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Maine Perspective

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JANUARY 29, 1996



UMaine graduate student Kelly Zeiner of the Department of Spatial Information Science and Engineering, center, assists high school juniors Elizabeth Wilson, left, and Martha Schoppe in a Spatial Horizons workshop. This particular workshop was for young women, taught by female graduate students. See related story, page 2.

Photo by Kathryn Rice

UMaine Helps Motor Vehicles Examiners Road Test Ways to Improve Communication Skills

Almost everyone who has a driver's license has a story about the road test. If not, they've heard one from a relative or a friend. It's no secret to the examiners that they are the butt of jokes and the bad guys in more than a few road test tales. When license examiners with the State of Maine Bureau of Motor Vehicles decided they wanted to change their negative public image, they asked the University of Maine for assistance.

Earlier this month, four graduate teaching assistants in the Communication master's program and John Sherblom, associate professor with the Department of Communication and Journalism, presented the BMV with an all-day workshop on how to improve communication skills. The workshop, attended by all the license examiners across the state, was the culmination of a semester's worth of work.

"It was an exhilarating experience," Sherblom says. "The driver license examiners were so charged-up about this and the BMV is so interested in continuing to make changes and improve that it is infectious."

Grad students Krista Hirschmann of Harrisburg, Penn.; Jennifer Shamrock of Newcastle, Del.; Matthew Vasques of Sanger, Calif.; and Jeffrey St. John of Richmond, Wash., all in their second year of the master's program, undertook the project as an internship in human relations. For them, the project was labor intensive and time consuming, involving travel to each

motor vehicle registry in the state – from Houlton to York and points in between. Each student was on site and in the back seat week after week, observing almost every examiner for a combined total of close to 500 road tests. *continued on page 11*

Academic Affairs Planning Process Begun Across Campus

Vice President for Academic Affairs Judith Bailey and the Deans' Council have initiated an Academic Affairs Planning Process to identify ways to further increase productivity, contain costs, increase and diversify revenue, and maintain and enhance quality. The process is part of the University of Maine's compilation of goals and objectives for the remainder of the decade known as AFFIRM – Actions to Facilitate Fiscal Integrity and Refocused Missions. *continued on page 9*

In Perspective

6 People in Perspective

8 In Focus: Julian Madison

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

Spatial Horizons Providing View of Latest Technologies

Mapping isn't what it used to be. Indeed, gathering data on the environment and people's relationship to it has moved into a whole new era.

Spatial information technologies are being applied to everything from mapping the locations of natural habitats, guiding cars and planes along their routes, and tracking pollutants, to managing the physical facilities of utilities and city governments.

Long at the forefront of information technologies, UMaine's Department of Spatial Information Science and Engineering is using Saturday morning workshops to train high school teachers, librarians, technology coordinators and students in Maine to use such cutting-edge tools as geographic information systems (GIS), global positioning systems (GPS) and remote sensing data to do activities that involve mapping, analysis, monitoring, navigation, pattern tracking and resource management. In a program called Spatial Horizons, UMaine faculty and graduate students are introducing high school educators and students to the information superhighway. Once on the Internet, they make inroads into the myriad of worldwide databases of satellite-generated geographic information available for projects like mapping the natural resources across the globe or in your backyard.

"Through this information technology, we are able to pull information together from many sources – information on the natural environment, human-built features, and the relationships of people with the land," according to Harlan Onsrud, chair of the Department and associate professor of spatial information science and engineering. "Location is an extremely powerful concept when combined with computer technologies for organizing and analyzing information. Many corporations and businesses are rebuilding the organization of their overall information systems around locational concepts."

What began last fall as a public service project by the Department and the National Center for Geographic Information and Analysis has developed into a popular workshop series with waiting lists of high school educators and students hoping to attend. Almost 100 educators from throughout Maine have attended Spatial Horizons workshops since October. At the request of teachers, two workshops were recently added to

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Putting It in Perspective

“My message to you today is that if you don't take it as one of your professional responsibilities to inform your fellow citizens about the importance of the science and technology enterprise, then that public support, critical to sustaining it, isn't going to be there. Who knows more about science, its complex relationship with technology, the linkage between research and education, the often unexpected benefits to society, than you? Who has greater credibility in discussing science, not just astronomy but science, than you? Who understands better than anyone the price our nation will pay if we fall behind in science and technology in the effort to downsize government? Is it self-serving to advocate support for science? Perhaps. But if the “self” is the American people and the position of leadership of the U.S. in all fields of science and technology in the 21st century, then I wouldn't worry too much about appearing self serving.”

From a speech by Neal Lane, Director of the National Science Foundation, to the American Astronomical Society, Jan. 15, 1996



UMaine cafeteria manager David Hartley is among those who add culinary creativity to the many potato dishes being served in the commons, an initiative unearthed by Mary Zawieski, assistant director of Dining Services.

Photo by Tim Boyd

Dining Services Touting Taters to Show Support for Farmers

When the plight of the Maine potato farmers recently made headlines, the story was already a familiar one for Mary Zawieski, assistant director of UMaine Dining Services.

Zawieski grew up on her father's potato farm in upstate New York. The farm went out of business when she was very young because of many of the same issues facing Maine potato farmers today. As a show of support and awareness, Zawieski has named January Maine Potato Month in the dining commons. To celebrate Maine Potato Month, a Maine potato item has been featured every night during dinner.

"We've tried to do it with some planning as you can only eat so many potatoes. We don't want our customers to say, 'potatoes again?' So we had to be creative," Zawieski says.

The potato might be a side dish such as au gratin or roasted poupon, a main entree as potatoes paprikash, or even an ingredient of that night's dessert, like needems. Zawieski says the dining commons used approximately three tons of potatoes, which were delivered in installments three times a week. During an average month, dining services uses approximately half that amount of potatoes. Those three tons don't even

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Maine Perspective

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University of
Maine

U Maine Calendar

JAN. 30 – FEB. 12

All events are free and open to the public unless otherwise 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: *Maine Perspective* Calendar, Public Affairs. Calendar of events listings MUST be typewritten and should be sent AT LEAST TWO WEEKS in advance. Deadline for each issue: 9 a.m. Friday. For more information, call x3745.

30 Tuesday

"Bioavailability: The Missing Link in Environmental Chemistry," a Chemistry Department Seminar by Larry Mayer, 11 a.m., Jan. 30, 316 Aubert Hall. x1179.

31 Wednesday

Fogler Library Open Meeting, 10:30 a.m.-12:30 p.m., Jan. 31, Lynch Room, Library. x1660.

"A Celebration of Afro-American Poets and Poetry," part of the Poetry Free Zone series, noon, Jan. 31, Honors Center. x1441.

"You, Academics and Stress: How to Deal with It All," part of the NTS Topics series, 12:15 p.m., Jan. 31, Davis Room. x1734.

"Healthcare Practice and Profits: Impact on Maine Consumers," by John Dieffenbacher-Krall, Penobscot Valley director, Maine People's Alliance, part of Healthspeak '96, 12:20-1:30 p.m., Jan. 31, Bangor Lounges, Union. x4194.

Macintosh Internet Tools, a CAPS seminar with Eloise Kleban, 3-5 p.m., Jan. 31, 107 Corbett Business Building. x3524.

Perspectives of Public Higher Education: Developments in the Congress and the Legislature, a video-tape of proceedings from the conference: "Assessing the Environment for Public Higher Education," featuring Peggy Crawford and John Halstead, offered by Student Affairs, 3:15 p.m., Jan. 31, FFA Room, Union. x1820.

"Biodiversity: What Is It? Why Do We Care About It?" a slide presentation by Mac Hunter, offered by S³ - Support for Science Students Program, 6:30 p.m., Jan. 31, Oxford Hall Lounge. x3849.

Theater Production by Alicia Quintano addressing eating disorder issues, part of "Friends Helping Friends" Eating Disorders Awareness Week, 7:30 p.m., Jan. 31, 100 Corbett Business Building. x4008.

1 Thursday

Introductory Windows, a CIT Windows workshop, 10 a.m.-noon, Feb. 1, 111 Corbett Business Building. Preregistration/fee. x1649.

"Quebec: 160 Years of Separation and the Referendum," by Jacques Ferland, part of the Socialist and Marxist Studies Luncheon Series, 12:30-1:45 p.m., Feb. 1, Bangor Lounge, Union. x3860.



GROUNDHOG'S DAY XC SKI TOUR

Friday, Feb. 2

11-11:45 a.m. Brief lesson. Meet on the Field House bleachers.
Noon-12:45 p.m. Ski Tour in University Forest. Meet at exercise cluster at bike path entrance.
12:45-1 p.m. Refreshments at end of tour, ROTC field.

Fogler Library Open Meeting, 2-4 p.m., Feb. 1, Lynch Room, Library. x1660.

Hearts and Minds, part of the Peace and Justice Film Series, 7 p.m., Feb. 1, 100 Corbett Business Building. x3860.

2 Friday

Performance by Vocalist Marguerite Juenemann, part of the Union Board TGIF music series, 12:15 p.m., Feb. 2, Bangor Lounge, Union. x1820.

Introductory Word, a CIT Windows workshop, 1-3 p.m., Feb. 2, 111 Corbett Business Building. Preregistration/ fee. x1649.

Do-It-Yourself Database Searching Workshop, focusing on science and engineering databases, 2:30-4 p.m., Feb. 2, Fogler Library Classroom. Free/preregistration required. x1678.

"Color and Creation: Ancient Panamanian Ceramic Art and Aristocratic Legitimacy," by Mary Helms, professor of anthropology, University of North Carolina, part of the Hudson Museum's 1996 Lecture Series, 3:30 p.m., Feb. 2 (snow date: 2 p.m., Feb. 3), Bodwell Area, Maine Center for the Arts. x1901.

Men's Basketball: UMaine vs. Hofstra, 7:30 p.m., Feb. 2, Alford Sports Arena. Admission fee. xBEAR.

3 Saturday

Women's Track: UMaine vs. Central Connecticut, noon, Feb. 3. xBEAR.

Swimming: UMaine vs. University of New Hampshire, 2 p.m., Feb. 3, Wallace Pool. xBEAR.

Black History Celebration Social, part of Black History Month, offered by Multicultural Student Affairs, 6 p.m., Feb. 3, Wells Conference Center.

4 Sunday

Men's Basketball: UMaine vs. Drexel, noon, Feb. 4, Alford Sports Arena. Admission fee. xBEAR.

5 Monday

"An Update on Butterfly Conservation at Baxter State Park," by Jean Hoekwater, Baxter State Park naturalist, part of the Wildlife Ecology Seminar Series, noon, Feb. 5, 204 Nutting Hall. x2862.

"Student Peacemakers at UMaine: What Are We Doing to Build a Peaceful World?" by Ben Meiklejohn and Chris Bragdon, part of the Peace Studies Luncheon Series, 12:15-1:30 p.m., Feb. 5, Bangor Lounge, Union. x2609.

Introductory Word, a CIT Mac workshop, 1:30-3:30 p.m., Feb. 5, Fogler Library Classroom. Preregistration/ fee. x1649.

Apocalypse Now, video presentation followed by discussion led by Jeff Evans, part of the Vietnam War Mini-Film Series, offered by Campus Living and the English Department, 7 p.m., Feb. 5, Lown House, Doris Twitchell Allen Village. x4580.

6 Tuesday

Do-It-Yourself Database Searching Workshop, focusing on science and engineering databases, 10 a.m. - 11:30 a.m., Feb. 6, Science and Engineering Center Office, Fogler Library. Free/preregistration. x1679.

Windows Internet Tools, a CAPS seminar by Betty Johnson, 3:30-5:30 p.m., Feb. 6, 107 Corbett Business Building. x3524.

New Jersey Drive, part of the Not at the Mall Film Series, 6:30 p.m. and 9:15 p.m., Feb. 6, 100 Corbett Business Building. Admission fee. x1405.

"Sexually Speaking with Dr. Ruth," by Dr. Ruth Westheimer, psychosexual therapist who helped pioneer the field of media psychology, part of the Guest Lecture Series, 7 p.m. Tuesday, Feb. 6, Hutchins Concert Hall. x1777.

7 Wednesday

"Winter's Tales: Poems & Stories to Get Us Through," part of the Poetry Free Zone series, noon, Feb. 7, Honors Center. x1441.

Ongoing Events

Conferences/Seminars/Workshops

Introduction to URSUS, Internet Workshops offered by Fogler Library, 9:30-11 a.m., Jan. 31; 6-7:30 p.m., Feb. 5; 2-3:30 p.m., Feb. 13; 9:30-11 a.m., March 20, Computer Instruction Room, Library. Pre-registration required. x1678.

Navigating the Internet, Internet Workshops offered by Fogler Library, 2-4 p.m., Feb. 7; 10 a.m.-noon, Feb. 29; 10 a.m.-noon, March 6; 6-8 p.m., March 26; 2-4 p.m., April 8, Computer Instruction Room, Library. Pre-registration required. x1678.

HTML, a two-part CAPS seminar by Eloise Kleban, 3-5 p.m., Jan. 29 and Feb. 5, 107 Corbett Business Building. x3524.

Uncover Journal Database, Internet Workshops offered by Fogler Library, 2-3:30 p.m., Jan. 29; 10-11:30 a.m., Feb. 22, Computer Instruction Room, Library. Pre-registration required. x1678.

Basic HTML, Internet Workshops offered by Fogler Library, 9:30-11:30 a.m., Jan. 30; 1:30-3:30 p.m., Feb. 26, Computer Instruction Room, Library. Pre-registration required. x1678.

Using the Mainframe for E-mail, a two-part CAPS seminar with Wayne Persons, 3-5 p.m., Feb. 7 and Feb. 14, 107 Corbett Business Building. x3524.

Scholarly Communication on the Internet, Internet Workshops offered by Fogler Library, 9:30-11:30 a.m., Feb. 8; 1:30-3:30 p.m., March 18, Computer Instruction Room, Library. Pre-registration required. x1678.

Advanced Internet Searching, Internet Workshops offered by Fogler Library, 1:30-3:30 p.m., Feb. 12; 9:30-11:30 a.m., March 21; 3-5 p.m., April 11, Computer Instruction Room, Library. Pre-registration required. x1678.

Entertainment

"Worlds of Wonder", a Planetarium show, 7 p.m. Friday, Feb. 2-23 and March 22-26, Wingate Hall. Admission fee. x1341.

"Follow the Drinking Gourd", a Planetarium children's show, 2 p.m. Sundays, through Feb. 25, Wingate Hall. Admission fee. x1341.

Exhibits/Demonstrations/Tours

Particular Places: Two Maine Visual Artists, a University of Maine Museum of Art exhibit, through Feb. 2, Hauck Auditorium Gallery, Union. x3255.

Waldo Peirce: Places and People, a University of Maine Museum of Art exhibit, Feb. 9-April 26, Hauck Auditorium Gallery, Union. x3255.

Between the Covers: Book as Artwork, Owen Smith and Company, a University of Maine Museum of Art exhibit, through March 3, Hole in the Wall Gallery, Union. x3255.

Art Faculty Annual, a University of Maine Museum of Art exhibit, through March 29, 1938 and Carnegie Gallery and the 1938 Gallery, Carnegie Hall. x3255.

Tree and Tradition: Brown Ash and Maine Native American Basketmaking, a Hudson Museum exhibit, through next fall, Maine Center for the Arts. x1901.

Maine Forest and Logging Museum - Leonard's Mills, a water-powered sawmill community site, open daily 9 a.m.-4 p.m., with guided tours available, Bradley. x2871.

University of Maine Museum of Art open Monday-Friday, 9 a.m.-4:30 p.m. x3255.

Page Farm and Home Museum open Tuesday-Saturday, 9 a.m.-4 p.m. x4100.

Hudson Museum open Tuesday-Friday, 9 a.m.-4 p.m.; Saturday-Sunday, 11 a.m.-4 p.m. x1901.

Meetings of Groups/Organizations

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

Maine Peace Action Committee meets every Tuesday, 6 p.m., Virtue Room, Maples. x3860.

Earth Week Planning Committee meets every Wednesday, noon, Union. Most meetings in the 1912 Room. x3777.

Women's Center, open to all students interested in sharing opinions, responses and ideas concerning women's issues, meets every Wednesday, 3-4:30 p.m., Women's Resource Center, 101 Fernald Hall. x1508.

FAROG: Le Club Francophone, meets every Wednesday, 7 p.m., Franco-American Center. x3764.

PEAC - Professional Employees Advisory Council, meets the first Thursday of every month, FFA Room, Union.

Association of Graduate Students meets twice a month, noon, Lown Rooms, Union. x4548.

Nontraditional Student Coffee Hour, every Thursday, 3 p.m., Commuter Lounge, Union. x1820.

Prisoners of Gender, every Friday, 1:15 p.m., Davis Room, Union. 827-8118.

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

Religious Worship

Newman Center/Our Lady of Wisdom Parish Weekly Liturgy: Sunday, 9:30 a.m. and 6:15 p.m., Newman Center, 11:30 p.m., Bangor Lounge, Union; Monday-Thursday, 4:45 p.m., Newman Center. 866-2155.

Orono Friends Meeting (Quaker), every Sunday, 10 a.m., Orono Community Center, Bennoch Road. 942-7255.

Protestant Ecumenical Worship, 11 a.m. worship with gathered community; 5 p.m. meditation and community prayer; 5:45 p.m. home-made soup and bread served; 6:30 p.m. Sojourners - intentional community gathered for African Bible Study, all on Sunday, Wilson Center 866-4227.

Hindu Prayer Meeting, contact Arvind Sharma, 866-0304.

"Life Stories" Brown Bag Lunch with Rev. Deborah Adams, 11 a.m.-1 p.m., every Monday, Memorial Room, Union. x1734.

Taste of Home Potluck, bring a favorite dish to share, every Thursday, 5:30 p.m., Wilson Center, 67 College Ave. 866-4227.

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

Wilson Center, open as a place for solitude, study and gathering, 8 a.m.-9 p.m., daily. 866-4227.

Dances of Universal Peace, participative Meditations in Motion, offered by St. James' Church, the second Friday of every month, 7-9 p.m., Canterbury House, corner of College Avenue and Chapel Road. No previous experience required. 866-7918.

Miscellaneous

Study Abroad Resource Room, open noon-4 p.m., Monday-Friday, third floor, the Maples. x2905.

Blood Drive, Feb. 5-6, Lown Room, Union. x1734.

Peace Corps Office open 1-4 p.m., Monday; 10 a.m.-2 p.m., Wednesday; 9-11 a.m., Friday, or by appointment, Career Center, Chadbourne Hall. x1633.

"After Frost"

UMaine instructor in English and poet Kathleen Lignell will lead an 8-week reading and discussion series, "After Frost," sponsored by the New England Foundation for the Humanities at the Bangor Public Library at 6:30 p.m., Thursday evenings through April 11.

The discussions are based on a reader created especially for this project, beginning with Frost's work and including the poetry of 30 more recent poets representing a diversity of cultural points of view. The series will also include public readings by poets Tony Hoagland of Waterville and Constance Hunting, UMaine professor of English.

For a schedule or to register: 947-8336.

People in Perspective

As a University of Maine student more than a decade ago, Gail Sockabasin found that the Office of Indian Programs provided a "connection" not only to other Native American peers on campus, but to communities like the one she knew on the Pleasant Point reservation. Working with Ted Mitchell, Sockabasin was involved in a number of campus initiatives like a newsletter that sought to keep Native American students at UMaine in touch with each other.

But while the Office of Indian Programs was where she felt most connected at UMaine, Sockabasin also was keenly aware that more was possible. Prior to enrolling at UMaine, she had been an undergraduate at Dartmouth where the institutional commitment to Native American students was evident in its Native American Studies program, student support services, and the designation of a Native American House on campus.

Today, Sockabasin is a recognized voice for Maine Natives. This week she is in Sacramento as a member of a 10-person team sponsored by the Maine Mathematics and Science Alliance. She is presenting: "Challenges for Education: The Maine Native American Perspective," at a conference for traditional/professional American Indian women, and then joining team members representing the Maine tribes at a second conference: "Math and Science: A Way of Life for American Indian People." This April, she will present a symposium at Dartmouth: "The State of Native New England: Survival and Revival at the End of the 20th Century."

Sockabasin rejoined the University community a year ago as associate director of the Wabanaki Center. She is again working with Mitchell and helping to provide the support to Native students that proved so important in her undergraduate years. She also is grappling with challenges that come from young generations of Native Americans becoming "disconnected" from their communities and sense of identity.

"For many of today's students, being academically prepared is not the issue," says Sockabasin. "It's still a matter of fitting in and not seeing themselves reflected in the institution. A lot of things have changed. We have the Center and we're starting to work toward a Native Studies program. These

are hopeful signs for students. Still, the big challenge for those from the reservation is bridging back and forth between their communities and the University. When I was a student, I had strength in my family and my community, and I carried that around with me. For a lot of Native students today, that strength is not as strong, and with connection with the Native language fading, they have few resources on which to draw.

"There are few Native speakers under the age of 40 who use the language fluently," says Sockabasin. "It's the kind of dilemma that causes confusion in the youth as they search for what it means to be a Native person. The value system that supported the community for ages is not so clear. Many of today's students are off the reservation and do not have that connection. Helping them to feel connected is still a role this office plays today for some students."

Sockabasin knows about life on and off the reservation. She grew up in the Boston area, where she attended high school. At 17, she moved with her family back to Pleasant Point, where she began working for the tribe, first in the Neighborhood Youth Corps, then for the housing authority, the school and community action agency. She enrolled at Dartmouth in 1974 as a history major with a concentration in Native Studies, and returned to Maine a year and a half later after a death in her family.

"We have gone through a lot of changes in the last 20 years," says Sockabasin of her Passamaquoddy community. "One of the things that was important when I returned to the community is that I was readily accepted. That sense of community didn't exist where I lived in Massachusetts. I've also seen the changes in the Native communities brought about with federal recognition. The economic salvation people expected hasn't materialized. What concerns me most is the loss of language – where the culture and uniqueness of the tribe is embedded."

Sockabasin graduated from UMaine in 1982 with a degree in business. She worked on Indian Island for 12 years, first as business manager, and then as health director. In 1992, she received her master's degree in public health from Loma Linda University. Prior to receiving her undergraduate degree, Sockabasin served as a research asso-



Gail Sockabasin

Photo by Kathryn Rice

ciate on the federal Northeast Indian Cultural Awareness Training Project, led by Stephen Marks and Lloyd Brightman.

Last year, Sockabasin began graduate coursework toward an individualized Ed.D. with a concentration on Indian education. Whether her focus is on the education of Indians, education about Indians or Indian education from the Native perspective, the key for Sockabasin is in facing the challenge of diminishing identity.

"A big challenge for all of us – community and parents – is to figure out how we can honor and keep our own Native identity strong and still be able to achieve success.

"At the same time, the University has to challenge some of its own assumptions as to how to educate. It has to take extraordinary steps to welcome Native students and Native perspectives. It is not enough to say we as an institution are going to do things differently. Over the years, the University has established an identity for itself that is narrow in some ways. Institutions like the University can't stay in the same position and expect to hear someone else's voice. The value that we place on relationships with people is one of the areas in which Native people are consistently strong. The University can benefit from Native perspectives."

Black History Month: Return to the Past to Move Forward

Issues of diversity, community building and people empowerment will be among those addressed in a variety of forums and events coordinated by the Office of Multicultural Student Affairs during February to celebrate Black History Month. The range of speakers, including Bobby Seale, co-founder of the Black Panther Party, and Sylvester Monroe, Los Angeles-based correspondent for *TIME* magazine, highlights different aspects of the African-American experience while also providing insight for the wider community.

"The goal is to share the rich history of people of African-origins with the larger community. We haven't been taught that history in school. The history of African-origin peoples should be integrated into American history because those histories are essentially one," says Adonis Ferreira, assistant dean for Multicultural Student Affairs.

In keeping with this goal, the theme for Black History Month at UMaine is "Sankofa," a word from the West African language Akan which means, "Return to the past in order to move forward."

All events are free and open to the public. The schedule follows:

Tuesday, Jan. 30

▼ *Hoop Dreams*, part of the Not at the Mall Film Series, 6:30 p.m. and 9:15 p.m., 100 Corbett Business Building.

Friday, Feb. 2

▼ "Being Black in New England: Celebrating a History of Faith and Work," 1 p.m., Bangor Theological Seminary, 300 Union St., Bangor.

Saturday, Feb. 3

▼ Black History Celebration Social, 6 p.m., Wells Conference Center.

Tuesday, Feb. 6

▼ *New Jersey Drive*, part of the Not at the Mall Film Series, 6:30 p.m. and 9:15 p.m., 100 Corbett Business Building.

Thursday, Feb. 8

▼ *Sankofa*, part of the Peace and Justice Film Series, 7 p.m., 100 Corbett Business Building.

Monday, Feb. 12

▼ "The Diversity Imperative," discussion by Sylvester Monroe, Los Angeles-based correspondent for *TIME* magazine, 7 p.m., Dexter Lounge, Alford Sports Arena.

Tuesday, Feb. 13

▼ *Panther*, part of the Not at the Mall Film Series, 6:30 and 9:15 p.m., 100 Corbett Business Building.

Wednesday, Feb. 14

▼ "Engendering the Harlem Renaissance: Black Women Writers of the Early 1900s," presented by Judith Musser, assistant professor of English, Husson College, part of the Women in the Curriculum Program Lunch Series, 12:15-1:30 p.m. at the Bangor Lounge, Union.

Tuesday, Feb. 20

▼ "Social Movements of the 1960s — Effective Community Organizing for People Empowerment." Presentation by Bobby Seale, co-founder of the Black Panther Party, founder of REACH (Reclaiming, Recycling and Re-evolving — Ecological-Earth-Enviro-Empowerment — Around All-Peoples — Creative-Cooperational — Humanism), 7 p.m. at Wells Conference Center.

Thursday, Feb. 22

▼ Million Man March: Video and Discussion, 7 p.m., Bangor Lounge, Union.

Wednesday, Feb. 28

▼ "Century of Challenge, Century of Change: African American Women and their Organizations," Cheryl Townsend Gilkes, MacArthur Associate Professor and Director, African American Studies, Colby College, part of the Women in the Curriculum Program Lunch Series, 12:15-1:30 p.m., Bangor Lounge, Union.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Smart Technology Aimed at State's Businesses

Technology that improves voice transmission over telephone lines, predicts mortgage risks for banks, and teaches machines to talk is being applied by UMaine faculty and students to the problems of Maine businesses.

S.D. Warren in Skowhegan and Jackson Laboratory in Bar Harbor are working with Mohamad Musavi, associate professor of electrical and computer engineering, and a team of graduate and undergraduate students on projects to improve the efficiency of their production processes. The project will be extended statewide through a new three-year, \$1.2 million grant from the Maine Science and Technology Foundation.

The UMaine team is adapting a relatively new technology called the artificial neural network to give machines a human-like type of intelligence. Consisting of sensors, communication links, computing elements and learning software, the neural network system falls into the realm of "smart technology" and stems from past research on the brain and nervous system in humans and other animals.

The technology can also be used to increase the efficiency of pulp and paper manufacturing facilities. These manufacturing processes use enormous amounts of energy and other resources. Even small improvements could yield significant savings for industry, benefiting Maine's economy and environment.

Another project to automatically match aerial images to digital elevation data is being conducted to align the images with geographic reference points. The research is funded by the U.S. Air Force Office of Scientific Research and Rome Laboratory, New York, where Musavi has spent several summers as a consultant.

Predicting the Future of the Lobster Harvest

Under a grant from the Maine/New Hampshire Sea Grant College Program, a group of scientists is working on ways to accurately make lobster predictions — information lobstermen could use to prepare for declines or increases in their quarry and possibly avoid hardships.

The project focuses on the settlement of planktonic lobsters, the inch-long preschoolers which swim in coastal waters and eventually settle to the sea floor. "Early events that happen in the life of many organisms seem to be the most important thing in controlling the organism's abundance," says Professor of Oceanography Bob Steneck, a research team member who has worked on lobster ecology for almost a decade. "This is where ecology and fishing come together."

Steneck is working in collaboration with Rick Wahle of the Bigelow Laboratory for Ocean Sciences in West Boothbay Harbor, Win Watson and Hunt Howell from the University of New Hampshire, Stanley Cobb from the University of Rhode Island and Michael Fogarty from the National Marine Fisheries Service.

Over the next three years, the research team will be tracking landings and monitoring environmental conditions such as temperature and food availability. They will also use sampling techniques developed by Wahle to estimate the numbers of lobsters settling on the sea floor. Those numbers will be compared with the number of lobsters that settle into artificial collectors developed over the past several years by Steneck.

Eventually, better knowledge of future lobster stocks may help scientists, regulators and the industry to reach agreement on how to manage today's resources.

Romance Sparks Research in Philippine Diplomatic History

When a friend gave Julian Madison the address of a woman in the Philippines, he thought he could spare the time from his studies as a history student at Cleveland State University to write a few letters. Little could Madison have known that a few years later that woman he wrote to on a whim would be his wife, that their romance would ignite what has become a passionate interest in the history of the Philippines – the subject of his doctoral dissertation – and that he would meet Imelda Marcos while on a trip to visit his in-laws.

A diplomatic historian originally from Cleveland, Madison is in a 12-month residency at the University of Maine as a recipient of the New England Board of Higher Education Dissertation Fellowships for Minority Students. In completing his doctoral work with the University of Washington in the history of American foreign relations, Madison is adding a twist to his chosen field. While most in diplomatic history focus on Washington or on U.S.-European relations, Madison's interest lies in U.S.-Asian relations, particularly Southeast Asian.

"I am trying to carve out my own little niche," he explains. Before Madison's first trip to meet his future wife, Riezl, he began researching the Philippines to learn about her country and its culture.

"The more I read, the more interested I became," he says. He was drawn to the early 1950s — the Huk Rebellion and the efforts of some Americans to put it down. But he had to find a new topic because, after he researched the Rebellion's economic aspects and prepared to write his dissertation on it, another book on the same subject came out with the same theories and conclusions.

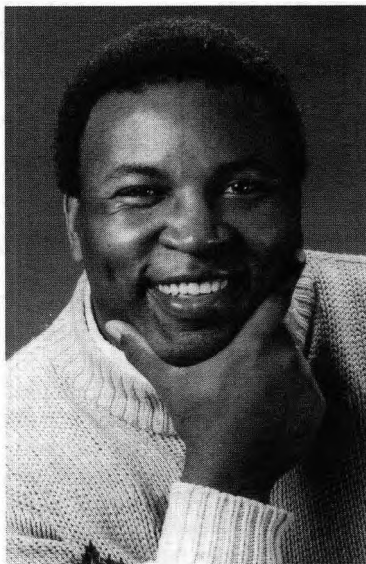
Madison noticed in his reading and research that the literature available on the Philippines all but ignored the early 1960s, so he settled on U.S.-Philippine relations during that decade.

"I'm looking at economic and military relations, not so much political issues, although that will be part of it," he says. "The United States in the early '50s was heavily involved in Philippine politics but as time went on into the '50s and '60s, it started to develop a hands-off relationship."

In his dissertation, Madison examines claims that the U.S. had a special relationship with the Philippines and argues that a special relationship as defined by these individuals never existed.

"Special relationship" has different meanings depending on the person defining it, but it may be the location of U.S. military bases, the existence of a cultural and emotional connection, and the willingness of the U.S. as a colonial power to grant independence. As a result, Madison has interviewed many of the major figures in U.S.-Philippine relations during the 1950s and 1960s.

"With regard to the military situation, I disagree with the whole idea of American bases symbolizing special relations simply because I look at special relations as being deeper than



Julian Madison

Photo by Tim Boyd

that," he says. "The United States tended to use the Philippines as a base of operations from which to reach goals in other places."

Madison likens the U.S.-Philippines relationship to a parent and child, with America having all the economic advantages. When Congress granted the Philippines freedom from colony status, it did so under pressure from U.S. farmers who feared competition during the Depression, so independence was given gradually during a 10-year period.

And he found little to support the cultural/emotional argument. While American items are popular in the Philippines, there is little evidence of Philippine culture in this country beyond an occasional Philippine restaurant.

"The point of this is that it is all one-sided," he says.

Madison's personal experiences are evidence of the difference in cultures and the aura Americans seem to have in the Philippines. He remembers the first night he visited Riezl at her family's home where, sitting in their living

room, "I looked at the front door and there were about eight heads peeking in, staring at me," he says. "I smiled and they smiled and left and then eight more heads took their place so they could see this American."

Madison recently returned from another research trip and a brief visit with his in-laws in the Philippines. This time it was his turn to look on in amazement — at former President Diosdado Macapagal, who was defeated in 1965 by Marcos; Macapagal's daughter, Senator Gloria Macapagal Arroyo, who may be the next president; and Imelda Marcos, who is now a representative.

"Philippine politicians are much different from American politicians," Madison says. "They are much more accessible."

One evening he visited the U.S. Embassy Library. As he left, he noticed a street sign for where Macapagal lived. "I walked over there, found the house and knocked on the door," he says. "Macapagal answered it himself and invited me in."

Before Madison left, he had been given access to the former president's personal papers. He also was given a similar chance to go through Ferdinand Marcos' by his widow, Imelda, who wore her house slippers during a casual lunch meeting with Madison.

Madison appears undaunted at mixing with former presidents and internationally known personalities. Rather, he is glad to be back at UMaine and at home with his wife and their two small children. He prefers to talk about how much support his family has been and the difficulty of being a husband and a father while trying to finish a doctorate.

Madison hopes to finish his dissertation this spring. In the meantime, he will present seminars this semester on how to succeed in graduate school. His talks are open to the public and are particularly aimed at multicultural students. He lectured in some undergraduate history classes last semester, and would like to continue teaching at the university level in the future. ▲

Planning Process *continued from page 1*

As part of this planning process, Bailey is facilitating a series of discussions for faculty and academic staff around five primary questions. The discussions are intended to serve as a way to share perceptions, to gauge the level of consensus on issues, and to have a voice in the decision-making that will emerge from the Academic Affairs Planning Process. Faculty and staff are urged to be involved in the process, as well as in planning activities in their colleges as part of AFFIRM.

Bailey initiated the Academic Affairs Planning Process with the deans in mid-December and have asked each member of the Deans' Council to make a formal presentation regarding programmatic priorities, restructuring, and fiscal reallocations.

The five sets of questions selected for discussions are:

▼ How do we envision our curriculum and program mix?

What should be the balance between liberal arts and professional programs? Between our undergraduate and graduate missions? What is the balance of programs that best meets our vision of the university and can be supported by our projected resource base?

▼ What does it mean to be a land-grant university in the 21st century?

How do we best fulfill our mission as the state's research and doctoral institution? In our vision of a land-grant institution in the 21st century, what changes are necessary in order to be able to do our scholarship and research? Our outreach and service?

▼ What is our relationship to other higher education institutions in the state?

How do we collaborate, respect our distinct missions, explore mutually beneficial opportunities?

▼ How do we identify and meet changing students needs?

How do they influence our program mix? Our teaching/learning strategies and techniques? Our schedules? Structure?

▼ What opportunities are there to be more entrepreneurial within academic programs?

How do we facilitate entrepreneurial approaches to academic programs?

Within each topic area, some of the discussion will focus on four important aspects of our institution, namely, our commitment to:

▼ be student centered

▼ enhance and increase racial, ethnic, and cultural diversity in faculty, staff, student body, curriculum and general environment

▼ promote international education

▼ improve the use of academic computing and instructional technologies.

Schedule of the remaining discussions:

Curriculum and Programs

Thursday, February 8 noon-1:30, Lynch Room, Fogler Library

Meeting Students Needs

Thursday, February 1 3:4:30 p.m., Mahogany Room, Wells

Entrepreneurial Opportunities

Wednesday, January 31 noon-1:30 p.m., Mahogany Room, Wells

Land Grant Mission

Wednesday, January 31 3-4:30 p.m., Mahogany Room, Wells

Wednesday, February 7 3:30-5 p.m., Honors Center Library

Relationship to Other Institutions

Thursday, February 1 noon-1:30 p.m., Lynch Room, Fogler Library

Wednesday, February 7 11:30 a.m.-1 p.m., Lynch Room, Fogler

DEADLINE EXTENDED FOR CLASS BOOK NOMINATIONS

The Academic Affairs Committee of the Faculty Senate needs your nominations for next year's class book. The book is selected by the Academic Affairs Committee and the director of College Composition. The following guidelines are used in selecting the book:

1. The book should be of sufficient intellectual rigor and cultural interest to engage an audience of university faculty and students, yet broad enough to appeal to a diverse academic community.
2. All nominations must be accompanied by a copy of the book and a one-page statement outlining the arguments in its favor.
3. The book should be available in paperback and be reasonable in cost.

Selections from past years are:

1992 - *Hen's Teeth and Horse's Toes*, by Stephen Jay Gould

1993 - *Lying*, by Sissela Bok

1994 - *The Disuniting of America*, by Arthur Schlesinger Jr.

1995 - *The Things They Carry*, by Tim O'Brien

Deadline for nominations extended to Tuesday, Feb. 6.

Send your nominations to: Dana Humphrey, Chair, Academic Affairs Committee, Department of Civil & Environmental Engineering, 105 Boardman Hall.

SCIENTIFIC EQUIPMENT AND BOOK FUND

REMINDER: The deadline for receipt of applications for the Scientific Equipment and Book Fund competition is Monday, Feb. 12. The Scientific Equipment and Book Fund provides awards for the acquisition of equipment or library collections. Approximately \$50,000 is available for this competition (10-15 awards are expected to be made). The usual upper limit for this competition is \$7,000; requests for larger amounts will require exceptional justification.

The purpose of these funds is to stimulate and to assist individual members of the faculty to initiate or to redirect research or studies of a scholarly nature. Eligibility is limited to tenured and tenure-eligible faculty. Faculty are eligible to receive this award every three years. Proposals will not be considered from individuals with delinquent reports from any previous Faculty Research Funds Awards.

The Faculty Research Funds Committee represents a broad range of disciplines from the entire University of Maine faculty. Consequently, the proposal should be written for a general audience.

Application packages are available in the Offices of the Deans and in the Office of Research and Sponsored Programs, 424 Corbett Hall, x1498.

Did You Know

▼ As of July 1, the Waste Reduction and Recycling Program changed its name to the Office of Resource Conservation and Recovery.

▼ Cafeteria food scraps amounts to 604,925 pounds a year, -16.52 percent of UMaine's total waste stream. OCRC recovered 20.93 percent of that waste last year.

▼ The Orono treatment facility cleans 1,040,000 gallons of water daily. UMaine contributes approximately 45 percent of that water.

▼ UMaine has reduced its volume of waste by 15 percent during the past five years, a percentage equal to 330.8 tons of waste no longer being produced.

▼ Recyclable paper makes up 42.78 percent of UMaine's waste stream.

▼ Central Supply spends more than 50 percent of its budget on stocking recycled materials, primarily paper.

▼ The University generated 484,453 pounds of corrugated cardboard during its last fiscal year, equal to 13.23 percent of its total waste stream. Of that, 260,900 pounds of cardboard were recovered, earning the University approximately \$18,260 in today's market.

▼ The Office currently employs 35 students part time, five classified employees and two professional employees.

▼ The Office generates 33 percent of its operation costs from the sale of the resources it recovers.

▼ Last year, nearly 1.5 million pounds of waste created by the University was recovered and recycled, amounting to slightly more than 40 percent of UMaine's total waste stream.



Roy Bouchard, Maine DEP, Augusta, Matt Higgins, Bucknell University, and **Chet Rock**, professor and chair, civil and environmental engineering: "Using Constructed Wetland-pond Systems to Treat Agricultural Runoff: A Watershed Perspective," *Lake and Reservoir Management*, 11(1):29-36. Also Rock, with Steve Woodward, Woodard and Curran, Portland: "Control of Residential Stormwater by Natural Buffer Strips," *Lake and Reservoir Management*, 11(1):37-45.

Judy Kellogg Markowsky, faculty associate in wildlife: "Breeding Bird Census, White Spruce Plantation, University Forest," *Journal of Field Ornithology* 66(4):67 (Fall 1995), and "Christmas Bird Count, Orono-Old Town," *National Audubon Society Field Notes*, 49(4):416-17.

Kathleen Lignell, Sea Grant communications and instructor in English, poems published: "The Flight of Quetzalcoatl," *New England Review* (Fall 1995); and "Dancing Girl," *Raven Chronicles* (Fall 1995).

Eugene Del Vecchio, associate professor of Spanish and associate graduate dean: "Ecriture in A. Machado's *Soledades Galerías y otros poemas*," *Ojácano: Revista de literatura española* (10):32-40 (Octubre 1995).

Herman Weller, assistant professor of education, with Judi Repman, William Lan, and Gene Rooze, in education at Texas Tech University: "Improving the Effectiveness of Learning Through Hypermedia-based Instruction: The Importance of Learner Characteristics," *Computers in Human Behavior*, 11(3-4):451-65 (1995).

William Krohn, leader, Maine Cooperative Fish and Wildlife Research Unit, Bradford Allen, Maine Department of Inland Fisheries and Wildlife, **John Moring**, Maine Cooperative Fish and Wildlife Research Unit, and Alan Hutchinson, Maine Department of Inland Fisheries and Wildlife: "Double-crested Cormorants in New England: Population and Management Histories," in *The Double-crested Cormorant: Biology, Conservation, and Management*, D.N. Nettleship and D.C. Duffy (eds.). *Colonial Waterbirds* 18:99-109 (Special Publication 1).

Josephine Donovan, professor, Department of English: "A Source For Stowe's Ideas on Race in *Uncle Tom's Cabin*," *National Women's Studies Association Journal*, 7(3) (Fall 1995).

Brenda Power, associate professor of literacy education: "Crawling On the Bones of What We Know: An Interview with Shirley Brice Heath," *Teacher Research - The Journal of Classroom Inquiry*, Vol. 3, No. 1 (Fall 1995) pp. 23-35.

Judith Bradshaw Brown, doctoral candidate in literacy education: "Scientific Revolution" (a poem about her evolution as a researcher), *Teacher Research - The Journal of Classroom Inquiry*, Vol. 3, No. 1 (Fall 1995) pp. 87-88.

Nontraditional Student Scholarships

Nontraditional student scholarship applications for full-time undergraduate students available at The Commuter Office, Union.
Application Deadline: Friday, Feb. 9.

Book Ends

New & Noteworthy at the University Bookstore

Now that "Book Rush" is officially over for another semester, there is room once again to browse in the general book department. The new spring book season is just beginning, and we'll have hundreds of new titles in the upcoming months.

Fiction:

The Ghost Road - Pat Barker. Third in her World War I trilogy, this novel was awarded the 1995 Booker Prize last month, and was released in the U.S. in January. Barker continues her fictionalized narrative of the lives of Wilfred Owen and W.H. Rivers as seen through the eyes of one soldier. The first two books in the trilogy are *Regeneration* and *The Eye in the Door*, both are currently available in paperback.

In the Beauty of the Lilies - John Updike. The title is a line from the "Battle Hymn of the Republic," and serves to set the tone for this novel about four generations of an American family and their relationships with religious faith.

The Bloody Red Baron - Kim Newman. Several vampiric characters from the author's previous novel, *Anno Dracula*, chase each other across Europe in this alternative history novel. The resurrected Edgar Allen Poe is commissioned by German High Command to write a biography of the infamous title character, Baron Manfred von Richthofen. Whether or not the author successfully combines history and horror remains to be seen, but this is sure to please vampire lovers!

Nonfiction:

Lucy's Bones, Sacred Stones, and Einstein's Brain - Harvey Rachlin. This collection's subtitle says it all: "the Remarkable Stories Behind the Great Objects and Artifacts of History, from Antiquity to the Modern Era." Read it and learn where, how and why certain items survive. Included are such diverse objects as the Rosetta Stone, the Shroud of Turin, the Hope Diamond, Napoleon's Penis (yes, really), the Wright Brothers' Flyer, Einstein's Brain, and numerous others.

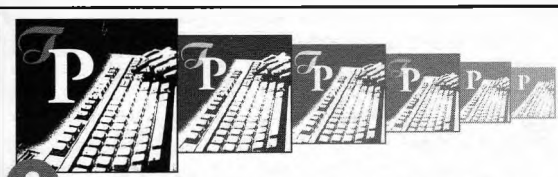
Dinosaur in a Haystack - Stephen Jay Gould. Here's a new collection of essays culled from Gould's work for *Natural History* magazine. Once again he gives the reader "the marriage of alluring detail with instructive generality," on such topics as giant fossils, beeswax, Darwin's poetry and blaauwbocks. Read and find out for yourself.

Being Digital - Nicholas Negroponte. This was a best-seller for us last year when it was published in hardcover. Now, it is much more affordable in paperback, for those of you who were waiting! The author debunks the multimedia-Internet hype so prevalent these days and presents a much less technologically worrisome future. Copies of the book currently include a free book mark with a binary code puzzle, as well as Negroponte's e-mail address.

STUDENT ACADEMIC CONFERENCE TRAVEL FUND

The Student Academic Conference Travel Fund for undergraduate students will hold its second competition of the academic year. This fund serves undergraduate students who need financial assistance for travel to meetings/conferences of an academic nature. Applications must be submitted to the Office of Academic Affairs, 209 Alumni Hall, by Wednesday, Feb. 7. Money will be awarded for travel taking place between Feb. 8-May 1. Applications can be obtained from Joan Day, Office of Academic Affairs, 209 Alumni Hall, or by calling x1547.

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Communication *continued from page 1*

They also spent time sitting in registry lobbies watching the dynamics of anxious people coming in before the test, parents and friends waiting during the test, the interaction at the moment the pass or fail news is given, and the applicants sharing the results with their families.

Through the observations and working directly with the BMV's Communication Working Group, the students learned not only the role of the examiners and the context in which they work, but also the different communication skills that are required of them. During the workshop, they discussed listening skills, such as how to better listen to applicants and hear their questions or concerns, even when a high state of anxiety prevents them from being well articulated. Examiners explored conflict management skills for defusing, managing and resolving conflict when an applicant is unhappy with the test results. Other topics such as the perception and projection of power and other image-related issues also were addressed.

Before approaching the University, the BMV first inquired about training programs available through the state, finding none well-suited to its needs or the examiners' line of work. The BMV also investigated private consulting agencies, but found them too costly for the state's budget. The collaboration between the students and the Communication Working Group proved mutually beneficial for UMaine and the BMV. The BMV received a day-long communication skills workshop tailored to its specific needs and designed with its input. The Department of Communication and Journalism was provided an internship site through which to give students practical, on-the-job experience. After 14 weeks of direct observation of the BMV's communication and ongoing discussions about the dynamics involved, the students had the opportunity to apply the communication theories they have been studying to an actual organization.

"Sometimes in graduate school, you read a lot of research studies, look at a lot of theories and engage in a lot of discussion, but in a traditional course you don't have the opportunity to really put any of that to the test," Sherblom says. "This project allowed us to work collaboratively with people in a 'real world' organization and to see how all those research studies, theories and discussion ideas can be applied. We really had a good time and learned a lot about organizational communication ourselves." ▲



John Sherblom, center, worked with four graduate students, left to right, Jeff St. John, Jennifer Shammock, Krista Hirschmann and Matthew Vasques, to develop the communication plan for the Maine Bureau of Motor Vehicles. Photo by Tim Boyd

Spatial Horizons *continued from page 2*

accommodate students, including one held Jan. 20 for young women who are high school juniors and taught by the female graduate students of the Department.

"We had numerous inquiries regarding training in both GIS and GPS, as well as about the Internet – all technologies we are very familiar with and helping to advance," says Onsrud. "We essentially identified a need and are responding to it. Numerous teachers in the state had some initial exposure to remote sensing data and GIS through various vendor-supported programs, but were coming to us with further questions. They want to know the next steps for incorporating spatial technologist into their classrooms, including how to connect to networks for easier access to data and getting real data pertaining to their communities.

"People are interested in the environment around them. GIS can be used as a means of tying information together about a community through images and maps, which are then merged with more traditional databases. GIS is being heavily used by government and industry with high growth expected to continue due to the broad application of the technology. The hardware has finally advanced to where the storage capacity is large enough for people to do useful things on a desktop and public domain GIS software is now available so that schools and people at the local level can start experimenting with the technology."

Workshops for high school teachers, librarians and technology coordinators in the fall focused on GIS systems and the Internet, including on-line resources available for teachers such as images and databases; this spring, sessions will concentrate on GPS systems and processing of remote sensing images. Included are hands-on lessons in constructing Web homepages that can then

be used in the schools. Leading the workshops for educators has been Onsrud and Kate Beard-Tisdale, with the help of graduate teaching assistants. This spring they will be joined in the GPS sessions by Alfred Leick and in the remote sensing sessions by Peggy Agouris.

The "for women only" workshop held earlier this month was organized by graduate student Sharron Macklin, with the help of other women graduate students who volunteered their Saturday to work with the high school girls, many of whom were tapped by their teachers for their potential in engineering. Macklin, like the other female graduate students, serves as a role model, albeit a nontraditional one, for the high schoolers.

At 46, Macklin is pursuing a master's degree in spatial information engineering after leaving her career in human services and studying cartography. She knows what it is like to have gone through high school when women traditionally were steered into fields such as teaching, human services and nursing.

This engineering field is so new and rapidly evolving that it is not dominated by men or women. Many women are drawn to the environmental applications in the discipline and also to the opportunity to have an impact on decision making through the extraction and analysis of relevant information.

"Historically it always has been a problem to get women in science, math and technology areas," says Macklin. "We suggested one Saturday workshop just for women because we wanted to provide a less competitive, non-threatening environment where young women feel they can be themselves. The hands-on workshops make the difference, allowing them to explore what is of interest to them. This is a good recruitment tool. We would like to see more women go into engineering." ▲



Warren Riess, research associate professor of history, attended the annual meeting of the Society of Historical Archaeology in Cincinnati, Jan. 3-7. He presented a paper: "The Penobscot Expedition, Phase 2," and was a member of the panel discussion: "Managing States' Underwater Cultural Resources."

Russell Quaglia, director of the National Center for Student Aspirations and associate professor of education, conducted a workshop with educational, community and student leaders from eight New Hampshire school districts Jan. 12 in Laconia. He presented research and interventions, including the student aspirations survey developed at UMaine, to help schools assess and respond to student perceptions and needs in school reform efforts.

William Clapham, supervisory plant physiologist with the USDA-ARS, attended the American Society of Agronomy meetings in St. Louis, Oct. 29- Nov. 3. He presented: "A Thermosensitivity Index for *Lupinus albus*," co-authored by **Julie Willcott**, plant physiologist; and "Foliar Nitrogen Application for Short-Season Potato Production," co-authored by Willcott and **Wayne Honeycutt**, soil scientist.

Malcolm Hunter Jr., Libra Professor of Conservation Biology, presented a seminar: "Biodiversity: Buzzword or Fundamental Concept," at the University of Montana, Missoula, Dec. 1.

Margaret Lukens, assistant professor of English, was a participant in the seminar: "Construction of Gender and Experience of Women in American Indian Societies," at the Newberry Library in Chicago, Jan. 8-13. The Newberry houses one of the country's best collections of Native American materials, as well as the D'Arcy McNickle Center for the History of the American Indian. The seminar was the last in a series funded by the NEH: "Indian Voices in the Academy." Senior scholars leading the seminar were Beatrice Medicine of South Dakota, and Patricia Albers from the University of Utah. Participants were teaching professionals from a variety of disciplines (anthropology, history, literature, library/archival), more than half of whom were Native people. During the seminar, work began on "occasional papers" in Native Studies which will be collected and published later this year by the D'Arcy McNickle Center.

Lori Freid Davis has been named an Extension educator in Cumberland County. She will work closely with the Cumberland County Extension groups with a specific focus on child development, school-age child care and parenting education. Prior to joining the University, Davis was director of Child Care Connections, Cumberland County's Child Care Resource Development Center, where she worked collaboratively to enhance the professionalism of childcare providers. Davis also has been area manager of Catholic Charities Maine Family Child Care program in Androscoggin County, where she was instrumental in the creation and production of the Family Child Care Handbook, a resource manual distributed to over 2,000 family childcare providers in Maine.

Faculty, staff and graduate students attended, presented papers or chaired sessions at the Association for Canadian Studies in the United States '96 biennial conference in Seattle, Nov. 15 - 20: **Robert Babcock**, history, "Comparative Labor History: Historians en grève"; **Howard Cody**, political science, "Regionalism and Proposed Scenarios for Canada's Future"; **David Decker**, art, "'Souk and Ye Shall Find': Revitalized Traditions in Canadian Market Places"; **Matthew Hatvany**, history, "Circulating Knowledge in the Northeast: Almanacs and Agricultural Change in Prince Edward Island, 1792-1850"; **Margo Lukens**, English, "Humor and Renewal in Thomson Highway's Dry Lips Oughta Move to Kapuskasing"; **Judith Oakley**, business, "After NAFTA: A Comparative Analysis of Public Policy Initiatives in Canada and the United States Affecting Small Businesses"; **Kenneth Paulsen**, history, "Religious Diversity and Ethnic Identity in Lunenburg Township, 1753-1800"; **Kraig Schwartz**, history, "Ethnicity and Class Conflict: Ukrainian and French Cooperation During the General Strike at Thetford Mines, 1915"; **Deborah Styles**, history, "The Patriot and the Personal: Socialist Martin Butler and Butler's Journal, Director to New Brunswick and the 'Border State,' 1890-1915"; **Stephen Hornsby**, anthropology and Canadian-American Center director, participated in a panel: "The Organization of Interdisciplinary Knowledge: Canadian Studies Programs in 1995," and chaired the session Cross-Border Connections. **Raymond Pelletier**, modern languages and classics and associate director of the Canadian-American Center, attended the conference. Administrative Assistant **Amy Morin** attended the conference and assisted with the registration of over 600 participants.

Richard Campana, emeritus professor of botany, plant pathology and forest resources at the University of Maine, presented an invited paper at the Annual Convention of the Society of American Foresters meeting in Portland, Oct. 27 - Nov. 3. His presentation included a series of slides on: "Tree Disease and Plant Pathology Trends in the Urban Forest."

Marisue Pickering, associate vice president for Academic Affairs and professor of speech communication, has been appointed an advisory member of the newly formed Women's Studies Research Centre at the University of Hong Kong. The Centre opened in October.

Eugene Del Vecchio, associate dean of the Graduate School and associate professor of Spanish, attended the annual Council of Graduate Schools Meeting in Washington, D.C., Dec. 6-9.

Professor **Merrill Elias**, Department of Psychology, gave a symposium: "Clinical Trials, Anti-hypertensive Drugs, and Quality of Life Outcomes," at the Epidemiology Seminar Series, Boston University, School of Public Health, Nov. 2.

James Bird, head, science and engineering center, Fogler Library, presented a poster session: "Authorship Patterns in Marine Mammal Science: Can They Tell Us Something About the Profession?" at the Eleventh Biennial Conference on the Biology of Marine Mammals, Dec. 14-18, Orlando.

Howard Segal, professor of history, presented a paper: "The Cultural Contradictions of American High Tech: Historical Perspectives," and organized the session: "High Tech in Historical Perspective: France and the United States," at a meeting of the American Historical Association in Atlanta, Jan. 7.

Phillip deMaynadier, graduate student in wildlife ecology, was appointed to a research associate position in the Department of Wildlife Ecology and will be working in collaboration with **Malcolm Hunter** and **Robert Seymour** on a book: *Ecological Forestry on Private Lands*. He also presented a paper: "Amphibian Conservation in the Working Forest," at the Biodiversity in the Working Forest Workshop, University of Maine, Dec. 12.

Carol Foss, graduate student in wildlife ecology, received the New Hampshire Fish and Game Department and University of New Hampshire Cooperative Extension 1995 Wildlife Stewardship Award. Foss also received the General Federation of Women's Clubs-New Hampshire 1995 Centennial Conservation Award.

Alan White, associate professor, Department of Forest Ecosystem Science, has received a Bullard Fellowship from Harvard University to spend his sabbatical this year at the Harvard Forest in Petersham, Mass. While there, White is pursuing research in the areas of forest stand dynamics and land use history.

Kathleen Lignell, Sea Grant communications coordinator and instructor in English, presented a paper: "The Function of Dismemberment and Defilement in Contemporary Women Poets," and also chaired a panel: "H.D. and Desire," at a symposium on Women Poets of the Americas, sponsored by the American Literature Association, Dec. 14-17, Cancun.

Professor **Barry Goodell**, head, wood science and technology, presented: "Oxygen Radicals, Chelators, and Volcanoes; Their Effect on Wood," at the Swedish University of Agricultural Sciences, Upsalla, Sweden, Dec. 21.

Bruce Wiersma presented a keynote paper: "Monitoring for Ecological Assessment," with co-author Dale Burns of Wilkes University, Pennsylvania, at the First North American Workshop on Monitoring for Ecological Assessment of Terrestrial and Aquatic Ecosystems in Mexico City. The paper will be published in the proceedings. Wiersma made the presentation in Spanish.

Jeffrey Sosnaud, instructor of law, College of Business Administration, was recently re-elected to a second term as president of the Maine Association of Dispute Resolution Professionals. The Association is a non-profit, statewide organization of mediators, arbitrators, facilitators and other actively involved in the practice of Alternative Dispute Resolution (ADR). It works to enhance public and professional awareness and understanding of ADR, and to foster the competence of ADR neutrals.

Professor **William Bray**, Department of Mathematics, presented a lecture at Northwestern University Jan. 4 as part of a Special Emphasis Year in Analysis. Lecture: "Spectral Aspects of Harmonic Analysis on Symmetric Spaces."

UMaine Extramural Awards

David Handley and **James Dill** of Cooperative Extension and **John McCue**, superintendent of Highmoor Farm, have been awarded \$1,500 from the North American Strawberry Growers' Association for: "Evaluation of Strawberry Varieties for Resistance to Tarnished Bug Injury." The project will screen commercially grown strawberry varieties for resistance to tarnished plant bug injury to determine if growers can reduce or eliminate pesticide applications.

David Yarborough of Cooperative Extension and **John Smagula**, **Howard Forsythe**, **Francis Drummond** and **Paul Capiello** of Applied Ecology and Environmental Science; and **Alfred Bushway**, **Mary Ellen Camire**, and **Rodney Bushway**, Food Science and Human Nutrition, have been awarded \$206,662 from the U.S. Department of Agriculture for a project: "Lowbush Blueberry Production and Processing Technologies." Investigators will study a variety of factors associated with blueberry culture and processing.

David Batuski of the Department of Physics and Astronomy has been awarded \$60,700 from the National Science Foundation for a project: "Tracing Large-Scale Structure in the Universe." This project continues past efforts to improve knowledge of the structure of the universe by sampling light from galaxy clusters. Redshifts will be measured from 10 or more galaxies per cluster to determine each cluster's three-dimensional structure.

Esperanza Stancioff of Cooperative Extension has been awarded \$6,922 from the Maine Aquaculture Innovation Center for a project: "Achieving Water Quality Improvement through Volunteer Monitoring and Citizen Action." This project continues expansion of the volunteer water quality monitoring program from two groups in 1988 to 22 in 1995. Staff will provide organizational and technical support and training in communities and schools.

Eric Landis and **Dana Humphrey** of the Department of Civil and Environmental Engineering have been awarded \$8,660 from the Boise Cascade Corp., for a project: "Alternative Uses for Cogen Flyash." The goal of this project is to evaluate potential civil engineering applications for flyash produced at Boise Cascade's Rumford Mill. Potential uses include admixture for portland cement, low strength concrete, soil stabilizer, etc. . . . A range of possible uses which have a significant local market will be reviewed and evaluated based on technical merit, economic feasibility and potential disposal volume.

Patricia Counihan of the Career Center has been awarded grants of \$10,500 for 1994-95 and \$10,337 for 1995-96 by the U.S. Peace Corps for Peace Corps Recruitment. The Peace Corps representative will increase and maintain awareness of Peace Corps functions and opportunities for students. Informational programs will be delivered through classroom presentations, student organizational meetings and office visits.

Chet Rock of the Department of Civil and Environmental Engineering has been awarded \$11,600 from the U.S. Geological Survey for a project: "Cold Climate Performance of a Constructed Wetland." Graduate student **Meghan Oldfield** and Rock will monitor the performance of a constructed wetland system designed to treat wastewater from a dairy farm milking parlor. Measurements will be compared to a conventional wastewater lagoon to document the influence of cattails on overall system performance over varying temperature and precipitation conditions.

John Moring of the Department of Zoology has been awarded \$7,645 from the National Council of the Paper Industry for Air and Stream Improvement for a project: "Relationship between Land Use Activities and Atlantic Salmon Habitat." This award is for the preparation of a literature review on the effects of land use activities (logging, agriculture, road construction, etc. . .) on Atlantic salmon and their habitat. The principal target is Atlantic salmon in Maine, but research studies from other parts of New England, Eastern Canada and Europe will be included.

D.L. Distel of the Department of Biochemistry, Microbiology and Molecular Biology has been awarded \$150,000 from the National Science Foundation for a project: "Evolution of Autotrophic Endosymbiosis." Researchers will study the DNA of symbiotic organisms to determine how the association between hosts and symbionts evolves and leads to the development of new species. Computer analysis will be used to generate family trees which may show when organisms became associated and how their relationship has affected their development.

Deadline for withdrawing from the University at the end of the first third of the semester is Wednesday, Feb. 14, 4:30 p.m. Students who are considering withdrawal from the University should report to Dwight Rideout, dean of Student Services, Union, for information about the correct procedure. Before making a final decision, however, students are urged to explore all possible options which might help them to complete the semester.



Maine Perspective classified ads are published weekly and are free to faculty, staff and students at the University of Maine. Ads must be typewritten and include a telephone number. They will be published one week only unless otherwise specified. Send ads to: Maine Perspective Classifieds, Public Affairs. Ads must be received by 9 a.m. the Friday before they are to appear in the next week's issue.

FOR SALE

AUTOMOBILE: 1986 Honda Accord LXI, hatchback. New tires, muffler, belts, brakes, clean, excellent condition. 35mpg highway. No rust. AC, Cruise. \$2,500. Call 947-2235.

AUTOMOBILE: White, Ford Escort 1989, 2-door, 81K miles, \$1,800. Call Emine, 866-4689, after 5 p.m.

BOOKS: Norton Anthology of English Literature, volumes 1 and 2, \$20 for both. Call 827-8118 before 8 p.m.

CHINESE ARTIFACTS: Antiques, traditional-style painting, hand-made embroidery and paper-cuts, stamps, teapots, chest badges of Chairman Mao, and miscellaneous stuff. For more information, call 866-0635 after 6:30 p.m.

COMPUTER: Macintosh SE with 2 MG RAM and 20 SC HardDrive, loaded with software, includes ImageWriter II Printer. Excellent condition - great for first-time users! Only \$395. Call 942-9137 for details.

COMPUTER: 386 Tri-Star PC with 80 MB HardDrive, 4 MG RAM, CD-ROM, 8-bit sound card, 5 1/4" and 3 1/2" disk drives, VGA monitor, VGA Graphics Card and 14,400 Data Fax/Modem. Loaded with software and in excellent condition. Only \$895. Call 942-9137 for details.

HOUSE: Five-year-old Orono house 6 miles from UMaine, 1 mile from Bangor. Four wooded acres landscaped with apple trees, nut trees, organic garden and a stream. Tri-level with red cedar siding. Seven ample-sized rooms and 2 full baths, oak cabinet kitchen, living room with raised heart granite fireplace, dining room to a pressure-treated deck. Three bedrooms with master bedroom, a private full bath. Large family room on lower level with a wood stove. Insulated, heated 2-car garage. Private drilled well and circular gravel driveway. Less than a mile from Pushaw Lake on outer Essex Street. Call for a showing, 942-2945. Priced at \$122,900.

REFRIGERATOR: White GE 11 cu ft, 24"x24"x55" high (apartment size). Excellent condition. \$125. 827-4582.

STOVE: Hotpoint stove in good working condition. Black with stainless top, grill and griddle inserts. \$115. Call 884-8493.

FOR RENT

APARTMENT: One-bedroom in excellent condition in quiet Orono neighborhood. Living room, full bath and modern kitchen, range/stove, refrigerator, W/D, off-street parking, snow plowing, half-mile from campus. \$480/month includes utilities. Available Feb. 1. Reference/security required. Non-smokers only. Call evenings, 866-5983.

APARTMENT: One-bedroom, second floor apartment in quiet Orono neighborhood. \$340/month includes heat, water and sewer. No pets. Smoke-free. Call 866-7152.

APARTMENTS: Studio, 1, 2, & 3 bedrooms. Heated, fireplace, parquet floors, deposit, lease. No pets. From \$385 per month. Call 947-6367.

APARTMENT: 11 Michael Street, 1 mile from campus on large picturesque lot by Stillwater River, very clean, 2 bedrooms, 2nd floor, unfurnished, washer/dryer, w/s paid, \$400/month. 989-3048.

SERVICES

EDITOR/WRITER: Professional, efficient, reasonable. MLA, APA & Chicago Manuals of Style. Fifteen years of experience. Call Kay, 338-6468.

FINANCIAL SERVICES AND RETIREMENT PLANNING: Jane Campbell Brann, VALIC Retirement Plan specialist, is available for individual or group assistance at the University every Tuesday or by appointment. Call 800-448-2542, x259.

NOTARY: For University business, call x2188 to schedule appointment. For personal business, call 989-3433 for appointment.

TYPING: Course papers, forms, resumes, lecture tape transcriptions. APA format. Use computer/word processors, for instructors and students. Very convenient, near UMaine. Reasonable rates. Reliable. Call Diane, 866-4677.

UPHOLSTERY: Need furniture upholstered? New window treatments? Affordable prices. Call 848-5373.

WANTED

HOUSE TO RENT: Faculty couple seeks modern, quiet unfurnished 3BR house in excellent condition near Orono to rent from September '96. Prefer house with large, dry and heated storage space (i.e. basement) and double garage. Long-term contract possible. Call 581-2167 or 866-4251 evenings.

Positions Available

The qualifications within the listings below are greatly abbreviated. In order to assess your background relative to the job and to submit the most effective application, contact the hiring department for more complete information.

To appear in the Maine Perspective, advertisements must be submitted to the Office of Equal Opportunity, 318 Alumni Hall, no later than noon on Wednesday. Guidelines for filling professional positions are available by contacting the Office of Equal Opportunity, x1226. A Request to Fill form must be approved before posting in Maine Perspective.

Research Assistant, Water Research Institute Program, Environmental Chemistry Laboratory. Full-time position contingent on extramural funding. Qualifications: Required: B.A./B.S. in chemistry, environmental science or engineering. Strong analytical and laboratory skills in organic and metals chemistry, combined with the ability to work independently and creatively. Experience with EPA organic extraction methodology. Applicant must be willing to perform occasional fieldwork. Desirable: Experience with inorganic metals preparation techniques, PC's and mainframes. Salary Range: \$23,000-\$28,000. Review of Applications: Will begin 2/19/96. Contact: Therese Anderson, Water Research Institute, University of Maine, 5764 Sawyer Environmental Research Center, Orono, ME 04469-5764.

The University of Maine does not discriminate on the basis of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability or veteran status, and promotes affirmative action for women, minorities, persons with disabilities and veterans. Unless otherwise specified, the jobs are full-time and the address for the application information is: the contact person listed, department, University of Maine, Orono, ME 04469.

GRADUATE ASSISTANTSHIP: VISITORS' CENTER COORDINATOR

Responsibilities: Hire, train & schedule Visitors' Center greeters and tour guides; maintain current and appropriate literature for dissemination to the public; organize tours of the University, including tours for prospective students as well as large school groups and general campus visits; distribute visitor parking permits; and related duties as determined by the Director of Public Affairs, to whom the Coordinator reports.

Requirements: Enrollment in a graduate program at the University of Maine, with at least one previous year of graduate or undergraduate study at UMaine; excellent knowledge of and enthusiasm for the University of Maine and its various programs; previous experience working in an admissions office and/or student development/student affairs setting; excellent interpersonal and organizational skills; and should enjoy working with a diverse public.

Salary: \$8,770 - 12-month appointment, with tuition waiver, beginning on or around July 1. **Application Requirements:** Letter of application and resume listing three references to: John Diamond, Director of Public Affairs, University of Maine, 5761 Public Affairs Bldg., Orono, Maine 04469-5761. **Application Deadline:** April 1.

UNIVERSITY OF MAINE PORTLAND CENTRE

533 Congress St., Portland, Maine 04101
Tel. (207) 828-2327 Fax 207-874-9540

University Shoppe: 874-9535
Center for Community Inclusion: 874-9527
Hours: 9AM - 5PM

include the French fries served regularly because the fries are already processed and might not be made entirely from Maine potatoes.

“Because of the method involved in processing potatoes in bulk, when you order chef’s potatoes you get chef’s potatoes; they might be from anywhere and Maine potatoes might be in that mix. We are under the crunch like everybody else with our menu planning so we have to be price and quality sensitive,” explains Zawieski. We do a pretty good job of specifying we want Maine products when there is an option. UMaine is a state institution

▼ The Men's Rugby Team competed in the New England Championships after winning all five of their regular season games. The Black Bears lost 8-0 to Roger William's University in the first round game, played in Rhode Island.

Next month is National Potato Month but Zawieski didn't want to wait to celebrate the Maine Potato. She chose to highlight the staple starch in January to make sure it didn't get lost in the pile. ▲

[illegible]

Wallace Ward, Energy Conservation Coordinator, Facilities Management,
Service Building. 581-2654. wward@maine.maine.edu.

We need your completed nomination materials by Feb. 1. Please submit them to me in care of the President's Office, 200 Alumni Hall. Thank you very much for your assistance.



National Endowment for the Humanities sponsors 4- to 6-week summer seminars for K-12 school teachers. Seminars are focused on significant texts in the humanities and directed by accomplished teacher/scholars at institutions of higher education. Proposals to direct a 1997 seminar are due March 1.

National Research Council invites applications from American scientists and engineers who wish to host colleagues from the Newly Independent States of the former Soviet Union for 6-12 months of joint research in applied scientific fields. Current priority: environmental science and engineering. Deadline: March 1.

Environmental Protection Agency requests applications for 1996 research grants in nine programs: Exposure of Children to Pesticides, Analytical and Monitoring Methods, Drinking Water, Fate and Treatment of Toxics and Hazardous Wastes (all with a March 1 deadline); and Ecological Assessment, Air Quality, Environmental Statistics, High Performance Computing, and Exploratory Research, including the new

Early Career Research Awards (all with a March 15 deadline).

National Science Foundation invites applications for Methods and Models for Integrated Assessment, a special funding opportunity related to the NSF Global Change Research Program. Research to integrate multiple component systems or to improve understanding of the topical and methodological components of integrated assessment will be supported. Deadline: March 11.

Early American Industries Association grants up to \$1,000 in aid of research leading to publications, exhibitions, or audio-visual materials related to the study of early American industries in the home, shop, farm, or on the sea. Deadline: March 15.

German Academic Exchange Service makes grants enabling U.S. universities to invite German faculty members to teach for periods of one to four months. The program, designed to help fill a curricular gap or to stimulate teaching and research in the host department, is not confined to German Studies.

FOR MORE INFORMATION, CALL RESEARCH & SPONSORED PROGRAMS, X1476.

PRESIDENTIAL PUBLIC SERVICE ACHIEVEMENT AWARD

Nominations are currently being solicited for the Presidential Public Service Achievement Award, which recognizes an individual University of Maine faculty or professional staff member for distinguished public service achievement. The recipient will be announced at the Honors Convocation in the spring. A \$1,500 award is given to the honoree.

Nominations and applications will be screened by a committee of faculty and professional staff members who will make their recommendations to the President. The final selection for the award will be made by the President. Re-submission of nominations from last year is encouraged.

Nominations should be sent to: Scott Delcourt, Office of the Vice President for Research and Public Service, 201 Alumni Hall. Deadline for nominations: 5 p.m., Monday, Feb. 12.

Nomination guidelines are available from the Office of the Vice President for Research and Public Service. Questions may be directed to Scott Delcourt, x1502.

The Presidential Public Service Awards Committee members are: Steven Colburn, Michael Greenwood, David Lambert (chair), Jean Lavigne, Holly Lehnhard, Karei Lidral, Kathryn Olmstead, William Rivard, and Calvin Walker. Scott Delcourt and Suzanne Estler serve as ex-officio members.

UMAINE - UNIVERSITY OF NEW BRUNSWICK EXCHANGE PROGRAM

We are now in year one of the fourth 3-year exchange program established between the University of Maine and the University of New Brunswick. Funds are available to support UMaine faculty, professionals, and students in collaborative research, seminars, symposia, and cooperative instruction with their UNB counterparts. Faculty and professional employees are invited to submit proposals for funding in academic year 1995-96. For an application form, contact Amy Morin, x4220. For further information and submission of proposals, contact Stephen Hornsby.

Hannibal Hamlin House

Entree Menu for the week of Jan. 29-Feb. 2:

Monday - Beef Stew and BLT
Tuesday - Minestrone or Geona Italian
Wednesday - Vegetarian Pea Soup or Veggie Round Sandwich
Thursday - Lentil Soup or BLT
Friday - Fish Chowder or Toasted Tuna Sandwich

Daily sandwiches and homemade pies and pastries available

Lunch prices: \$3-\$3.50
Hours: 8:45 a.m.-3:45 p.m. Visitors welcome.

What's Ahead

BLACK HISTORY
CELEBRATION SOCIAL
February 3

MAINE YOUTH CAMPS
JOB FAIR
February 12

Maine Perspective

University of Maine
Maine Perspective
Department of Public Affairs
5761 Public Affairs
Orono, Maine 04469-5761