploration of the Role of Relational Databases in Operational and Process Control," by William Romano, candidate for master's degree in computer engineering, 1 p.m., April 28, 152 Barrows Hall.

"Conservation Biology of Migratory Birds," by Russell Greenberg, Smithsonian Institution - Migratory Bird Research Center, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., April 28, 102 Murray Hall. x2970.

Bumstock 2000! annual outdoor music festival, 4 p.m.-midnight, April 28, Outdoor Concert Park. For band line-up, contact Student Government, x1775.

29 Saturday

New England and Atlantic Canada: Connections and Comparisons, a two-day Canadian history conference with scholars from a number of institutions and a variety of disciplines who will present papers exploring the long-standing connections between New England and Atlantic Canada, as well as examining the differences in development in the two regions, 8:30 a.m., April 29, Soderberg Center, Jenness Hall. x4220.

Bumstock 2000! annual outdoor music festival, noon-midnight, April 29, Outdoor Concert Park. For band line-up, contact Student Government at x1775.

Softball: UMaine vs. Delaware, on Kessock Field, noon, April 29, Kessock Field. xBEAR.

Phat Fifteen: Entertainment Series in the Bear's Den, 9 p.m.-midnight, April 29, Bear's Den, Union. x1406.

All events are free and open to the public unless specified. Any speaker not otherwise identified is a member of The University of Maine faculty, staff or student body. Send notices of upcoming campus events to: The University of Maine Master Calendar, Public Affairs. For the most up-to-date calendar listings, see the Master Calendar Website: calendar.umaine.edu or call 581-3745.

30 Sunday

Sea Kayaking Day Tour, a Maine Bound Program, April 30. Admission Fee. Registration required by calling x1794.

Self Rescue for Rock Climbers - Advanced Clinic, a Maine Bound Program, April 30. Admission Fee. Registration required by calling x1794.

Woodsmen's and Log Hauler Day, featuring displays and demonstrations of timber hewing, horse logging and water-powered sawmill, offered at Leonard's Mills, Bradley, April 30. For information, call x2871.

Softball: UMaine vs. Delaware, 11 a.m., April 30, Kessock Field. xBEAR.

Collegiate Chorale in Concert, directed by Beth Clark, part of the School of Performing Arts Season, 2 p.m., April 30, Minsky Recital Hall. Admission Fee. x1755.

1 Monday

"Mechanisms of Mate Choice and Sexual Selection in *Drosophila melanogaster*", by Becky Taly, candidate for Ph.D. in biological sciences, 9 a.m., May 1, 106 Murray Hall.

"A Search for Clues to the Decline of Steller Sea Lions (*Eumetopias jubatus*) Using the Comparative Method," by Katharine Ono, University of New England, part of the Wildlife Ecology Seminar Series, noon, May 1, 204 Nutting Hall. x2862.

Academic Honors Convocation, 3:30 p.m., May 1, Hutchins Concert Hall. x3264.

College of Education and Human Development Presidential Achievement Award Ceremony, 4 p.m., May 1, Wells Conference Center. x2441.

2 Tuesday

"The Futures of Women's Studies," by Jacquelyn Zita, chair of Women's Studies, University of Minnesota, part of the Women in the Curriculum Luncheon Series, 12:15-1:30 p.m., May 2, Bangor Lounge, Union. x1228.

"Seeing the Past: Jesse James and American History in Motion Pictures," by Clint Loftin, candidate for master's degree in history, 12:30 p.m., May 2, 175 Stevens Hall.

"A Comparative Linguistic Study of the French Spoken in Maine and the patois angevin," by Veronique Martin, candidate for master's degree in French, 1 p.m., May 2, 207 Little Hall.

"Efficacy of Forest Health Monitoring Indicators to Evince Impacts on a Chemically Manipulated Watershed," by Janet Eckhoff, Ph.D. candidate, 1 p.m., May 2, 204 Nutting Hall.

"Tungsten Trioxide Thin Film Sensors: Properties and Processes," by Jay LeGore, candidate for Individualized Ph.D., 2 p.m., May 2, 316 Aubert Hall.

Softball: UMaine vs. Husson College, 4:30 p.m., May 2, Kessock Field. xBEAR.

Annual Spring Awards Ceremony of the Black Bear Battalion, offered by the Department of Military Science, 6 p.m., May 2, Bodwell Lounge, Maine Center for the Arts. RSVP by April 28 to x1121.

Baseball: UMaine vs. Colby College, 6 p.m., May 2, Mahaney Diamond. Admission Fee. xBEAR.

Percussion Ensemble in Concert, directed by Stuart Marrs, part of the School of Performing Arts Season, 7:30 p.m., May 2, Minsky Recital Hall. Admission Fee. x1755

Coffee House Music Series, with Michael Gulezian, 8-10 p.m., May 2, Peabody Lounge, Union. x1735.

3 Wednesday

Brown Bag Conversations, weekly discussions on topics of interest to UMaine community, noon-1 p.m., May 3, FFA Room, Union. x1734.

"The Truth About Joanne Akalaitis, Anne Bogart and Ariane Mnouchkine," by Angela Hughes, candidate for master's degree in theatre, 1:30 p.m., May 3, Class of 1944 Hall.

4 Thursday

"The Relationships Between Native Bee Communities and Floral Resources in Massachusetts Cranberry Bogs," by Jennifer Loose, candidate for master's degree in biological sciences, 11 a.m., May 4, 118 Deering Hall.

"Dealing with All Those Impossible People," by Isabelle Boisclair, part of the EAP Lunch and Learn Series, noon-1 p.m., May 4, Bodwell Lounge, Maine Center for the Arts. x4014.

"Feminist Materialisms," by Jacqueline Zita, professor of philosophy and women's studies, University of Minnesota, and author of *Body Talk: Philosophical Reflections on Sex and Gender*, part of the Socialist and Marxist Studies Series, 12:30-1:45 p.m., May 4, Bangor Lounge, Union. x3860.

"The Theme of Exile in the Poetry of Gaston Miron," by Mary Beth Collins, candidate for master's degree in French, 1 p.m., May 4, 207 Little Hall.

Jazz Ensemble in Concert, directed by Karel Lidral, part of the School of Performing Arts Season, 7:30 p.m., May 4, Minsky Recital Hall. Admission Fee. x1755.

5 Friday

Beginner Whitewater Kayaking, a Maine Bound Program, May 5-7. Admission Fee. Registration required by calling x1794.

Solo Whitewater Canoeing, a Maine Bound Program, May 5-7. Admission Fee. Registration required by calling x1794.

"Managing Maine's Shrimp Fishery through Gear and Numbers," by Dan Schick, Maine Department of Marine Resources, part of the School of Marine Sciences Seminar Series, 11:15 a.m., May 5, 100 Bryant Global Sciences Center. x4381.

"Biological Invasions and Forest Resilience: a Case Study of Norway Maple," by Sara Webb, professor of biology, Drew University, New Jersey, part of the Department of Forest Ecosystem Science Seminar Series, noon-1 p.m., May 5, 204 Nutting Hall. x2881.

Career Action Network, brown bag lunch discussion for non-traditional women students, offered by the Career Center, Center for Students and Community Life, and the Women's Resource Center, noon-1 p.m., May 5, Women's Resource Center Conference Room, Fernald Hall. x1406.

Performance by The Consortium, part of the TGIF Music Series, noon-1 p.m., May 5, Damn Yankee, Union. x1406.

"Interactions Between Ambient Light, Animal Color Patterns, Microhabitat Specific Behavior in Evolution of Sexually Select Traits," by John Endler, University of California at Santa Barbara, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., May 5, 102 Murray Hall. x2970.

Ongoing Events

Exhibits/Demonstrations/Tours

Student Art Juried Annual, a Museum of Art exhibit, through May 12, Carnegie Hall. x3255.

Images for Eternity: Mexican Tomb Figures and Retablos, a Hudson Museum exhibit, through May 14, Maine Center for the Arts. x1901.

Meetings of Groups/Organizations

Career Action Network for Nontraditional Women Students, meets first Friday of every month, noon-1:30 p.m., Fernald Hall. x1508.

Circle K meets every Monday, 6:30-7:30 p.m., Bangor Lounge, Union. x7818.

Foreign Language Tables: Monday - French; Tuesday - Russian; Wednesday - German; Thursday - Spanish, noon-1 p.m., 207 Little Hall. x2073.

Gay, Lesbian, Bisexual, Transgendered Discussion Group meets every Monday, 2-3 p.m., Old Town Room, Union. x1406.

International Coffee Hour, every Friday, 4-5 p.m., Peabody Lounge, Union. x2905.

Maine Peace Action Committee (MPAC) meets every Sunday, 7 p.m., beginning Sept. 12, Maples. x3860.

Muslim Prayer, noon-2 p.m., every Friday, Drummond Chapel, Union. x3449.

The Union Board (TUB) meets every Wednesday, 6:30 p.m., Totman Lounge, Union. x1735.

Spring Dance Concert, directed by Ann Ross, part of the School of Performing Arts Season, 7:30 p.m., May 5, Hauck Auditorium, Union. Admission Fee. x1755.

6 Saturday

4-H Day at the University, May 6, Nutting Hall. x3188/x2832.

Women's Rock Climbing, a Maine Bound Program, May 6. Admission Fee. Registration required by calling x1794.

Baseball: UMaine vs. Hofstra, noon, May 6, Mahaney Diamond. Admission Fee. xBEAR.

Softball: UMaine vs. Vermont, 1 p.m., May 6, Kessock Field. xBEAR.

Performance of Benjamin Britten's War Requiem, featuring 200 voices from the University Singers, Oratorio Society, St. John's Episcopal Church Youth Choir, with guest soloists and the Bangor Symphony Orchestra, directed by Christopher Zimmerman, part of the School of Performing Arts Season, with 7:30 p.m., May 6, Hutchins Concert Hall. Admission Fee. x1755. Pre-concert preview by David Klocko, 6:30 p.m., Minsky Recital Hall.

Spring Dance Concert, directed by Ann Ross, part of the School of Performing Arts Season, 7:30 p.m., May 6, Hauck Auditorium. Admission Fee. x1755.

Phat Fifteen, the Entertainment Series in the Bear's Den, 9 p.m.-midnight, May 6, Union. x1406.

7 Sunday

Lead Rock Climbing Clinic - Traditional, a Maine Bound Program, May 7. Admission Fee. Registration required by calling x1794.

Baseball: UMaine vs. Hofstra, noon, May 7, Mahaney Diamond. Admission Fee. xBEAR.

Softball: UMaine vs. Vermont, noon, May 7, Kessock Field. xBEAR.

Performance of Benjamin Britten's War Requiem, featuring 200 voices from the University Singers, Oratorio Society, St. John's Episcopal Church Youth Choir, with guest soloists and the Bangor Symphony Orchestra, directed by Christopher Zimmerman, part of the School of Performing Arts Season, 3 p.m., May 7, Hutchins Concert Hall, Maine Center for the Arts. Admission Fee. x1755. Pre-concert preview by David Klocko, 2 p.m., Minsky Recital Hall.

8 Monday

"An Update on Champion's Riparian Management Initiative," by Gary Donovan, Champion International, part of the Wildlife Ecology Seminar Series, noon, May 8, 204 Nutting Hall. x2862.

Women of the World Lunch, focusing on Middle Eastern cuisine and culture, noon, May 8, Church of Universal Fellowship, 82 Main St., Orono. Admission Fee. x2905.

"Befriending Demons: Educating and Learning Across Cultures," by Terry Tafoya, UMaine Visiting Diversity Libra Professor and executive director of the Seattle-based Tamanawit Unlimited, 7 p.m., May 8, 100 Nutting Hall. x1417.

9 Tuesday

"Hydrophobic Interactions on a Molecular Scale," by Shekhar Garde, Rensselaer Polytechnic, a Chemistry Colloquium, 11 a.m., May 9, 316 Aubert Hall. x1169.

Women's Studies Majors Do Honors Theses, with presentations by Willow Wetherall on "Waiting for Odysseus: Greek Cypriot Women's 25-Year Search for Missing Relatives" and Jenny Lyons on "Women's Stories: The Experience of Abortion," part of the Women in the Curriculum Luncheon Series, 12:30-1:45 p.m., May 9, Bangor Lounge, Union. x1228.

Pre-Maine Day Block Party, featuring live music by Strange Pleasure, food and fun, 6-10 p.m., May 9, Alford Arena parking lot. x1406.

10 Wednesday

Maine Day, featuring annual parade, 7 a.m.; volunteer check-in and projects, 8-11:30 a.m.; campuswide picnic, 11:15 a.m.; activities on the football field and Lambda Chi Ultimate Frizbee Competition, 1 p.m.; Oozeball and Recreational Sports annual triathlon, 2 p.m.; live music, 3-5 p.m., May 10. x1406.

11 Thursday

FFA State Convention, May 11, Corbett Business Building, Union.

12 Friday

Classes End, May 12.

FFA State Convention, May 12, Corbett Business Building, Union.

Seedling Sale, featuring annuals and perennials, offered by the Landscape Horticulture Club, 9 a.m.-4 p.m., May 12, Deering Hall. x2938.

Performance by The Consortium, featuring Karel Lidral, part of the TGIF Music Series, noon-1 p.m., May 12, Damn Yankee, Union. x1406.

Baseball: UMaine vs. University of Hartford, 5 p.m., May 12, Mahaney Diamond. Admission Fee. xBEAR.

13 Saturday

Intermediate Whitewater Kayaking, a Maine Bound Program, May 13-14. Admission Fee. Registration required by calling x1794.

Sea Kayaking Day Tour, a Maine Bound Program, May 13. Admission Fee. Registration required by calling x1794.

Look Who's On Campus



Phi Kappa Phi Honor Society President **NEIL LUEBKE** will be on campus Wednesday, April 26 for UMaine's annual induction ceremony and to deliver a lecture, "How to Spot a Wisdom Lover." The ceremony begins at 7 p.m., Devino Auditorium, Corbett Business Building. Luebke is professor emeritus of philosophy at Oklahoma State University who headed the Philosophy Department there for 16 years. After serving Phi Kappa Phi for nearly 20 years, Luebke took over as national president of America's oldest and largest collegiate honor society in 1998. Phi Kappa Phi is a campuswide honor society that inducts people from every discipline.



TERRY TAFOYA, UMaine Visiting Diversity Libra Professor and family therapist, will lecture Monday, May 8 at 7 p.m., 100 Nutting Hall on "Befriending Demons: Educating and Learning Across Cultures." Tafoya is executive director of Tamanawit Unlimited in Seattle. He is a Taos Pueblo and Warm Springs Indian who uses American Indian ritual and ceremony in his work as a family therapist. In addition to serving as clinical faculty and senior staff at the University of Washington Medical School, Tafoya was a professor of psychology at Evergreen State College, where he directed the Transcultural Counseling Program. He serves as a national consultant for the U.S. Center for Substance Abuse Prevention. He is on the national teaching faculty for the American Psychological Association, and on the international faculty of the Milton H. Erickson Foundation.

MAINE DAY 2000 May 10

Founded in 1935 by President Arthur Hauck, Maine Day has been a long-standing tradition of community service to the campus. It is a day that is set aside each year for students, faculty, staff and administrators to work together to beautify the campus. This year President Peter Hoff has challenged the campus to get involved. He is looking for 3,000 participants, and if this challenge is met, he and his senior administrative team will take on teams in the annual Maine Day Oozeball event! So what are you waiting for? Organize your friends, co-workers, or student group and participate in Maine Day. Here's how to get involved:

- ▼ Be a volunteer! There are a number of service projects needing volunteers. Sign up as an individual or as a group.
- ▼ Adopt-a-Building, such as your academic/office building, residence hall, or Greek house, and clean up inside and out.
- ▼ Create your own project, give us your ideas and we will help you get volunteers.

To submit a project or to volunteer, contact the Maine Day Committee at 581-1491. Or sign up via the Web at: www.umaine.edu/cscl/meday.html

People in Perspective

If the weather cooperates, this May's Commencement 2000 could be the first in six years to be held out of doors.

It also will be the first time the decision to hold the annual May ceremony inside or out will be decided the day before – not the morning of – the event.

That's great news for Dave Fowler and the staff of the UMaine Grounds Shop.

"Years ago, setting up for Commencement was an all-night thing," says Fowler, Facilities Management Grounds Shop supervisor. "We came in at 1 a.m. to set up everything on the football field and then waited for the weather decision at 6 in the morning. If it was raining or going to rain, we then had to set up inside (the Gym).

"I remember a Commencement when it was pouring rain at 6 in the morning, yet we were all set up, waiting for the president (then Howard Neville) to make a decision. Everyone wanted the ceremony to be outside. Just before 8, the sun came out. Steam was rising off the chairs and stage as we rushed to wipe every chair with towels."

The University's 196th Commencement next month will be the 22nd for Fowler. Fowler joined the University community in 1978 as a high school graduate from Milo. He started as a laborer in the Grounds Shop, eventually becoming an equipment operator and crew leader working on what were then UMaine campuses in Orono and Bangor.

Up until 1994, Fowler worked for the man whom Grounds Shop employees kindly referred to as "Mr. Organized" – his father, Orman, who retired after 27 years at UMaine.

"It was tough working for him," says Fowler with a smile. "I probably did more than anybody else on the crews to keep off the pressure (that I could do less as the boss's son). But I liked what I was doing, working outside and seeing the accomplishments. It was in my family."

From his father, Fowler says he learned most how to work with people. "That's why I believe in hands-on handling of concerns or problems people have, including going out and looking at the situation with them. It's part of respecting people and treating them as you want to be treated. From my father, I learned the importance of being organized and fair with people."

After his father's retirement, Fowler served as assistant supervisor for

grounds for four years. Two years ago, he was named supervisor. Today, Fowler also manages the UMaine Maintenance Garage with its Motor Pool, and campus material collection.

In addition to assisting other Facilities Management shops in campus projects, Grounds is responsible for campus cleanup and maintenance. That includes mowing and snow removal, road patching and building sidewalks, curbing and utility installation.

Preparations for spring Commencement begin soon after the last snowfall. Often that means two months or less to strip winter's sand and salt from grassy areas, sidewalks and roadways, clean up and get the grounds in shape "so we look like a Division I university should," he says.

"We have to get the campus ready for graduation before we can have graduation," he says. "It involves not just the arena or field, the chairs and stage, but the whole campus so that, whatever entrance people come in for the ceremony that day, members of the campus community and visitors have the sense of coming to a special place at a special time. It's challenging."

For major events on campus such as Commencement, Grounds crews are responsible for assembling, setting up and dismantling of equipment – tables, chairs, podiums, backdrops, staging.

Fowler remembers working his first Commencement. Back in the late '70s, a crew of 38 began at 2 a.m. on the dark football field, meticulously lining up chairs in the glow of flashlights. "I was number 38 on the list so I was the go-do guy," he says. "But it was neat how everybody worked together."

Commencement ceremonies are always memorable, but sometimes for the wrong reasons. Fowler remembers a morning ceremony in 1998 that was drawing to a close in Alford when the large, paper version of the University seal began to slide from the backdrop. "We had used it year after year because it looked so good, but the Velcro was worn and duck tape wasn't holding. When it started to fold down, I wanted to leave. But the ceremony finished, nobody ever said a word and we took it down before the afternoon ceremony."

Commencement preparations have changed since the construction of Alford



Dave Fowler
Supervisor in Facilities Management

Photo by Monty Rand

Sports Arena in 1976, Fowler says.

"We're now able to get indoors the day before and set up so we're not so pushed the morning of the event. Then we can close the doors at 5 the night before Commencement and most of the set up is pretty well done."

While Alford is relatively free for May Commencement preparations, that's not always the case in December. Fowler recalls a December Commencement when Grounds crews not only had to wait until midnight following two hockey overtimes, but also had to split their efforts between the snow removal needed in the midst of a heavy snowstorm.

"There have been some challenging graduations, but they all seem to come out," Fowler says. "No two are the same. And while the before and after is work to us, there also is that sense that what we're doing is a little more important. The guy lugging the chairs may not admit it, but in his and everyone's mind is the willingness to put a little bit extra into what they're doing."

At the end of the ceremony, participants always linger for those last snapshots, congratulatory hugs and long good-byes. Despite the hours of clean-up still ahead of them, Grounds staff members diplomatically wait in the wings for the last person to leave the field or the arena, in recognition of all the students, their families and friends put in to making this day possible, Fowler says.

Center Stage

School of Performing Arts

A Musical Tour with Collegiate Chorale

A musical tour of the 20th century and the world highlights the spring concert of the Collegiate Chorale.

The concert will begin at 2 p.m., Sunday, April 30 in Minsky Recital Hall. Directing the group is Beth Clark, a graduate student in music education.

The first half of the program will focus on 20th-century works, including Daniel Pinkham's *Wedding Cantata*, *Saul* by Frank Pooler, *Sing Me to Heaven* by Daniel Gawthrop and *Ching-A-Ring Chaw* by Aaron Copland.

The international fare in the second half of the program includes songs from Newfoundland, England, Japan and Africa.

Percussion in a New Millennium

Sounds of modern life in the machine age will fill the hall during the spring concert of the 14-member Percussion Ensemble, directed by Professor of Music Stuart Marrs.

The 7:30 p.m. concert Tuesday, May 2 in the Minsky Recital Hall, begins with Edgard Varèse's *Ionisation (1931-)*, a landmark composition written for 13 players utilizing 40 percussion instruments. Also on the program is Edmund Cionek's *Percussion Symphony (Rituals for a New Millennium)*, a piece written in four movements; Russell Peck's *Lift-Off*, described as a "musical juggling act"; and *La Bajada de Maza* by Ramón Ramírez.

Marimba Spiritual by Minoru Miki will be highlighted by a marimba solo by Bryan Cook.

The Jazz of Student Soloists

The Jazz Ensemble and Jazz Combo will perform a blend of contemporary and classical pieces in a concert Thursday, May 4.

The 7:30 p.m. concert in the Minsky Recital Hall will be directed by Karel Lidral, associate professor of music.

The ensemble will perform a number of pieces that allow for improvisation. *The Chopper* by John Fedchock will feature solos by students Johanne LePage on baritone saxophone, Trevor Marcho on trumpet and Dan Labonte on the trombone. Herbie Hancock's *Dauphin Dance* will feature Chris Strange on alto saxophone, Zach Lampron on trombone and Bryan Cook on drums.

Goodbye Pork Pie Hat, the first of two tunes by Charlie Mingus, will feature Mike Scarpone on the tenor saxophone. Dizzy Gillespie's *Groovin' High* will show off the talents of Cook, the saxophone section and guitarist John Johnston.

Jungle Gym by Matt Harris will have solos by Luke Bouchard on trumpet, Tim Hart on tenor saxophone, Johnson and Cook. Pianist Becky Borja will solo in Neil Hefti's *The Kid from Red Bank*. Dominic Spera's *Krystyn and Kandace at the Mall* will feature solos by Strange, Scarpone and Borja.

The Jazz Combo will perform such Frank Mantooth arrangements as *The Birth of the Blues*, *Bluesette*, and *Body and Soul*.

The Dances of Spring

Student and faculty choreography will be showcased in the Spring Dance Concerts Friday-Saturday, May 5-6.

Performances begin at 7:30 p.m., Hauck Auditorium.

A modern dance piece choreographed and performed by students Angie Gorneau and Rei Tresler will kick off the show. They are followed by two solos: a traditional ballet piece performed by junior Samantha Lott and a modern dance by sophomore Alanna Hounsell.

Members of the UMaine Dance Club will take the stage for a piece choreographed and performed by the members, *Silent All These Years*.

In addition to other student performances, faculty member Sid Dyjek will take the stage with his introductory modern dance class for a piece with an underwater theme. Dance Instructor Ann Ross also will perform with her intermediate modern dance class.

War Requiem Comes to Hutchins

The University of Maine Singers and the Oratorio Society will join the St. John's Episcopal Church Youth Choir and the Bangor Symphony Orchestra for two performances of Benjamin's Britten's *War Requiem*.

Concerts will be Saturday, May 6 at 7:30 p.m. and Sunday, May 7 at 3 p.m., Hutchins Concert Hall.

The large-scale work is a statement of the destructive nature of war and a tribute to the heroism, courage and suffering of all it has touched. *War Requiem* is based on poems written by an English soldier, a pacifist, who was killed in battle. The poems are combined with a traditional Latin requiem mass for the dead.

The choral groups will join the 95-member Bangor Symphony Orchestra and guest soloists Brad Diamond, Philip Cutlip and Bonnie Scarpelli.

STUDENT ART JURIED ANNUAL



Andy Hamm
All Three, 1999
Oil on canvas
1999 Best of Show Award

More than 100 works by UMaine student artists are on display through May 12 at the Museum of Art, Carnegie Hall. Juror for this year's show was Nancy Andrews, professor of Art, College of the Atlantic. Museum hours are 9 a.m.-4:30 p.m., Monday-Saturday.

Seedling Sale - Annuals and Perennials

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Friday-Saturday, May 12-13

FRIDAY 9 a.m. - 4 p.m., DEERING HALL

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Taking Note of Individual Learning Styles



Diane Jackson

Photo by Monty Rand

From 1988-98, there was a 26 percent increase nationwide in students with learning disabilities within the population of first-year students declaring disability.

Such demographics, coupled with landmark legislation in the form of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, are indica-

tors that an increasingly dynamic chapter in the post-secondary years of college and university students with disabilities has begun, according to Diane Jackson, a doctoral student in the College of Education and Human Development, and the president of the Learning Disabilities Association of Maine.

"We are now seeing the beginning of a wave of students with special needs who had very good instruction in public schools, and know they have the right and intelligence to access higher education," Jackson says. "There is more dialogue about helpful strategies and awareness of differences. It is clearer than ever that differences don't mean people can't achieve."

Jackson spent seven years as a special education teacher in public schools before enrolling at UMaine in 1989 to begin her master's work. Her doctoral studies began in 1994.

"I've always been fascinated by individuals' learning differences," Jackson says. "That interest started from the time I was in an undergraduate program looking at learning styles. I am intrigued by the cognitive differences in students with average or above average intelligence. I want to more fully understand those differences and how they play out in society."

In her teaching career, Jackson worked with elementary, middle, and high school students. In elementary school, special education focuses on skill development, which is most critical for establishing the foundations for reading, writing and mathematics. As students with special needs progress through the grades, their education includes compensatory strategies for decoding language and making sense of the world.

By the time she started her graduate work, Jackson said she had "a natural curiosity to see what happened when students with learning disabilities went to college." With the cooperation of UMaine's Onward Program, Jackson began to learn about the needs of adults with learning disabilities through assessment studies.

Jackson planned to return to special education teaching in public schools following her master's degree, but the adults with learning disabilities with whom she worked made such an impression on her, she realized that there are many related areas to be explored in higher education.

"Students with disabilities have to be more active in communicating their needs, including those for accommodations," says Jackson, who has taught in the College of Education and Human Development for the past six years. "Just as important, they also need to articulate their strengths. But often they describe them-

selves in the terms commonly used in formal assessments, and the rest of the world may see them with deficits. All of that affects their adult lives.

"In adults with learning disabilities, the level of their frustration is a good indicator of how they handled academic skills in secondary schools, and how they will fit in to general education college classes. The amount of frustration and anxiety can be a factor in learning. However, adults who make the decision to pursue a college education have a commitment often different from when they were required by law to attend secondary school."

Working with UMaine students with disabilities, Jackson was particularly aware of some frustration caused by the difficulties with notetaking, which is often accommodated by providing peer notetakers. "I was hearing confusion in how to work with peer notes, which led to my research questions," she says. "But surprisingly, my research showed that this perception is a minority view."

Jackson surveyed students with disabilities who use peer notetaking services at six land-grant universities. Jackson's research did not look at peer notetaking quality but its perceived effectiveness and how students were using the peer notes they received.

Results indicated that respondents studied the peer notes by reviewing them and highlighting or underlying key points for increased retention of the material. Jackson also found that the college students she surveyed preferred to have peer notetakers underline or circle important points or terms in the notes, and to avoid using abbreviations. Overall, Jackson found the surveyed students with learning disabilities satisfied with peer notetaking as an accommodation for improving their academic grades and ability to participate in class.

"What we also found is that those students who responded to the survey are survivors in college," Jackson says. "Just as it's difficult to pinpoint how many students with learning disabilities are using peer notes through formal and informal arrangements, it must be realized that use of peer notes may not be as effective for those facing so many challenges they are forced to drop out."

Jackson found students with learning disabilities used peer notes to assist in processing information and to capture vocabulary, particularly spelling of technical words.

"For any student struggling to capture lecture points, skeletal outlines provide a guide to professors' lectures," Jackson says. "Printed material received ahead of a lesson allows students to listen better for key vocabulary and prioritizes information being transmitted.

"On any college campus, the issue has to be awareness of individual differences. It is important to be receptive to how each of us learns and to look at teaching styles. A variety of presentation styles is critical. Lectures demand listening and some visual skills. For some students, it is hard to integrate the two and come up with a product for studying."

Jackson says the number of students and University-employed individuals with hidden disabilities who came forward during her research to discuss their needs was a surprise. "It shouldn't have been, but it was," she says. "As a society, we must be very aware that, even if people's needs aren't visible, they are real. We must become more cognizant of issues that arise because they impact not only students' needs but the needs of many people in our daily lives." ▲

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Maine's Distant Geologic Past

A detailed study of a Maine granite is contributing new evidence to explain how dynamic magma chambers characterized Maine's distant geologic past. Daniel Lux, UMaine professor of geological sciences, is collaborating with David Gibson of the Department of Natural Sciences at the University of Maine at Farmington on an analysis of the gray building stone known as Mount Waldo granite.

Lux presented a paper on their research at the Northeast regional meeting of the Geological Society of America in March.

Mount Waldo granite is exposed at the surface over an area of about 150 square kilometers (58 square miles) just west of Bucksport, and extends into the earth to an estimated depth of about four miles. In the past, the stone was widely used for building material; abandoned quarries provide Lux and Gibson with a small window through which to understand the processes that created the granite more than 370 million years ago.

At that time, the locations of the tectonic plates that make up the Earth's crust were arranged very differently from today's pattern. The North American plate, on which Maine sits, was colliding with the smaller Avalon plate to the east. Remnants of the Avalon plate are found in coastal portions of modern-day Newfoundland, Nova Scotia and sections of the U.S. East Coast. The collision forced the leading edge of the North American plate beneath the Avalon plate, where elevated temperature and pressure caused melting. The resulting igneous activity was similar to what is happening today in the Pacific Northwest.

"We know that the granite exposed on Mount Waldo formed at a depth of about 10 kilometers (six miles) below the surface," says Lux. "Since then, overlying rock has eroded to expose the granite. My interest is what occurred within the magma chamber while the Mount Waldo granite was forming.

"The chamber once filled with liquid magma is now solid granite. Through our field and laboratory research, we are attempting to unravel the sequence of the growth and physical sorting of crystals within the magma chamber to understand what chemical exchanges might have occurred between crystals and liquid."

One group of geologists who study igneous processes have generally thought that magma, once concentrated in a chamber, simply cools and solidifies. However, recent evidence from other volcanically active areas, such as Yellowstone Park, suggests that some magma chambers are anything but stagnant. Lux and Gibson are adding to the latter view.

They report that crystals of the common rock-forming mineral, plagioclase feldspar, observed in the Mount Waldo granite, have distinctive growth histories. Initially some of the plagioclase crystals grew and then were partially dissolved, whereas others just grew. In the later stages of the crystallization process, the crystals were transported within the chamber and deposited together on the chamber floor.

In addition, Lux and Gibson have found distinct mineralogical layers, a feature not commonly observed in granites, which have significant differences in chemical composition. Taken together, these layers suggest that after the Mount Waldo magma was in place and cooling, new magmas with variable compositions were injected into the chamber.

"Mineral crystals within a magma behave in some sense like snow flakes in a storm cloud," says Lux. "Snow flakes are blown about as they grow. Each snowflake is different and their shape reflects growth in variable microenvironments before they accu-

multate on the ground. Similarly, crystals in granite start to form in a cooling magma chamber. New injections of hot magma may partially melt some of the growing crystals and transport them to different locations. The variable shapes and textures of the crystal reflect this dynamic environment."

The question is whether or not repeated injection of hot magmas is a fundamental process common to all magma chambers or restricted to Yellowstone magmas and other examples.

Lux and Gibson have worked together since the mid-'80s, when Gibson was a post-doctoral researcher at UMaine.

Seeking the Source of Sand Beach

A quiet backwater lagoon was once located where Sand Beach and the crash of ocean waves now attract tourists at Acadia National Park, according to evidence from beach cores collected by a UMaine graduate student. In the last few thousand years, the beach has been migrating landward as sea levels have slowly risen, according to work by Alison Brandes, a master's degree candidate in the Department of Geological Sciences.

Brandes worked with park staff, and Joseph Kelley and Daniel Belknap, professors in the department, to collect sand cores as deep as 10 feet below the surface of the beach. In addition to studying geologic history, Brandes found that the concentration of shell fragments across the surface of the beach varies dramatically from about 70 percent within the tidal zone to about 30 percent by the dunes behind the beach.

Brandes presented a paper on her findings March 13 at the Northeast regional meeting of the Geological Society of America.

Research in 1992 by Walter Barnhardt, then a UMaine graduate student, revealed high concentration of shell, or carbonate material, at Sand Beach. His and other studies raised questions about the abundance of these shell beaches in cool-water settings.

"My goal was to continue that work, to understand the history of Sand Beach, why it is located there and how stable it is. Normally, carbonate tends to dissolve in conditions of cold temperatures, high acidity like acid rain, and low salinity," says Brandes.

In March 1999, Brandes extracted four cores from the high dunes behind the beach. She also measured the beach profile at low tide once every two weeks, collected samples of surface sand and used ground-penetrating radar to look for the boundaries between underground layers of sand, gravel and clay.

"I found a sequence of glacial material at the bottom followed by intertidal material from flats and dune material on top. The glacial material is about 2 meters below the surface at the back of the dune. It had been assumed to be there, but this is the first time that anyone has taken cores to document the underlying stratigraphy."

Brandes also found a sharp drop in the concentration of carbonate in sand between the low and high tide lines. "I think that shells are picked up by the wind. They're more aerodynamic than the land-derived material, more like little airplane wings, and they get blown toward the dunes," she says.

Since wind tends not to pick up wet material, high carbonate concentrations remain in the wet sand within the tidal zone, while shell material is removed from the dry part of the beach. Thus the carbonate concentration in that area is lower.

So-called carbonate beaches are relatively rare in temperate climates. At least two others have been identified in Maine on Little Cranberry Island and at Georgetown.

In addition to her master's, Brandes is pursuing a teaching certificate and hopes to teach high school earth science.

Kellogg Fellow Brings Global Lessons Home to Her Community and UMaine

For six days in mid-April, a conference room in the elderly housing complex at Pleasant Point became an impromptu theatre. Members of the community gathered each day to perform a play void of script, costumes or curtain calls. Yet in their heart of hearts, each of the actors was familiar with the plot.

Participants ages 8-55 were asked to recall moments of oppression – both internal and external – in their lives, then express those moments through non-verbal, physical communication. The goal of Theatre for Living is to begin to identify issues that restrict the development of individuals and the community, and to move toward real change.

For the Passamaquoddy community, the theatre workshop was a means of confronting conscious and unconscious barriers that are eroding the tribe's culture and silencing its language.

"In our community where some still speak Passamaquoddy, but many do not, I wanted to find a way that we could get on more of an even plane when trying to communicate," says Gail Sockabasin, who brought the Canada-based Theatre for Living to the Passamaquoddy reservation with the help of funding from the W.K. Kellogg Foundation. "I want to go to the deeper level of what gets in our way when we're trying to learn, speak or teach Passamaquoddy. We need to get at these issues and work through them in order to keep the language alive."

"Older native speakers feel passionately about the language. We can't look just to the younger generations, who have English as their first language and are not Native speakers, to keep the language alive," Sockabasin says. "In 30 years, our language will be gone, if we don't act. That's why we have to intervene now. And it is important that we are taking the responsibility and that the impetus is coming from us, unlike language intervention efforts that have come from outside the community."

Sockabasin is in the third year of a fellowship, sponsored by the Kellogg Foundation Leadership Program. In 1997, she was chosen from more than 700 applicants to be one of that year's 38 Kellogg Fellows.

She knew from the beginning that she would focus on efforts to ensure that the Passamaquoddy language remains a vital part of tribal culture. In the past three years, Sockabasin has traveled the world as a Kellogg Fellow to visit other indigenous peoples and to find out how others gather together to strengthen their communities.

These days, many people who are trying to find ways to reconnect to their spirituality often end up relying on artifacts and ceremony without getting in touch with others on a deeper level. What we're talking about here is building relationships, confronting and working through painful experiences of the community in order to become more self-determined once again. It is a process that has implications for anyone who deals with conflict and racism.

"People can muster incredible strength and commitment when they believe it's time to make changes in their lives. Leadership can be found in places you might never expect to find it. From the beginning with the Kellogg Foundation, I wanted to concentrate on Passamaquoddy language and why what we've been doing is not working," says Sockabasin, a UMaine alumna and director of the University's Wabanaki Center. "For me, this is not about curriculum development, or the tools and techniques of language

continued on page 12

Noted Forensic Expert Combines Nursing, Anthropology

Marcella Sorg's career is about life and death.

As the director of the Interdisciplinary Training for Health Care for Rural Areas (ITHCRA) project with the Margaret Chase Smith Center for Public Policy, Sorg and co-principal investigator Joann Kovacich develop ways to provide better healthcare for Maine's rural population.

Sorg also is consulting forensic anthropologist for the Maine Office of Chief Medical Examiner. Sorg conducts postmortem exams of all skeletonized and poorly preserved human remains in the state. She also consults for deaths in New Hampshire.

The latter work, she says, is much less sensational than its portrayal in popular media. It's no case for Patricia Cornwell's Kay Scarpetta.

"Those books or movies that imply

that either the medical examiner or forensic anthropologist goes out chasing criminals are just nonsense. We don't do that," says Sorg, a faculty associate in the School of Nursing and the Department of Anthropology. "It is intellectually stimulating work. Each case is interesting and unique, because each time, it's the reproduction of a unique event – the death of a person."

Sorg graduated from the Fairview General Hospital School of Nursing and spent seven years as a practicing RN. During that time, she worked toward advanced degrees.

Sorg earned an M.A. in anthropology in 1975 and a Ph.D. in physical anthropology in 1979. She became certified in forensic anthropology in 1984.

"When I came to Maine, although I had been trained to do skeletal analysis, I never imagined that I would do

forensic anthropology," says Sorg.

The year after Sorg moved to Maine, Henry Ryan, the state's Chief Medical Examiner at that time, called and offered her a consulting position. She declined at first, but relented after Ryan insisted.

"It is morbid work, the very definition of that word. It can be quite nasty, but it's interesting scientifically," Sorg says. "What we learn about human remains is applicable not only to the recently dead but also to the fossils, so my work has an application in the study of human evolution."

Sorg says the work allows her to look for patterns in the condition of the body, which can lead to theories about the processes involved in death and decomposition.

"We can tell from the condition of the

continued on page 11

Forensic Expert *continued from page 10*

remains how long the person has been dead. There are patterns we see that allow us to tell whether bone injury is the result of carnivores in the woods or the events that caused the death.”

It is not only the scientific interest in this work that motivates Sorg. She says part of her work is to tell the dead person's story.

“From a humanistic perspective, the forensic investigator is frequently the last bastion of victim advocacy. Whatever happened to this person will not be known unless we do our job right. In investigation, you try to determine not only what caused the death, but who the person was,” says Sorg, whose two newest books are *Advances in Forensic Taphonomy* (with William Haglund) and *Cadaver Dog Handbook: Forensic Training and Tactics for the Recovery of Human Remains* (with Andrew Rebmann and Edward David).

In her work, Sorg sees a wide variety of cases, including instances when remains turn out to be animal bones.

Next semester, she will offer a graduate course in forensic death and injury investigation for nurses and other health practitioners, in cooperation with Maine's Chief Medical Examiner, Dr. Margaret Greenwald.

“Nurses are all the time dealing with death and injury, and are frequently the first responders to a situation. In New Hampshire, all of the routine death investigations are done by nurses,” says Sorg. “In Maine, forensic nurses are being trained to investigate sexual assault cases when the victim is still alive.”

Sorg says nurses are often put in the role of examining and documenting injury or death when people enter the emergency room or are admitted to the hospital.

“The interface between the law and medicine frequently involves nurses,” says Sorg.

At the Margaret Chase Smith Center (MCSC), the Interdisciplinary Rural Training Center is in its 10th year. Federal funding from the Bureau of Health Professions is dedicated to improving the training of healthcare professionals in rural settings, emphasizing interdisciplinary teams, community-based training and healthcare informatics.

Informatics includes computer-based information and communication technologies. For example, rural practitioners can share patient care data with specialists and other medical personnel at larger facilities.

“When an X-ray is done in a small town, it can be sent to a radiologist miles away,” says Sorg. “We are trying to improve the abilities and comfort level of professionals in using computers and related technology.”

As part of the project, MCSC helps the academic community develop partnerships with communities and healthcare providers in the state in two major areas – mental health of infants and their families, and aging.

In the first project, Partners for Underutilized Systems of Health, MCSC has been in the center of a collaboration between UMaine and Husson College, Penquis CAP, EMMC Family Practice Residency Clinic, Bangor Public Health Nursing, and other partners.

“What we do is provide clinical experiences for the students, and involve them and clients in developing on-line curricula for teaching infant mental health topics,” says Sorg. A similar project coordinated by the University of New England, Healthy Aging Project Year 2000, works with the aging populations in Bucksport and other communities.

“With the infant mental health project, students will go out in the community, making home visits to high-risk families in their supervised clinical rotations,” says Sorg. “With Husson and UMaine, it's an unusual setup because both institutions are

working together with the community to improve healthcare in the local area.”

The students involved in ITHCRA's projects have contributed to CyberEd, a part of their Website that serves as a healthcare resource for people in the community (www.ume.maine.edu/~ITHCRA/CyberEd). It provides information regarding healthcare providers and facilities, public transportation, spiritual organizations and related topics.

The issue is of particular interest to Sorg, who was in private practice as a healthcare informatics consultant from 1980-1995.

A CD-ROM on aging also has been produced as a result of the project. The *Aging in Rurality* CD features interviews with rural elderly about their issues with healthcare and everyday life. The CD allows healthcare professionals and students to learn from the sources about the choices an individual must make regarding informal and formal support systems.

“The focus of the CD is on issues in successful aging in the home setting,” says Sorg. “The interviews with the elderly on the CD explore what they think their needs are for healthcare.”

Another project MCSC coordinates is the Maine Consortium of Partnerships, a statewide group of stakeholders in health professions education that works to educate the state about issues related to the health workforce – aging, mental health, dental health and lung health.

In the future, Sorg says she hopes information systems can be developed to track the distribution and demographics of Maine's healthcare providers.

“Healthcare is a major economic force in Maine, so statewide decisions about healthcare worker distribution and retention are critical to our economy,” says Sorg.

“We're promoting the idea that it needs to be done and it needs to be funded.” ▲



UMaine Public Safety Lt. Alan Stormann was recently honored with the Chief Robert Bell Award, the most prestigious honor that can be given to a law enforcement officer by Maine Special Olympics. Stormann, who was elected to the Maine Special Olympics Torch Run Hall of Fame in 1999, has been active in virtually every aspect of the annual event since first becoming involved in 1986. He is one of hundreds of law enforcement officers from around the state who have raised more than \$1 million to support Maine Special Olympics since Bell, the police chief in Bridgton, started the Torch Run fund raiser in 1985. Stormann is only the fourth person to receive the Bell Award. The 2000 Maine Special Olympics will be held on the UMaine campus June 9-11.

Kellogg Fellow *continued from page 10*

preservation, although those activities are important. There's more basic issues that we have to address. It is about how to regain the practice of having Passamaquoddy spoken daily in the community. If it is not spoken daily, it is not going to last."

"The work that we're doing, reaching back to reclaim Native language and culture, is important to youth leadership and development," Sockabasin says. "The work starts in the community, increasing awareness of the issues. The goal will be to move people to action. Native students will see that happening, and we will integrate that work into what we're doing with prospective students and those at the University."

"Part of the challenge of the University is to become a more welcoming place for Native students, as well as others. If we at UMaine can honor and support the cultures from which these students come, ultimately we can get to the place where these students will see themselves reflected in the University."

Sockabasin's exploration of language took her first to Hawaii, a state known for its success in restoring Native Hawaiian. Sockabasin was accompanying another Kellogg colleague who was focusing on healing.

"When we visited with people who had become Native speakers, it was a powerful experience," Sockabasin says. "We visited language immersion schools, where preschoolers through high school students we met are confident, positive, community-oriented and strong in their sense of who they are. Elders in the community are their teachers. They told us, and it was clear to us as visitors, that they are building a community through their language. Embedded in their language are strong family and community values. It was amazing to see."

Last May, Sockabasin also traveled to China. There, the focus of the Kellogg Fellows was on the country's health and education organizations. A highlight of the trip was a visit to a university that serves the indigenous peoples of China. Classes there are taught in several different languages. In addition, Sockabasin studied the expression and sharing of culture through music and performance.

"The Chinese seem to be very conscious of community and family, and creating beauty in everyday life. Those values are similar to many Native peoples and I wanted to learn more about that," Sockabasin says. "It is part of the country's cultural foundation and what the people believe in."

Back in the States, a workshop last August, led by Ysaye Barnwell of Sweet Honey In The Rock, focused on recreating community through song. The music of Sweet Honey, the Grammy Award-winning African American female a cappella ensemble, speaks against oppression and exploitation, and champions justice and activism. From the workshop, Sockabasin came away with the striking connection between the African-American and Native American oral traditions, and a new awareness of the importance of music in sustaining community connections.

Inspired and reaffirmed in her conviction that language is the key to maintaining cultural heritage and community, Sockabasin, with her husband, Allen, and her 8-year-old daughter, Kendra, joined three other families to start a small, family-based Passamaquoddy language group, which has been meeting for the past year. For this group, music and song are integral parts of language learning. Allen, who composes Passamaquoddy songs, routinely shares his music in his teaching.

This month, members of the language group and others were invited to explore concerns about language loss in the Passamaquoddy community by means of interactive theatre.

As a Kellogg Fellow, Sockabasin attended a workshop put on by members of the Seattle Public Theater Company who practice a genre of theater called Theatre of the Oppressed, intended to

challenge oppressive systems by promoting critical thinking and social justice. Such theatre is not only based on learning by doing, but also on the philosophy that dynamic, visual images can be very powerful.

"It is intended to be experiential, visual and participatory," says Sockabasin, who attended a 1998 workshop focusing on racism. "It also is intimidating at first, but participation is voluntary."

"It works with the Kellogg Fellows who are a group of risk-takers. A big part of the process is in developing a level of trust in the group. For example, we might be asked to strike a pose to portray how it felt at a moment when someone put us down or made fun of our heritage. The process makes it clear that how we each feel and react individually are important."

"Some of those images were so powerful. I will never forget the courage of people putting themselves out there and confronting that inner voice that gets in the way when we want to do something. The beauty of the workshop experience for me was in seeing issues come out that people didn't know they were even thinking about."

In the Passamaquoddy community, the survival of the Native language is in jeopardy. Today, it is best described as a continuum, beginning with elders who speak Passamaquoddy as their first language. Use and knowledge of the indigenous language begins to break down among community members in their 40s. For those younger than 40, English is their first language, with minimal knowledge of Passamaquoddy. For most school-age children, English is their first and only language.

"I have been in plenty of situations where I can see the difficulty Passamaquoddy speakers encounter when trying to say in English something that does not translate well into Passamaquoddy. Speakers for whom English is a first language can easily dominate a conversation in English," Sockabasin says. "I want to bridge that gap and find a way for us to listen more carefully to each other."

The success of such an indigenous language revival strategy is important to the Kellogg Foundation, which is dedicated to helping people help themselves "through the practical application of knowledge and resources to improve their quality of life and that of future generations."

"The Kellogg Foundation is always looking for the global implications of fellows' work," says Sockabasin. "These days, many people who are trying to find ways to reconnect to their spirituality often end up relying on artifacts and ceremony without getting in touch with others on a deeper level. What we're talking about here is building relationships, confronting and working through painful experiences of the community in order to become more self-determined once again. It is a process that has implications for anyone who deals with conflict and racism. It has to do with how we work through these issues as human beings by building mutual respect."

Sockabasin's vision for the future includes a broad base of action in the community. "Parents would be sending youngsters to an immersion school. The Tribal Council would hold meetings in Passamaquoddy. The Tribe, schools, community organizations and employers would reward the people for learning Passamaquoddy. We would hear Passamaquoddy spoken everywhere in the community, and it would be taught at the University," she says.

"This intervention has to happen in a lot of different ways. We can't send our young people to school and make that institution solely responsible. The family and community responsibility for language learning can not be abdicated. The only way it will happen is if the community believes that our Native language is an important priority, and we all persist in doing our part." ▲

Task Force *continued from page 1*

universities in support of K-12 education, says Hoff. The American Council of Education Report, *To Touch the Future*, recently called on university presidents to conduct reviews of their campus programs to prepare teachers.

ACE's call to action coincided with a strong interest expressed by UMaine's Board of Visitors, which had been discussing the University's relationship with schools during its past several quarterly meetings, and the continuing call for greater institutional commitment to teacher preparation by College of Education and Human Development Dean Robert Cobb.

"UMaine prepares more of the state's teachers than any other institution," Hoff says. "As the flagship university, we need to be sure we are in the lead when it comes to cutting-edge approaches to teacher and administrator preparation, continued education for in-service teachers, and research into school policies and practices. Because our programs in the sciences are particularly strong, it seems logical that we should take the lead in meeting the current critical shortage of science and math teachers."

Task force membership is expected to include three faculty from the College of Education and Human Development, two faculty from the College of Liberal Arts and Sciences, and a faculty representative from each of the other colleges. Joining the eight UMaine faculty will be UMaine Provost Robert Kennedy and Bowdoin College President Robert Edwards, a member of the University's Board of Visitors and chair of the state Math-Science Alliance. Also participating will be administrators and educators from K-12 schools throughout the state and the Maine Department of Education.

Chairing the task force is Steve Norton, professor of geological sciences and 1991 Distinguished Maine Professor, who, under former UMaine President Howard Neville, headed a committee evaluating the undergraduate program campuswide.

"This effort is huge and overdue," says Norton. "No one has stepped back and looked at the institutional commitment to producing good teachers. The task force will look across the University of Maine to see what we do well and where we can improve in K-12 education efforts. We want to give teachers the tools and support they deserve."

The College of Education and Human Development endorses the ACE study and welcomes the campuswide review, says Cobb. "This study validates other extensive findings that acknowledge teacher quality as the single most important element in a child's learning and achievement," he says. "Truly, the education of teachers is a pivotal responsibility of the entire institution."

The charge of the task force follows the ACE recommendation for a review of the quality of programs and outreach efforts, and consideration of changes or improvements that should be made. One of the roles of the task force is to re-examine how to bring the strengths of the entire University to bear on UMaine's engagement with K-12 education.

Working to keep Maine's schools strong is a university-wide responsibility, says Rebecca Eilers, dean of the College of Liberal Arts and Sciences. "The Liberal Arts faculty have significant responsibility for educating teachers and we welcome the opportunity to engage in discussions that will lead to broader understandings of the teacher development process."

An example of such interdisciplinary discussion occurred April 21 in a colloquium, "New Directions in Mathematics and Science Education," with faculty from Chemistry, Computer Science, Mathematics, Physics, and Education. Special guest panelist was Seymour Papert, Distinguished Visiting Professor in the Department of Computer Science and a pioneer in the use of computers in education.

The University needs to develop methods of outreach to assist teachers, as well as develop innovative partnerships or synergies, Norton says. Among those already begun:

- ▼ UMaine is in the third year of a highly collaborative partnership with six area school systems, which is providing a professional development school model to support the initial preparation and on-going development of teachers and school-based involvement of university faculty. The commitment to K-12 education evidenced by the establishment and work of the Penobscot River Educational Partnership is a positive factor in successful grant proposals to improve teaching and learning.
- ▼ UMaine was one of 20 institutions nationwide to receive a three-year, \$1.3 million grant from the National Science Foundation to improve science education. A committee of public school teachers and UMaine science faculty selected 10 UMaine graduate students and two undergraduates to be the first National Science Foundation Graduate Teaching Fellows. In the coming academic year, each Fellow will spend 10 hours a week in public school classrooms in six communities. The proposal was submitted by Professor of Plant Biology Susan Brawley and Professor of Chemistry Barbara Cole.
- ▼ Plans are being finalized for a Collaboratives in Excellence in Teacher Preparation project, funded by a \$4 million National Science Foundation grant. The project involves the Maine Math and Science Alliance, the College of Education and Human Development, University of Southern Maine and University of Maine at Farmington in a cooperative effort to support and improve the recruitment and teacher preparation of students with strong interests in math, science and technology. Chief architect of the NSF proposal is Mary Ann McGarry of the College of Education and Human Development, and the Water Research Institute. Two other principal investigators at UMaine are Herman Weller, Education, and Robert Franzosa, Mathematics.
- ▼ With two, \$51,000 NSF Fellowships each, Molly Schaufler and Douglas Reusch, both of Geological Sciences, are conducting two projects: "Post-doctoral Fellowship in Science, Mathematics, Engineering, and Technology Education." Schaufler focuses on "Community-Based Environmental Research as a Tool for Reforming Science Education in Small Communities in Maine." Reusch is focusing on "Field-Based Studies to Understand the Earth System."
- ▼ Inter-Chem-Net, a new approach to modern experimental chemistry that was developed at UMaine, makes it economically possible for students to get hands-on experience with modern instruments used today by practicing chemists. According to one of the creators of project, Associate Professor of Chemistry Mitchell Bruce, this same technology can be used in high schools to introduce sophisticated chemical instrumentation. For the 1999-2000 school year, Bangor High School was selected as a pilot site for the project. Plans are now under way to offer Inter-Chem-Net to many other Maine high schools.

Research and technology are constantly informing and transforming the dynamics of instruction. Cobb emphasizes. "Greater collaboration between higher education, public schools and the private sector is essential in bringing about greater equity of opportunity and future economic development," he says.

"But society and the university must also recognize the economic reality of inadequate salaries and almost non-existent scholarship incentives for aspiring teachers that is contributing to the growing teacher shortage. The impact on public school staffing is particularly acute in a lucrative global market competing for top candidates in the same high-demand areas of mathematics, science and technology."

UMaine must produce teachers who go out and make systemic changes because of their excitement and training, Norton says. And Hoff is committing the campus to substantive change.

"It will ripple across campus, through curricula to requirements, and even to the activist role the University will play in advocating for teachers," Norton says. "In five years, hopefully we can look at teachers in any discipline who came through UMaine and see that their education was more sensitive to what it takes to be a good teacher." ▲

V O L U M E S

Recent Works by University of Maine Authors

A Night-Sea Journey

**By Michael Alpert
(Puckerbrush Press 2000)**

"Listen: you can hear everything," notes a passage in *A Night-Sea Journey*.

In his newest book, Michael Alpert shares what he describes as "thoughts, dreams and words given to me as part of living." This is a lyrical journey for the love of language led by Alpert, who has been publishing books incorporating original artwork, handpress printing and bookbinding since 1979, and who has been director of the University of Maine Press since 1995.

A Night-Sea Journey focuses on the sound of language, bearing semblances to poetry. Yet the language of this 187-page volume also strives for the clarity of prose.

The words and the images they paint are suspended in the center of pages. One line, one thought, one image floats before a reader's eyes. Perceptions that the words provoke are remembered.

Award-winning poet and publisher Constance Hunting describes *A Night-Sea Journey* as "the essence of emotion." In this night-sea journey which is life, Alpert offers the colors and sounds of thought. Experiences on this journey are a combination of surprise and familiarity.

It is, says Hunting, the feeling of being at sea at night, on deck and looking into the darkness with its traces of mixed light, phosphorescence, in which one can just make out shapes in the distance.

Bilingual Hiking Glossary/Glossaire bilingue de la randonnée

**By Suzanne Bailey, Emma Jean Bailey, Jocelyne De Champlain and Francis Wihbey
(Published by the International Appalachian Trail 2000)**

International Appalachian Trail has published a pocket-size *Bilingual Hiking Glossary* for English and French-speaking outdoor enthusiasts. It is designed for English speakers hiking in New Brunswick and Québec, and for French speakers on trips to Maine, the White Mountains, or anywhere on the Appalachian Trail.

This guide contains North American terms and phrases useful for conversation by hikers in town and on the trail. The glossary contains 900 words in both languages related to clothing, food, and equipment for hiking, backpacking and outdoor life; personal necessities; trail features; natural features; flora and fauna; and services.

Although there are related publications, such as bilingual English-French glossaries for recreational terms, forestry/forest product terms, and ecological terms, there is no existing glossary giving similar comprehensive coverage. The glossary is based on exhaustive research of printed sources, including dictionaries, catalogs, nature guides, periodicals, trail organization newsletters of the region and the Web, as well as interviews with native speakers including park officials, trail maintaining organizations and retailers.

Also included are six pages of phrases useful for hiking needs and emergencies, a metric conversion table, a short explanation of time zones, common trail signs and a bilingual listing of the days of the week and the months of the year.

Authors of the *Bilingual Hiking Glossary* are Suzanne Bailey and Emma Jean Bailey of Kedgwick, New Brunswick; Jocelyne De Champlain of Matane, Québec; and Francis Wihbey of Orono, head of Fogler Library's Government Documents and Microforms Department.

Body Scripture: A Therapist's Journal of Recovery from Multiple Personality

**By Barbara Hope
(Wyndham Hall Press 2000)**

Body Scripture is considered a resource to therapists working with survivors of trauma and partnering with them in their recovery. Author Barbara Hope, a clinical social worker and UMaine instructor of social work, highlights the complexities of unraveling trauma experiences in treatment, and the care that must be taken to shore up the coping skills of those who survive.

Hope was in her late 40s when she was diagnosed with Multiple Personality Disorder. Once diagnosed, she had a framework that helped her understand lifelong experiences of discontinuity, depression, anxiety and memory loss.

This first-person account is described as testament to the human spirit and to the possibilities of lasting healing through psychotherapy.

PULITZER PRIZE-WINNING BOOK DEDICATED TO LATE UMAINE PROFESSOR

The Pulitzer Prize-winning book by John Dower, *Embracing Defeat: Japan in the Wake of World War II*, is dedicated to Howard Schonberger, UMaine professor of history who died in 1991 at the age of 51.

In the dedication to his friend and colleague, Dower notes that Schonberger was a man "who never lost sight of the ideals of peace and democracy."

Dower is the Elting E. Morison Professor of History at the Massachusetts Institute of Technology who has written many books and articles on modern Japanese history and U.S.-Japan relations. Dower first met Schonberger in 1974 at the University of Wisconsin. Schonberger was already on the UMaine faculty, and spent three summers at Wisconsin where his wife, Ann, director of the Women in the Curriculum and Women's Studies Program, was completing her Ph.D.

Howard Schonberger was a scholar of American foreign policy history. Dower and Schonberger were both enthusiastic and immensely engaged in their research, and spent hours talking together about Japanese history. As scholars of the Occupation, the two also were compatible in their progressive politics and commitment to social justice.

The Howard Schonberger Peace and Social Justice Memorial Lecture was established at UMaine to honor his scholarship and activism. The first lecture in 1992 was delivered by Dower.

In addition to receiving a recently announced Pulitzer, *Embracing Defeat* has received the National Book Award for Non-Fiction, the Bancroft Prize in American History, the John K. Fairbank Award for Asian History, the Mark Lynton History Prize, and the PEN-New England L.L. Winship Award.

Victor Lesser, University of Massachusetts; **Thomas Wagner**, assistant professor, UMaine Department of Computer Science; with Anita Raja et al: "Resource Bounded Searches in an Information Marketplace," *IEEE Internet Computer, Special Issue on Information Agents*, 4(2):49-58 (2000). The article features

Wagner's agent control technology and demonstrates how it enables a complex information agent to meet real-time deadlines and optimize processing to consider the fee/value trade-offs presented by different information and service providers. This technology also is currently being deployed in an intelligent tutoring application where different sources provide different classes of information for a range of fees and service/response times.

Jennifer Ladd, a graduate student in counselor education who works at the Women's Resource Center, contributed comments to a section, "Lifelong Learning Skills: Take Responsibility for Learning," in the January 2000 edition of *Equipped for the Future Content Standards: What Adults Need to Know and Be Able to Do in the 21st Century*, published by the National Institute for Literacy. Ladd's comments reflected her work at Adult Learning and Welfare to Work in Atkinson.

William Baker, Bird and Bird Professor of History: "Questioning Tom Brown: Sport and the Character Game," *A Fair Go For All? Current Issues in Australian Sports Ethics*, ed. John Squires (Sydney: New College Institute for Values Research 2000) pp. 7-18.

Steve Sader, professor of forest resources, and **Stephanie Vermillion**, graduate research assistant, Department of Forest Management: "Remote Sensing Education: An Updated Survey," *Journal of Forestry*, 98(4):31-37.

Tsutomu Ohno, associate professor of soil chemistry; **Kristan Doolan**, former graduate student in PSE; Larry Zibilske, USDA-ARS, Weslaco, Texas; **Matt Liebman**, Iowa State University; Eric Gallandt, Washington State University; and **Christi Berubi**, former scientific technician II: "Phytotoxic Effects of Red Clover Amended Soils on Wild Mustard Seedling Growth," *Agriculture, Ecosystems and Environment*, 78:187-92 (2000).

Walter Litten, faculty associate, and **John Smagula**, professor of horticulture, Horticulture Program, Department of Biosystems Science and Engineering: "Why Not Tame the Wild Blueberry?" Maine Agricultural and Forest Experiment Station Miscellaneous Report 415.

Peter Tarasewich, assistant professor of management information systems; L.S. Thakur, associate professor of operations and information management at the University of Connecticut; S.K. Nair, associate professor of operations and information management at the University of Connecticut; and K. Wen, University of Wisconsin: "A New Model and Solution Method for Product Line Design with Pricing," *Journal of the Operational Research Society*, 51(1):90-101 (2000). In addition, Tarasewich and S.K. Nair, associate professor of operations and information management at the University of Connecticut: "Designing for Quality," *IEEE Engineering Management Review*, 28(1):76-78 (2000).

Book Ends

New & Noteworthy at the University Bookstore

With spring here, now is the time to think about those gardens. To give you a little help, you will find the following and other selected gardening titles discounted 25 percent at the University Bookstore:

Reader's Digest: The Good Health Garden by Anne McIntyre (1998). A comprehensive guide to growing and using more than 60 herbs, fruits and vegetables. Step-by-step instructions on basic cultivation and care - from planting to harvesting. Contains practical advice on making home remedies from your produce, nutritious recipes using health food combinations, how to store your crops, and planting plans for all sizes of gardens.

Onions, Onions, Onions by Rosemary Moon, Firefly Books (2000). In *Onions, Onions, Onions* you will find exciting and eclectic recipes, ranging from the traditional to the contemporary, that celebrate the versatility of this much-used vegetable. This book is full of information on the many varieties of onions, their pungency and flavor, as well as advice for growing and preserving onions.

Penguin Book of Garden Writing, David Wheeler, Ed., Penguin USA (1998). This enjoyable collection delves into the letters, diaries, casual accounts, fiction, poetry and drama of the last six centuries to offer the very best of "garden writing." Included are celebrated gardeners like Vita Sackville-West, John Evelyn and Gertrude Jekyll, as well as enthusiastic amateurs. *Garden Writing* is an inspiring anthology that celebrates the joy of plants.

New Illustrated Guide to Gardening, Reader's Digest Publishing (2000). Here is the completely revised edition of the best-selling classic guide to gardening. Updated to take your garden into the 21st century, the *New Illustrated Guide to Gardening* is an indispensable gardener's bible that covers every aspect of growing healthy flowers, trees, shrubs, vegetables, fruits and herbs.

The Chef's Garden by Terence Conran, Soma Books (1999). In *The Chef's Garden*, Terence Conran combines his passion for quality cooking ingredients with his flair for design to create kitchen gardens that do not require a big backyard. Filled with practical ideas for growing produce in small backyards, on roofs, and even on window ledges, this book also includes recipes specially devised to showcase the flavor of fresh ingredients.

Other notes:

- ▼ Books featured in "Bookends" are discounted 25 percent (for a two-week period).
- ▼ April 26 is Secretary's Day. Gifts and cards available at the Bookstore.
- ▼ May 6-12 is National Nurses Week. Find selected titles discounted 25 percent.

PALMER COLLECTION ARTIFACTS THE FOCUS OF NEW HUDSON MUSEUM CATALOG

The culture of ancient Mexico is being preserved in exhibits, collections and now a new catalog at the Hudson Museum.

The catalog, *Images for Eternity: Mexican Tomb Figures and Retablos*, features full-color photographs and text by Hudson Director Steve Whittington and David Shoemaker, a graduate student pursuing an individualized Ph.D. in art history. The catalog was funded with a grant from the Mudge Foundation.

Whittington has begun sending copies of the catalog to museums around the country that might be interested in hosting a traveling version of the exhibit drawn from the museum's William P. Palmer III Collection of Precolumbian artifacts.

This is the second exhibit catalog that the Hudson has produced. The first, also funded by the Mudge Foundation, was *Empires Emerging: Collecting the Peruvian Past*. The earlier catalog was a record of an exhibit developed by students in a UMaine Museum Anthropology class taught by Whittington in 1997.

This is also the second traveling exhibit produced by the Hudson Museum. *Worldviews: Maya Ceramics from the Palmer Collection* has traveled to museums in New Hampshire, Oklahoma and Colorado since 1998. Whittington says he has plans to create at least two more traveling exhibits based on the Palmer collection in the next couple years.

The Palmer Collection includes the largest assemblage of ceramic figures from western Mexico in any U.S. museum.

MAFES PUBLICATION FOCUSES ON HISTORY, HEALTH, ECOLOGY OF THE MAINE WOODS

As Maine voters prepare for another forest management referendum in November, a new University of Maine publication provides useful information about the history, health and ecology of the Maine woods.

The publication, *4th Annual Munsungan Conference Proceedings: Forest Health*, contains summaries of presentations made at the conference in 1998. Among the topics are an overview of historical changes, timber supply outlook, analysis of forest images taken by satellites, soil and water trends, biodiversity and spruce budworm impacts.

The publication is edited by William Ostrofsky, director of the Cooperative Forestry Research Unit, and T.J. Dragon, an administrative assistant in the Office of Professional Development, College of Natural Sciences, Forestry, and Agriculture.

The Maine Agricultural and Forest Experiment Station published the proceedings as Miscellaneous Publication 742 and has posted it on the Internet (www.umaine.edu/mafes/elec_pubs/mp742.pdf). A limited number of paper copies is available by calling 581-3211.

Several faculty and student archaeologists from the University of Maine attended the 65th Annual Meeting of the Society for American Archaeology, April 5-9, in Philadelphia. **Dan Sandweiss** (Anthropology & Quaternary Studies) presented the paper "Paleoindian-age Domestic Structure at a Peruvian Fishing Site," co-authored with

Quaternary grad student **Ben Tanner, David Sanger** (Anthropology & Quaternary Studies), Fred Andrus (University of Georgia), and Dolores Piperno (Smithsonian Tropical Research Institute), in the session "Paleoindian Occupations Across the New World," chaired by Sandweiss. Sanger and Henry Berry IV (Maine Geological Survey) presented the paper, "Why Didn't They Use the Good Stuff: Lithic Selection During the Archaic in Central Maine," in the session "Lithic and Quarry Research along the Eastern Seaboard." Sandweiss was also the third author of a paper, with Andrus and Doug Crowe (University of Georgia), on "Climate Change and Subsistence Strategy in Mid-Holocene Peru: Geochemical Evidence of ENSO Variation" in the session "Archaeological Applications of Geology, Geomorphology, and Soil Science." **Kristin Sobolik** (Anthropology & Quaternary Studies) spoke on "Children's Health in the Prehistoric Southwest" in the symposium "Childhood in the Prehistoric Puebloan Southwest." **Stephen Whittington** (Hudson Museum & Anthropology) was a co-author of a paper with Robert Tykot, David Reed and Jason Wilson on "Diet, Demography, and Decapitation in the Late Postclassic: Stable Isotope Analysis of Human Teeth from Iximche, Guatemala" in the session "Research in Bioarchaeology." Undergraduate anthropology majors **Christina Burnham, Michelle Connelly, Tony King** and **Peter Leach** made the long drive from Orono to attend the meeting.

Justin Hafford, instructional multimedia specialist, CED, and **Mike Scott**, director of ASAP Media Services, along with **Ron Kozlowski**, made presentations at the Northeast Higher Education QuickTime Streaming for Higher Education Conference in Boston, Feb. 23. One of Hafford's presentations used examples from the CED Distance Learning Program.

Professor **Dennis Cox**, Music, and Professor Jeff Sandborg of Roanoke College were choral clinicians for the Heritage Music Festival April 8 in Washington, D.C.

Professor of Spanish **Kathleen March** read a paper, "Voz y sombra en La Noche de Exclilia Saldaña," in the section on Nacionalismo y raza en la literatura del Caribe (Nationalism and Race in Literature of the Caribbean) at the Northeast Modern Language Association, April 7-8, Buffalo.

Several members of the Department of Communication Sciences and Disorders attended the spring conference of the Maine Speech-Language-Hearing Association in Portland, April 6-7. In attendance were lecturers **Marybeth Allen, Amy Booth, Polly Camp, Joe DiNapoli, Lorriann Orr** and **Judy Stickles**. Additionally, DiNapoli was elected chair of the Continuing Education Committee, and Allen treasurer of the Maine Speech-Language-Hearing Association.

Marisue Pickering, professor of communication sciences and disorders, gave an invited presentation, "Mentoring and Clinician Education," to the Annual Meeting of the Council of Academic Programs in Communication Sciences and Disorders in San Diego, April 5-8. Also attending the Council from the Department of Communication Sciences and Disorders were **Susan Riley**, lecturer and clinical director, and **D. Kimbrough Oller**, professor and chair.

D. Kimbrough Oller, professor and chair, Communication Sciences and Disorders, gave an invited presentation, "The Development of Speech and the Origin of Linguistic Systems," to the Program in Linguistics at the University of Southern Maine, February 2000.

David Bradley, assistant professor of mathematics, gave a lecture, "Hypergeometric Series and Multiple Polylogarithms," at Penn State University, April 6.

Lynn Berndt, master's candidate, School of Marine Sciences, won the Robert T. Wilee Award for the Best Student Paper presented at the annual meeting of the Northeast Algal Society, April 7-9, University of Rhode Island. Her paper, "Synchronous Gamete Release from *Fucus vesiculosus* on the Coast of Maine," was co-authored by **Susan Brawley**, School of Marine Sciences. Additional papers were presented by Brawley, "Ion Fluxes and Modification of the Extracellular Matrix During Gamete Release in Fucoid Algae," co-authored with **V.S. Speransky** and **M.E. McCully**; and **Lindsay Seward**, master's candidate in biological sciences, "Phytoplankton as a Stimulus for Gamete Release in the Green Sea Urchin, *Strongylocentrotus droebachiensis*," co-authored by **R.L. Vadas, B. Beal, T. Dowling** and **D.W. Townsend**. Vadas, Department of Biological Sciences and School of Marine Science, and **Richard Gordon**, School of Marine Sciences, also attended the conference. As a result of receiving the Wilee Award, Berndt will serve as a student member of the NEAS Executive Committee during 2000-01.

Susan Brawley, professor, School of Marine Sciences; **Barbara Cole**, professor, Department of Chemistry; **Susan Eaton**, third/fourth grade teacher, Indian Island School; and **Barbara Gillman**, master's candidate, Department of Food Science and Human Nutrition, attended a conference at the National Science Foundation, Arlington, Va., March 30-31. This conference was attended by awardees in the new NSF Graduate Teaching Fellows in K-12 Education program. UMaine recently appointed 12 NSF Fellows for 2000-01, including Gillman. Eaton is one of the participating teacher mentors for the program, which will start in four local school districts in September 2000. Rita Colwell, director of NSF, addressed the conference about its role in building a new cadre of scientists who will feel a responsibility to be engaged in K-12 education throughout their careers.

Karen Boucias, director of International Programs, was an in-country interviewer for the Soros Foundation's Open Society Undergraduate Fellowship program. She interviewed 80 students in Russia, Kazakhstan and Kyrgystan, Feb. 18-29. Currently there are two Fellows at UMaine from Estonia and Ukraine. Next year, the University will have two new scholars. The program is for one year of study in the U.S. for students from Eastern Europe and the former Soviet Union.

SUMMER FACULTY RESEARCH FUND RECIPIENTS

Daniel Dwyer, vice president for Research, is pleased to announce the recipients of the Summer Faculty Research Fund competition. Recipients are selected based on recommendations by the Faculty Research Funds Committee. Funds for this program are provided by the vice president for Research as part of a broader investment strategy designed to assist faculty and encourage research and other creative achievements.

- Josephine Donovan**, English, "Local-Color Literature Versus Modernity"
- Lyombe Eko**, Communication and Journalism, "Journalists and Media Facilities During the Yugoslav War of 1999: Did the Geneva Convention Suffer Collateral Damage?"
- Ione Hunt Von Herbing**, School of Marine Sciences, "An Investigation of the Development and Design of the Feeding System of the Larva of an Evolutionarily Advanced Fish: The Bonito (*Sarda chiliensis*)"
- Leslie King**, Sociology, "Pronatalism as a Nationalist Endeavor"
- Roger King**, Philosophy, "Constructing an Environmentally Responsible Culture: Toward an Ethics of the Built Environment"
- Thomas Mikotowicz**, School of Performing Arts, "Performing the Force: Immersion into Science-Fiction, Fantasy, and Horror Environments"
- Suneeti Nathani**, Communication Sciences and Disorder, "Rhythmic Organization in the Vocalization of Typical and Deaf Infants"
- Eric Pandiscio**, Education and Human Development, "Pre-Service Mathematics Teachers Using Distance Education to Learn an Inductive Approach for Teacher Geometry: A Case Study"
- P. Joan Poor**, Resource Economics and Policy, "Economic Valuation of Beach Erosion Control and Benefit Transfers - Project Development Phase"
- Deborah Rogers**, English, "Sacrificing Mothers: Feminism, Patriarchy, and Matrophobia"
- Paul Roscoe**, Anthropology, "The Hunters and Gatherers of New Guinea"
- Sydney Thomas**, Education and Human Development, "The Significance of Human-Animal Interaction Studies for the Development of Humane Education Practices"
- Beth Wiemann**, School of Performing Arts, "Setting Moore's *Fables of La Fontaine* to Music"
- Donglin Zhang**, Biosystems Science and Engineering, "Development and Marketing of New-Released Garden Plants from the University of Maine"

Jeffrey Wilhelm, associate professor of literacy education, was the keynote speaker at the spring conference of the Ohio Council of Teachers of English and Language Arts/Ohio Council of the International Reading Association, March 2-4, Columbus. His topic was "Boys, Books and Technology: The Literacy Crisis of Boys and What We Might Do About It." Wilhelm also was the keynote speaker at the Dupage County Institute Day, highlighting literacy strategies by and for high school teachers, March 3, Lisle, Ill. His topic was "Engaged Reading: Strategies That Work."

Russ Quaglia, director of the National Center for Student Aspirations and associate professor of educational leadership, was a keynote speaker and workshop leader for the Sports Colleges Conference on Raising Standards in Physical Education and Sport, sponsored by the United Kingdom Department for Education and Employment, Nottingham, England, March 30-31. Quaglia's topics were "Effective Leadership" and "Motivating Young People." Quaglia also was a keynote speaker and workshop leader at the National Training Associates' annual Youth Empowering Systems conference, March 26-29, Monterey, Calif. His keynote topic was "Student Aspirations: Eight Conditions that Make a Difference." In addition, Quaglia gave the keynote address at Assumption College's annual academic Honors Convocation, April 13. He was also presented the Assumption Alumni Association's Outstanding Achievement Award. Quaglia is a 1980 graduate of the Worcester, Mass. college. His keynote topic was "Aspiring to Success: Making a Difference in the Future."

Herman Weller, associate dean for instruction, College of Education and Human Development, presented a refereed paper, "If You're Not Teaching Exploration, You're Not Teaching Science: An Earth Science Example," at the national convention of the National Science Teachers Association, Orlando, April 6.

Media Spotlight

Kornfield in The Scientist

The work of Professor of Zoology Irv Kornfield in the area of DNA forensics with wildlife was described in the April 3 issue of *The Scientist*. According to the story, Kornfield has developed a list server for forensics labs nationwide, in part to establish shared databases for microsatellite markers.

His lab has contributed markers for white-tailed deer and moose, while others have committed to do the same for such species as bear, elk and antelope. Kornfield points out that in human forensics, genetic variations between populations have led to the development of databases that give the frequency of occurrence of a given allele within different populations. "Precisely the same thing has to happen in the wildlife forensics community, and that's one of the things my group has spearheaded," he says.

Brazee interviewed by Washington Times

Ed Brazee, professor of middle level education, interviewed this month with *The Washington Times* for a story on young adolescents and their relationships with their parents.

MAINE WATER CONFERENCE HAS RECORD ATTENDANCE

The Maine Water Conference in Augusta April 13, organized by the Water Research Institute and chaired by John Jemison (Extension) and John Peckenham (WRI), was attended by 312 people – a record for what has become the foremost and largest annual environmental conference in New England.

As a showcase of UMaine research, faculty and students presented talks or posters. They included: John Jemison, John Peckenham, Andy Reeve, Jerry Longcore, Joe Kelley, Aria Amirbahman, Ivan Fernandez, Steve Norton, Howard Patterson, Touradj Solouki, Steve Kahl, Therese Anderson, Chandler Morse, Sarah Vidito, Ken John son, Andrea Pearce, Heather Shoven, Johanna Riley Evans, Phil Ruck and Natasha Watson.

UMaine graduate student Sarah Vidito won best research poster, and Nick Houtman of Public Affairs was presented a plaque for his service as director of the Water Resources Program (1992-94), which included founding the Maine Water Conference. Mary Ann McGarry of the College of Education and Human Development, presented an environmental education award to DEP staffer Barb Welch.

Endowment Fund continued from page 2

tree species on campus, and buildings built with bricks handmade here on campus by the first faculty and students.

"With more knowledge of the institution and its heritage, people will feel more pride in being part of the University."

Last fall, Brawley donated \$10,300 to establish the Campus Natural Heritage Endowment Fund in the University of Maine Foundation to benefit UMaine. The fund now totals \$12,000.

The interest from the fund will be used to help support the care and enhancement of the natural environment on campus. Brawley predicts that support can range from new plantings to care for existing trees and plantings to student capstone experiences that increase awareness of the natural heritage

In addition, Brawley hopes the fund will create more historical appreciation in the University community for how UMaine developed. The University's first board of trustees hired Frederick Law Olmstead, the famous New York architect, "to lay out the college grounds and indicate a plan," according to David C. Smith in *The First Century: A History of the University of Maine, 1865-1965*. The first University plan was drawn up in 1866.

Under the new fund, a committee made up of faculty with expertise in such areas as forest ecosystem science, landscape and horticulture will make recommendations for allocating the monies for supporting the care and enhancement of the natural environment on campus. Bruce Wiersma, dean of the College of Natural Sciences, Forestry, and Agriculture, is charged with administering income from the fund, based on committee recommendations.

"I am grateful to Dr. Brawley and others for their contributions to this important endowment," says Wiersma. "I look forward to working with donors and other interested parties in effectively utilizing the proceeds from this endowment."

Brawley says she became acutely aware of UMaine's natural resources while serving on the committee for the Hitchner Hall expansion project. "The care of the campus has had peaks and valleys associated with the kind of funding available to a state university," says Brawley. "It was clear that if we are to preserve the beauty of the campus, an endowment fund is needed.

"I finally decided that rather than painting my house, I would start the endowment."

In its embryonic stages, the fund will only yield a few hundred dollars annually. However, it is important that the fund be an endowment so it will be sustained over time, Brawley says.

To be most effective, the endowment needs a total of several million dollars. It is attainable, she adds, even if it happens one \$25 contribution at a time.

"Between people on campus and alumni, my hope is that the fund grows in the next couple of years," Brawley says. "The sooner money is received to make the fund most effective, the sooner we can ensure that the natural beauty of this campus is maintained.

"If we plan how we build and develop, we can preserve our important heritage and also build the important buildings we need, as in the case of Hitchner, with its new construction designed to spare a more than 130-year-old American elm on the building's lawn. It is important not to get caught in an either-or scenario."

One of UMaine's biggest attractions is the beauty of its campus, says Brawley. It is a natural beauty that is easy to lose, she says. "It has happened on many campuses, now packed with buildings that were planned without thinking how the entire campus would be affected.

"This fund is a vehicle to ensure faculty involvement and stewardship of this campus."

To contribute to the Campus Natural Heritage Endowment Fund, contact the University of Maine Foundation, 947-5100. ▲

Positions Available

The following faculty and professional positions are currently available at The University of Maine. This list includes titles and contact information. Interested parties should consult either The University of Maine contact listed for each open position or Web listing (www.umaine.edu/hr/jobs) to obtain a complete job announcement, including required qualifications. All positions are full time, unless otherwise specified. Questions about search procedures should be directed to the Office of Equal Opportunity, 581-1226.

FACULTY

Assistant/Associate Professor (experimental condensed matter physics or environmental/health physics), Department of Physics and Astronomy. Tenure track. Review Began: 4/20/00. Preferred Start Date: 9/1/00 or 1/1/01. Contact: Send letter of application, vitae, summary of research accomplishments, research plan, statement of teaching philosophy, evidence of excellence in teaching or student supervision, copies of three representative publications, and names and addresses (including e-mail and phone) of at least three references to: Physics Faculty Search Committee, Department of Physics and Astronomy, 5709 Bennett Hall, Orono, ME 04469-5709.

Instructor for Reading/Literacy, College of Education and Human Development. Academic-year (9 months), non-tenure track, with continuation of position dependent on the availability of funding after 7/31/01. Salary Range: \$35,000-\$42,000, with opportunities for extra income through summer teaching or academic-year teaching overloads. Review Begins: 4/30/00. Start Date: 9/1/00 through 5/31/01. Contact: Mail applications to: Brenda Power, University of Maine, 5766 Shibles Hall, Orono, ME 04469-5766.

UNIVERSITY OF MAINE SYSTEM

Director of Labor Relations, University of Maine System. Position located in Bangor within the System-Wide Services unit. Review Begins: 5/15/00. Salary: Competitive and a comprehensive employee benefits package is provided, including life and health insurance, TIAA CREF retirement, and tuition waiver benefits. Contact: Send cover letter, resume and names, addresses and telephone numbers of three professional references to: Director of Labor Relations Search, University of Maine System, Office of Human Resources, 107 Maine Ave., Bangor, ME 04401.

Education Program Specialist, The State Approving Agency for Veterans Programs of the University of Maine System. Reappointment contingent on receipt of continued funding from outside University of Maine System. Position is located in Winthrop, Maine, with statewide travel required. Review Begins:

GRADUATE ASSISTANT FOR GLOBAL LINKS

A graduate assistant is needed to coordinate Global Links, an international outreach program for local schools and community organizations. Specific responsibilities include serving as the liaison to teachers/community members and international student volunteers, arranging time, location, transportation and content details for classroom presentations. Preference given to graduate students who qualify for Work Study. If interested, contact Carol Cote, Office of International Programs, 581-3433.

INSTRUCTORS - CONSULTANTS - TRAINERS - FACILITATORS - KEYNOTE SPEAKERS - SEMINAR AND RETREAT LEADERS

Customized Education and Training Services, Division of Lifelong Learning at The University of Maine, invites persons with expertise in delivering corporate, organization and community education to submit a resume for future employment consideration.

This expanding service area at The University of Maine is especially interested in presenters with expertise on topics such as leadership development, creative thinking, management, supervision, communication, productivity, character development, creating collaborative groups, and managing multiple assignments in changing environments.

Compensation is by the hour, day or class, and is comparable to private-sector fees. Our expectation is that teaching will be engaging, interactive, customized to the client, energizing, enjoyable and practical.

Send resume to: Linda Cross Godfrey, Program Specialist, Customized Education and Training Services, Division of Life Long Learning, 122 Chadbourne Hall - UMaine, Orono, Maine 04469; Tel: 581-3414.

5/8/00. Salary: High thirties, depending upon qualifications and experience, with full University benefits. Contact: Send letter of application and resume to: Donald Sweeney, Director, State Approving Agency for Veterans Education Programs, University of Maine System, P. O. Box 355, Winthrop, ME 04364.

PROFESSIONAL

Assistant Athletic Trainer, Student Health Services. Review Begins: 5/1/00. Start Date: 7/1/00. Salary Range: \$27,500-\$31,930. Contact: Send resume, letter of application and three references to: Cindy Perry, Administrative Assistant I, University of Maine, 5721 Cutler Health Center, Orono, ME 04469-5721.

Research Assistant, Maine Sea Grant Program. Full-time, five-month non-renewable position. Review begins: 5/15/00. Submit a letter of interest, resume, and names and addresses of three references to: Research Assistant Search Committee, Maine Sea Grant, University of Maine, 5715 Coburn Hall, Orono, ME 04469-5715.

INFORMATION ON OPENINGS FOR CLASSIFIED POSITIONS

Because most classified (hourly paid) positions are posted for brief time periods, it is not feasible to announce them in *Maine Perspective*. For updated information on current classified positions available at UMaine, call the jobs line, 581-4567, or check the Web listing (www.umaine.edu/hr/jobs). Application forms are available at: Personnel Services, 124 Corbett Hall, University of Maine, Orono, ME 04469.

The University of Maine is an Equal Opportunity/Affirmative Action Employer. In complying with the letter and spirit of applicable laws and in pursuing its own goals of diversity, the University of Maine System shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability, or veterans status in employment, education, and all other areas of the University. The University provides reasonable accommodations to qualified individuals with disabilities upon request. Questions and complaints about discrimination in any area of the University should be directed to Evelyn Silver, Director of Equal Opportunity, The University of Maine, Room 101, 5754 North Stevens Hall, Orono, ME 04469-5754, telephone (207) 581-1226 (voice and TDD).

UMaine Cooperative Extension

Taking the Maine Coast to the Reflecting Pool

April 22, the 30th anniversary of Earth Day, one of Maine's most successful environmental education programs had a display near the Smithsonian Institution during the U.S. Department of Agriculture's Ag-Earth Partnership celebration on the Mall in Washington, D.C.

The University of Maine Cooperative Extension and Sea Grant display, "The Maine Marine Extension Team Covers the Coast," focused on coastal environmental monitoring programs for water quality and harmful algae known as red tide.

Activities included a field microscope and fixed samples from the Bigelow Culture Collection and the Food and Drug Administration Laboratory for visitors to see the toxic and nontoxic phytoplankton.

Esperanza Stancioff and Riley Morse of the Cooperative Extension office in Waldoboro were on hand to provide guidance and describe the monitoring programs.

MAINE REVIEW 2000 NOW AVAILABLE

Maine Review, the undergraduate student literary magazine, is now available. Adam Crowley, a senior English major from Caribou, edited this year's edition and wrote one of the stories.

"This year, there is a real energy in the stories and I hope that after people read them, they will come away with a better understanding of the talent that exists at UMaine," says Crowley. "This is a community of writers that is trying to push the boundaries and the journal allows them to be heard."

Copies of *Maine Review* are \$3 and available in the English Department and the University Bookstore.

Sponsored Programs

Smith Richardson Foundation makes grants of \$60,000 to tenure-track junior faculty for research and writing on domestic public policy issues. Preference is given to proposals relevant to child and youth development, family environment, school reform, income support, public finance, public management, regulation, the political process, the operation of the legal

system, or nongovernmental approaches to social policy. Deadline: June 1.

National Science Foundation invites research that addresses questions related to the underrepresentation of women and minorities in the information technologies (IT) workforce. Eligible topics derive from three basic themes: environment and culture, the IT educational continuum, and the IT workplace. Multidisciplinary collaboration is encouraged. Deadline: June 22.

Engineering Information Foundation makes grants for programs conducted by engineering educators to encourage girls and women to undertake careers in engineering. Particular interests are in programs emphasizing orientation and recruitment of women, and in programs seeking to eliminate the negative effects of gender-related behavior patterns in classrooms. Range of awards: \$5,000-\$75,000. Deadline: June 30.

Graham Foundation, in a special initiative for 2000, will fund projects of research and public dialogue that consider the relationship between the design of the built environment and the availability and sensitive utilization of natural resources. Considerations of energy efficiency, material availability and consumption impact, or environmental impact are appropriate, as are examinations of historical prototypes. Deadline: July 15.

National Institute of Mental Health calls for research on mental health problems and risks associated with rural populations. Grants will also be made for studies that improve understanding of barriers to the provision of care in these areas, or that provide information to improve the organization, financing, delivery, quality, effectiveness, or outcomes of care.

For more information, call Research & Sponsored Programs, x1476, or visit our website at www.ume.maine.edu/~spd/index.html

UMAINE TODAY

UMaine Today is a daily overview of news coverage related to UMaine, along with other items of interest to the University community. Created by the Department of Public Affairs, UMaine Today is available via:

- ▼ Listserv (e-mail joe_carr@umit.maine.edu to subscribe)
- ▼ UMaine Today on FirstClass
- ▼ On the Web at: www.ume.maine.edu/~paffairs/releases/today.html

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETINGS

The Institutional Animal Care and Use Committee (IACUC) would like to remind investigators/instructors that no research, teaching, or testing activities using live vertebrate animals shall be initiated until the IACUC has approved a protocol for such use.

Listed below are the meeting dates for the spring semester. Completed Protocol Review Forms should be submitted two weeks before the meeting date in order to be reviewed at that meeting.

Protocol review forms and copies of the University's Policies and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498. The information is also available at the ORSP Website, www.ume.maine.edu/~spd/index.html

PLEASE NOTE: There has been some confusion about work with fish or chicken embryos. IACUC approval is required for any work involving fish or chicken embryos if a notochord is formed. This includes their use in research, teaching or testing. The only time IACUC approval is not required for work with those embryos is when the work is conducted AND completed prior to the formation of a notochord.

The next IACUC meeting date is May 16 (submit protocols at least two weeks before meeting date).

Campuswide Calendar

If you have campus events scheduled, send your listings to the Master Calendar, Department of Public Affairs. If you are planning an event and want to check for other activities scheduled at particular days and times, check the Master Calendar (<http://calendar.umaine.edu>) or call 581-3745.

IACUC BIENNIAL TRAINING/ORIENTATION PROGRAM

The Institutional Animal Care and Use Committee's (IACUC) spring offering of its biennial training/orientation program on the care and use of animals will be Wednesday, May 10 (Maine Day), 1-2:30 p.m., 427 Corbett Hall (across from the Gym). People who have attended previous training sessions do not have to attend.

This campuswide training/orientation program is in compliance with federal regulation and the University's approved Animal Welfare Assurance. All faculty, staff and students who work with live, vertebrate, non-human animals are required to participate in the program. The IACUC will not act on protocols for approval of animal use until all project personnel have been certified as having completed the training program.

Contact Gayle Anderson in the Office of Research and Sponsored Programs, x1498, for registration information.

What's Ahead



"BUILDING STRONGER COMMUNITIES FOR A STRONGER MAINE"

April 27

BUMSTOCK 2000!

April 28-29

HONORS CONVOCATION

May 1

COMMENCEMENT

May 20

MAINE Perspective

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