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Collaboration results in Web site for parents

It's been a long night. Your preteen went to bed agonizing about peer pressure. Your preschooler was up until midnight with bad dreams. And now, in the pre-dawn hours, you're wishing for help with what seems like a plethora of parenting problems.

Now a 24-hour lifeline in the form of the latest parenting information is available through a collaboration between the University of Maine's Children's Center and the Employee Assistance Program (EAP). With \$1,400 grant from the state Department of Human Services, a new Web site focused on parenting has been developed.

The site, accessible off EAP's homepage (www.umaine.edu/eap), is a comprehensive compilation of Internet links to the latest research-based information published on the Web concerning parenting children newborn to teens. Also available are links to leading Web sites devoted to information on prenatal care.

For anyone without access to the Internet, paper copies of information can be requested by calling 581-4014, or toll free, 877-EAP-3315.

"The funding was for promoting parent involvement and education," says Children's Center Director Gary Quimby. The Web site is a way to reach the largest number of families, he says.

Family-related problems, including issues with children, account for 12 percent of the cases EAP addresses in the University community, says EAP Director Polly Karris. However, the Web-based resources on the parenting site don't replace advice from healthcare providers or counselors.

"We are adding high-quality educational information, including answers to most-asked questions, to help decrease parents' anxiety and concerns, and to alert them to when they should be consulting others," says Karris. "When an issue arises at 2 a.m., parents can begin to find answers rather than waiting to make an appointment with us."

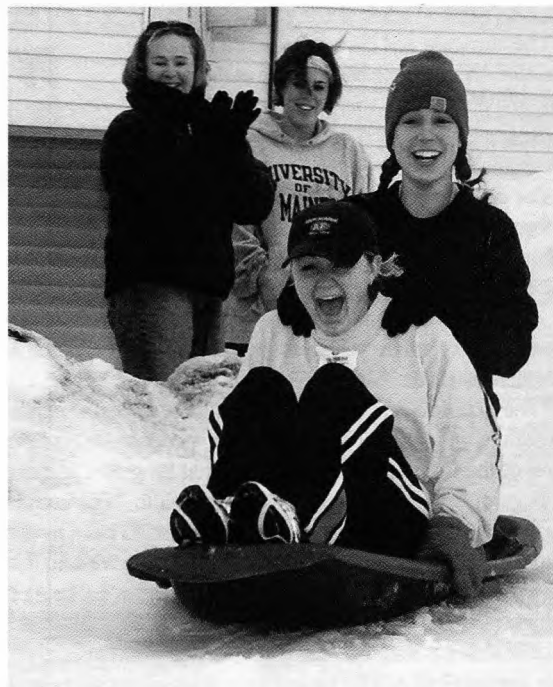
EAP appointments, which are strictly confidential, include assessment and up to six free sessions for UMaine employees and their families. Fourteen percent of the UMaine community uses EAP services; the national average is 5 percent.

The Web site was created by Terri Morin, a 1998 UMaine graduate in journalism who now teaches at Mount View Junior High in Thorndike. Morin also is the mother of a 16-month-old.

Weekly, Morin updates the list of links, posting the best and most recommended. They include favorite links and particular topics suggested by members of the University community.

The goal is to eventually offer resources on developmental issues throughout the lifecycle.

"It can be frustrating for parents searching the Internet for information on a certain topic," says Morin. "This way, while they're at work, I can look up the best information on the Web and have it ready for them when they need it." ▲



Helen Smart, seated in the front of the sled, a fourth-year psychology student from Millinocket, and her co-pilot, second-year student Amy Lambert-Fagen of Dover-Foxcroft, were among the more than 1,200 students who participated in Winter Carnival activities last month. Twenty-two student groups competed in the snow sculpture contest, just one of the many outdoor and indoor activities held during the week-long event. The University community is now marking its calendar for Spring Fling, April 1-8, a campuswide event also coordinated by the Campus Activities Board of the Center for Students and Community Life.

Photo by Matt Hakola

www.GoBlackBears.com

The UMaine Department of Athletics has a new, improved Web site (www.GoBlackBears.com).

The site features expanded news about UMaine's 20 varsity sports, plus information such as the University's athletics history. Now Black Bear fans around the world can get the latest sports results, team information, schedules, Internet broadcasts of games and interactive polls.

The site was designed by New Hampshire-based SportDesigns.com, which has created Web sites for the University of New Hampshire and Hockey East. ▲

In Perspective

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



International experience critical for faculty and students

The curricula and climate required to internationalize the UMaine campus are at the heart of ongoing discussions this semester by the Provost's Commission on International Programs.

The commission is one of five established by Robert Kennedy, vice president for academic affairs and provost, to address aspects of the University "that will reinforce and provide in-depth guidance concerning how (policies and actions) should be implemented." The commissions are at work while the University's five-year strategic plan is being redrafted and finalized this semester.

"The dialogue is about how one might provide the depth and breadth of an international curricular experience," says Eric Brucker, chair of the Commission on International Programs and dean of the College of Business, Public Policy and Health. "For instance, our discussion has included the need for students to have in-depth rather than superficial cultural understanding. Many have said that such depth can be achieved not simply by reading but by being in other cultures."

"For students and faculty, broad international experience is critical. The commission will be having long discussions about how to encourage more student and faculty exchanges. The internationalization of a college campus starts with the faculty. Global experience is an important part of faculty development."

The University of Maine is behind most other land grants in terms of the integration of international awareness across the curriculum, says Diana Lawson, a commission member and associate dean in the College of Business, Public Policy and Health. In UMaine's efforts to step up its globalization, one of the first questions to be answered is



STRATEGIC PLAN 2000-2005

whether all students should be expected to achieve similar levels of international experience, or whether there should be "a spectrum of international experience" in which students, as well as faculty and staff, can be involved.

"We have students who have never been out of the state," says Lawson. "It's probably unreasonable

to expect them to spend a semester out of the country, but they should be exposed to other cultures and environments closer to home. We should plant the seed for global awareness and cultural understanding."

Enhancing the international climate on campus overarches all discussions of globalizing UMaine. "The focus is on the University community's receptivity to difference," says Brucker. "That gets to what will encourage international students to come here and thrive, and how all our students can feel comfortable. The more students of different cultures are together, the better support they'll feel and the more progress the University will make toward globalization."

What the University is already doing related to international programming must be assessed, including tracking students with specializations in languages or international affairs, and those involved in study abroad, says Lawson. It also is important to know how much international experience and knowledge students have coming into UMaine.

As part of the University's globalization efforts, it will be critical to build better bridges to K-12 students and their teachers, agree Brucker and Lawson. "Providing resources, including curricular materials, so teachers can bring more international education into their classes means those students will have some global awareness when they come to college," Lawson says.

No matter what globalization initiatives are implemented on campus, measurable outcomes will be needed so that any initiatives

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Fogler Library now offers data mapping service

The benefits of combining maps with data sets are more attainable for UMaine students and faculty as a result of a new service at Fogler Library. With support from a \$4,900 grant from the Bird and Bird Instructional Development Fund, the library has established the GeoScan Service to analyze numeric data, and create and print large color maps. Users can take advantage of electronic databases on file in the library and over the Internet.

Frank Wihbey, head of the government documents department, secured funding for GeoScan and provides instruction on its use. "People who want to use it need to know what types of data they want to map. We can help them search for it, but they need to have a clear idea of what they need, and it's helpful if they already have some knowledge of how to use ArcView," says Wihbey.

ArcView is one of the software packages purchased with the system. It enables a user to combine map files with data and print the result. In addition to ArcView, the GeoScan Service includes TopoUSA and 3-D Topo Quads for Maine from DeLorme Inc. in Yarmouth.

GeoScan includes a digital tablet and a large format color plotter. More than 4,300 data sets are available, most of them containing socio-economic information on population, income, crime, health, election results and other subjects.

"GeoScan is the result of a long-standing drive in the library for a facility like this for use by the whole campus," says Wihbey.

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MAINE PERSPECTIVE PUBLISHING SCHEDULE

Publication dates and deadlines for spring issues of *Maine Perspective*:
March 26 (copy deadline March 9); April 9 (copy deadline March 30);
April 23 (copy deadline April 13); May 7 (copy deadline April 27).

MAINE Perspective

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Calendar

<http://calendar.umaine.edu>

MARCH 9 - 29

9 Friday

Performance by Troika Ranch Theater Company, featuring artistic directors Mark Coniglio and Dawn Stoppiello, part of the New England Regional American Dance Festival and the Teaching and Technology Fellowship Speakers Series of Academic Computing Advisory Committee and the Center for Teaching Excellence, 9 a.m., March 9, Hutchins Concert Hall, Maine Center for the Arts. x3472.

"Indirect and Direct Effects of Heterogeneity on Alga Recruitment," by Ladd Johnson, Departement de Biologie, Universite Laval, part of the School of Marine Sciences Seminar Series, 11-noon, March 9, 100 Bryand Global Sciences Center. x4381.

"Direct Uptake of Particulate and Dissolved Organic Matter from Seawater by the Japanese Spiny Lobster (*Panulirus japonicus*) Phyllosoma Larvae," by Juan Carlos Souza, part of the Graduate Student Seminar Series in Animal Science, co-sponsored by the School of Marine Sciences, 1:10 p.m., March 9, 206 Rogers Hall. x2768.

Adjudication Dance Concert, part of the New England Regional American College Dance Festival, 1:30 p.m., March 9, Hauck Auditorium. x4070.

"Desert Pools in the Rain Forest: Risk-spreading and Risk-sensitive Oviposition in a Neotropical Frog," by Peter Murphy, Southern Illinois University, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., March 9, 102 Murray Hall. x2970.

International Coffee Hour, offered by the International Student Association and the Office of International Programs, 4-5 p.m., March 9, Bangor Lounge, Union. x2905.

Spring Break Begins, 5 p.m., March 9.

Faculty Dance Concert, part of the New England Regional American College Dance Festival, 7:30 p.m., March 9, Hauck Auditorium. Admission Fee. x4070.

10 Saturday

Adjudication Dance Concert, part of the New England Regional American College Dance Festival, 10 a.m., March 10, Hauck Auditorium. x4070.

Non-Adjudicated Dance Concert, part of the New England Regional American College Dance Festival, 4 p.m., March 10, Hauck Auditorium. Admission Fee. x4070.

Gala Dance Concert, part of the New England Regional American College Dance Festival, 8 p.m., March 10, Hauck Auditorium. Admission Fee. x4070.

11 Sunday

Rock Climbing in Red Rocks and Joshua Tree, California, offered by Maine Bound, March 11-19. Admission Fee. Registration required. x1794.

12 Monday

Backcountry Skiing in Yellowstone, offered by Maine Bound, March 12-16. Admission Fee. Registration required. x1794.

13 Tuesday

"How to Make Foreign Direct Investment Work for Maine," by Richard Coyle, president of Maine International Trade Center, part of the Emerging Business Issues for Maine Series, 7:30-9 a.m., March 13, Bangor Motor Inn and Conference Center. Admission Fee. Reservations required. x1968.

Expanding Your Horizons, a daylong conference to introduce young women to opportunities in mathematics- and science-related careers, 8 a.m.-4 p.m., March 13. Admission Fee. x1508.

Professional Development Conference for Classified Employees, offered by CEAC, 8 a.m.-3:30 p.m., March 13, Wells Conference Center.

14 Wednesday

GEAR UP Program, a college awareness program in 18 school districts across Maine, 8 a.m.-3:30 p.m., March 14, Union. Admission Fee. x4092.

16 Friday

State National Honor Society Convention, 8 a.m.-4 p.m., March 16, Hauck Auditorium. x4092.

17 Saturday

Southern Whitewater Canoeing and Kayaking Trip, offered by Maine Bound, March 17-24. Admission Fee. Registration required. x1794.

18 Sunday

Mountain Biking in the Desert Southwest, offered by Maine Bound, March 18-22. Admission Fee. Registration required. x1794.

Bangor Symphony Orchestra Concert, 3 p.m., March 18, Hutchins Concert Hall. Admission Fee. 942-5555. Concert preview by David Klocko, 2 p.m., Minsky Recital Hall.

19 Monday

Bangor Symphony Orchestra Annual Youth Concerts, with performances by the Bangor Symphony Youth Orchestra and the winner of the annual Bangor Symphony Orchestra High School Concerto Competition; concerts at 9:45 a.m., 11:30 a.m. and 1:15 p.m., March 19, Hutchins Concert Hall. Admission Fee. 942-5555.

Baseball School, a week-long school, 8 a.m.-4 p.m., March 19-22, Field House. Admission Fee. x4092.

Development of a Simple Web Site with Netscape Composer, a Faculty Technology Workshop, 2:30 p.m., March 19, 108 East Annex. Registration required. x1925.

20 Tuesday

Development and Management of Your Web Site with Dreamweaver - Part I, a Faculty Technology Workshop, 2:30 p.m., March 20, 108 East Annex. Registration required. x1925.

The Number 14, presented by Axis Theater Company, part of the Maine Center for the Arts performance season, 7 p.m., March 20, Hutchins Concert Hall. Admission Fee. x1755.

21 Wednesday

President's Open Office Hour, 2-3 p.m., March 21, President's Office, Alumni Hall. x1512.

Development and Management of Your Web Site with Dreamweaver - Part II, a Faculty Technology Workshop, 2:30 p.m., March 21, 108 East Annex. Registration required. x1925.

Geographic Information Systems (GIS) for Everybody, a Fogler Library workshop, 4-5:30 p.m., March 21, Fogler Library Computer Classroom. Registration required. x1696.

22 Thursday

Family History on the Internet, a Fogler Library workshop, 3-5 p.m., March 22, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

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 <http://calendar.umaine.edu> or call 581-3745.

23 Friday

"The Power of the Media: Past, Present, Future," the 8th Annual Student Journalism Conference, 9 a.m.-3 p.m., March 23, Wells Conference Center. Admission Fee. Registration required. x1283.

Sportsmen's Show, 5-9 p.m., March 23, Field House. Admission Fee. x4092.

24 Saturday

Sportsmen's Show, 9 a.m.-9 p.m., March 24, Field House. Admission Fee. x4092.

Don Quixote, presented by Moscow Festival Ballet, part of the Maine Center for the Arts performance season, 8 p.m., March 24, Hutchins Concert Hall. Admission Fee. x1755.

25 Sunday

Sportsmen's Show, 10 a.m.-5 p.m., March 25, Field House. Admission Fee. x4092.

26 Monday

Classes Resume, 8 a.m., March 26.

"Amphibian Monitoring in National Parks: Methodology and Detectability Issues," by Robin Jung, USGS Patuxent Wildlife Research Center, Laurel, Md., part of the Wildlife Ecology Noontime Seminar Series, noon, March 26, 204 Nutting Hall. x2862.

Free Tax Assistance from VITA, 2-5 p.m., March 26, 117 Corbett Business Building. x1982.

FrontPage II, a Fogler Library workshop, 2-4 p.m., March 26, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

27 Tuesday

Access Introduction, an IT workshop, 9-10:50 a.m., March 27, 215 Little Hall. Registration required. x1638.

Effective communication workshop

Effective Communication at Work is the subject of a daylong workshop Friday, March 30 at Colby College. The workshop is sponsored by the Maine chapter of the national Network of Women Leaders. Among the presenters on the program are Phyllis Brazee and Barbara Blazej of UMaine's Peace Studies Program, who will lead a break-out session on "Conflict Transformation: The Courage to Care." Members of the workshop planning committee are Wendy Eckert, Academic Affairs, and Devon Storman and Ethel Hill of the Division of Lifelong Learning.

Ongoing Events

Exhibits/Demonstrations/Tours

Antonyms: Department of Art Faculty Exhibition, a Museum of Art exhibit, through March 24, Carnegie Hall. x3255.

Ustamdan Ogrendim, "I Learned From My Master": Traditional Turkish Occupations, a Hudson Museum exhibit of photographs and objects, through June 3, Maine Center for the Arts. x1901.

Entertainment

New England Regional American Dance Festival, featuring public concerts, March 8-10. x4070.

Meetings of Groups/Organizations

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

Fellowship Meal, 5:30 p.m., every Thursday, Wilson Center. 866-4227.

Food for Thought Series, the first Wednesday of each month, noon-1 p.m., FFA Room, Union. x1392.

Foreign Language Tables, Monday - French; Tuesday - Russian; Wednesday - German; Thursday - Spanish; Friday - Irish, 207 Little Hall. x2073.

Gay/Lesbian/Bisexual/Transgender/Questioning Discussion Group, meets every Monday, 6 p.m., Old Town Room, Union. x1793.

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

Maine Peace Action Committee (MPAC), meets every Monday, 3:30-5 p.m., Maples Building.

Muslim Prayer, noon-2 p.m., every Friday, Drummond Chapel, Union. x1793.

Wednesday Prayer and Meditation, 1-2 p.m., offered by the Wilson Center, Drummond Chapel, Union. 866-4227.

PhotoShop II, a Fogler Library workshop, 10 a.m.-noon, March 27, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

HIV Testing by Eastern Maine AIDS Network, sponsored by Student Health Services, 11 a.m.-4 p.m., March 27, Cutler Health Center. Appointments required. x4179.

VALIC Group Meeting for Employees, by Jane Brann, retirement planning specialist, 11 a.m.-3 p.m., March 27, 220 Corbett Hall.

"Mary Surratt and the Assassination of Abraham Lincoln," by Elizabeth Leonard, associate professor of history and director of women's studies, Colby College, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., March 27, Bangor Lounge, Union. x1228.

"Gender Apocalypse - An End of Finalities," a lecture/performance/reading by third-wave performance artist, writer and activist Nomy Lamm, part of the Women's History Celebration, 7:30 p.m., March 27, 101 Neville Hall. x1228.

28 Wednesday

Basic HTML, a Fogler Library workshop, 9-11 a.m., March 28, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

Women's History Celebration Open House and Book Fair, 11 a.m.-4 p.m., March 28, 101 Fernald Hall. x1228.

"A Conversation with James McBride," author of this year's class book, part of the Socialist and Marxist Studies Luncheon Series, 12:30-1:45 p.m., March 28, Bangor Lounge, Union. x3860.

"A Sense of Place: Work and Community in Rural Maine," a graduate student symposium with Mary Ellen Barnes, "Holding Their Ground: The Persistence of Rural Families in an Industrializing Nation"; Katherine Hoving, "'Fast Rooted in Our Soil': Persistence in Maine's Swedish Colony, 1870-1920"; and Brian Payne, "Farmers at Sea: Agrarian Imagery in Maine's 19th Century Maritime Material

Culture," part of the Department of History Symposia Series, 3:15 p.m., March 28, 100 Neville Hall. x1908.

Faculty Senate Meeting, 3:15 p.m., March 28, Mahogany Room, Wells Conference Center. x1167.

Daughters of the Dust, video preceded by lecture by Laura Lindenfeld, part of the Women's History Celebration, 5-8 p.m., March 28, 105 Corbett Business Building. x1228.

"Children's Friendship Experiences: Relations to Psychological Adjustment," by Cynthia Erdley, a Department of Communication Sciences and Disorders Colloquium, 5:15-6:30 p.m., March 28, 117 Corbett Business Building. x2006.

Some Mother's Son, part of the Cinematique Film Series, 7-9 p.m., March 28, Devino Auditorium, Corbett Business Building. Admission Fee. x1793.

Much Ado About Nothing, performed by Aquila Theatre Company of London, part of the Maine Center for the Arts performance season, 7 p.m., March 28, Hutchins Concert Hall. Admission Fee. x1755.

29 Thursday

Family History on the Internet, a Fogler Library workshop, 10 a.m.-noon, March 29, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

Women's History Celebration Open House and Book Fair, 11 a.m.-4 p.m., March 29, 101 Fernald Hall. x1228.

"New Media," a lecture by Jay David Bolter, co-director of the New Media Center, Georgia Institute of Technology, part of the Teaching and Technology Fellowship Speakers Series, offered by Academic computing Advisory Committee and the Center for Teaching Excellence, 3 p.m., March 29, Soderberg Center, Jenness Hall. x3472.

"Re-vision: Feminist Research in Art History," featuring three art history students presenting their original research, with commentary by Michael Grillo, part of the Women's History Celebration, 4 p.m., March 29, Bangor Lounge, Union. x1228.

Poetry Reading by Bernadette Mayer, part of the New Writing Series, 4:30 p.m., March 29, Soderberg Center, Jenness Hall. x3822.

Is Feminism Dead? part of the Peace and Justice Film Series and Women's History Celebration, 7 p.m., March 29, 100 Neville Hall. x3860.

They're Playing Our Song, a musical comedy starring Cindy Williams, part of the Maine Center for the Arts performance season, 7 p.m., March 29, Hutchins Concert Hall. Admission Fee. x1755.

University Singers hitting the road for annual New England tour

Seventy members of the University Singers will devote a week of their spring break to performances and student recruitment efforts as part of their annual New England tour, March 19-25.

The singers, under the direction of Professor of Music Dennis Cox, will give four high school assemblies and an evening concert in five Maine communities before hitting the road for New Hampshire and Vermont.

This year's tour will culminate in Montreal, where the students will give an informal performance at Notre Dame Cathedral. By the time they perform in one of the largest cathedrals in North America, the singers will have given 15 performances in five days.

"For the students, this is an opportunity to repeat in different contexts the performance of materials they have learned," Cox says. "Like athlete teams performing in a tournament, the University Singers on tour become an even better professional performing ensemble."

In addition, University Singers tours have a history of recruiting prospective students to UMaine. The group has been touring regionally for more than 30 years.

On the tour program is the performance of *Holocaust Cantata* by Donald McCullough. The cantata is based on the stories and music of the concentration camps. McCullough, music director of the Master Chorale of Washington, spent a year researching the archives of the U.S. Holocaust Memorial Museum.

The 117 songs written in captivity by Polish composer Jozef Kropinski, and the 35 song texts and 52 poems by another Polish prisoner, Kazimierz Wojtowicz, form the basis of the work, which premiered at the Kennedy Center in 1998.

UMaine's performance of the cantata during evening concerts on the tour will include a narrator and soloists.

Another highlight of the repertoire is *Voyager's Promise*, by Judith (Labbee) Pancoast, a Singers alumna who graduated from UMaine in 1983. ▲

Eighth annual high school journalism conference March 23

"Power of the Media: Past, Present and Future" is the theme for the eighth annual student journalism conference March 23 on campus.

More than 200 high school students and their teachers from across the state will attend sessions led by professional journalists on topics such as news, feature, sports and editorial writing, layout and design, interviewing, photography and ethics.

Robert Klose of Orono, author and writer for the *Christian Science Monitor*, will be the keynote speaker.

"Students are energized by the open exchange of ideas and experiences with their peers from other schools, and with professional and college journalists," said Kathryn Olmstead, associate professor of journalism and director of the Maine Center for Student Journalism, which sponsors the conference. "This year's conference will include new sessions on the role of the student newspaper, power and responsibility and 'Does the press make a difference?'"

The conference will conclude with awards to winners in the 2001 Student Newspaper Contest. Individual student journalists will be recognized in the categories of news writing, editorial and opinion writing, review writing, sports writing, feature writing, photography, and page layout and design. ▲

Look Who's On Campus

A lecture/demonstration will be presented by **TROIKA RANCH THEATER COMPANY** as part of the New England Regional American College Dance Festival at 9 a.m., Friday, March 9, Hutchins Concert Hall. New York-based Troika Ranch was established in 1993 by artistic Directors Mark Coniglio and Dawn Stoppiello. The company's productions combine robotic technology and dance choreography. Its mission is to create vibrant dance performances that dramatically address the contemporary urban landscape through the integration of dance, music, theater and interactive technology.

This year's class book author **JAMES MCBRIDE** will be on campus Wednesday, March 28. He will be part of "A Conversation with James McBride" at 12:30 p.m., Bangor Lounge, Union. He also will have a book-signing at 2:15 p.m., followed at 4 p.m. by a public presentation. During his UMaine visit, McBride will talk with faculty and graduate teaching assistants, and students in the Distance Education Class Book Community program. This year's class book is *The Color of Water: A Black Man's Tribute to His White Mother*, an autobiographical account that was on the *New York Times* Bestseller List for two years. It has been translated into 10 languages. McBride is a former staff writer for the *Washington Post*, *People Magazine* and *Boston Globe*. He also is a jazz musician and award-winning composer. In collaboration with Quincy Jones, McBride's latest writing project is *Q: The Autobiography of Quincy Jones*.

JAY DAVID BOLTER, co-director of the New Media Center at Georgia Institute of Technology, will lecture on New Media at 3 p.m., Thursday, March 29, Soderberg Center, Jenness Hall. Bolter is the Wesley Professor of New Media in the School of Literature, Communications, and Culture at the Georgia Institute of Technology. Bolter is the author of *Turing's Man: Western Culture in the Computer Age*. His latest book, *Remediation*, written in collaboration with Richard Grusin, explores the ways in which new digital media borrow from and seek to rival such early forms of media as television, film and print.

Teen girls to expand their horizons in math, science, technology at UMaine

More than 450 seventh and eighth grade girls and their teachers from schools as far away as Biddeford will participate in the daylong Expanding Your Horizons in Science and Mathematics Conference on campus March 13, sponsored by the Women's Resource Center.

Workshops for the girls will be led by 60 women with careers in math and science. Topics will range from Web design to food and nutrition. Campus tours will include such facilities as the Mitchell Center for Environmental and Watershed Research.

Anja Whittington, a forestry alumna now pursuing graduate work in science education, will give a keynote address. ▲

Professional Development Conference for Classified Employees

A one-day workshop for all classified employees is scheduled for Tuesday, March 13 from 8 a.m.-3:30 p.m. at the Wells Conference Center. Sponsored by the Classified Employees Advisory Council (CEAC), the conference is designed to encourage professional development opportunities for classified employees at UMaine.

A variety of topics will be offered throughout the day, including:

- ▼ Feedback on the Myers Briggs testing with Susan Greenwood
- ▼ "The Power of Choice," guest speaker Liz Ashe from Affiliated Healthcare Systems
- ▼ "Facilities, Who We Are and What We Do," a PowerPoint presentation by Anita Wihry
- ▼ Resume Preparation with Liz Trefethen
- ▼ Free cholesterol/blood pressure checks by Cutler Health

Lunch will be provided at noon and door prizes drawn. All classified employees are entitled to release time and invited to participate in this one-day professional development opportunity.

For more information, contact Janice Gomm, x2223.

People in Perspective

Mike Hermann has always had attention to detail. A decade ago, it was found in his photography and his custom designs of high-end bicycles.

Today, it is evident in his cartography – from hiking and biking trail maps in Pennsylvania to a millennium map of the moon for *National Geographic*.

“In the last six years, I’ve been blessed to be involved with wonderful projects nationwide,” says Hermann, a geographer who specializes in digital cartography. “With Trails Illustrated (a company) in Colorado, I was there when the company was changing from traditional to digital mapmaking. I’ve done maps as an independent cartographer for *National Geographic*, as well as a series of maps of 70 national parks, including Acadia. One of my maps (of the U.S. National Park System) was used as a two-page spread in the *New York Times Magazine*.

“Now, the Historical Atlas is part of that progression of exciting projects for me.”

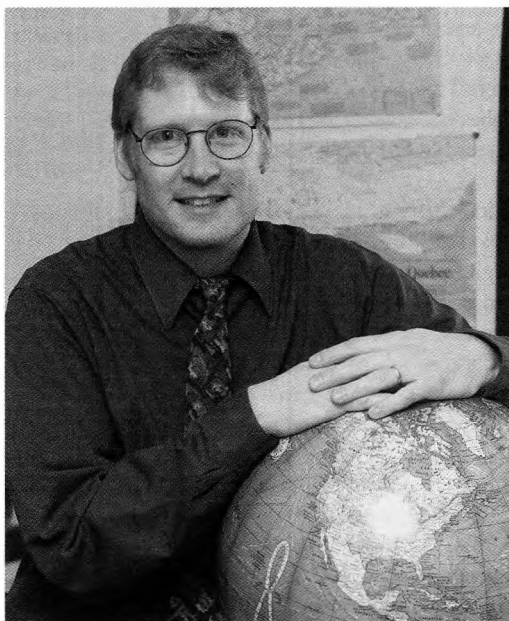
Hermann joined the University last July as a cartographer for the *Historical Atlas of Maine* project. The *Historical Atlas of Maine* is a five-year, \$1.4 million initiative to create a volume detailing the state’s culture and heritage from prehistory to the present. Hermann, who is headquartered in the Canadian-American Center, is working with UMaine scholars Richard Judd, Burt Hatlen, Stephen Hornsby and others on campus, as well as historians throughout the state.

“The *Historical Atlas of Maine* project is focused on breaking new ground and quality in cartographic visualization,” Hermann says. “The overwhelming doctrine is that the story be told through the graphics. As a designer, that’s an extremely attractive goal.”

Hermann got his training in geography at Penn State, where the Department of Geography is ranked as the top program in the U.S. by the National Research Council. Once he became involved in digital cartography, the field that was of general interest grew into a passion.

As a Penn State geographer and cartographer, Hermann has an educational background rooted in the humanities. The result is the ability to put information on demographics, culture and society on a map.

Hermann received a bachelor’s degree in 1995. His first job after graduation was in Denver where he worked with a firm for two



Mike Hermann

Photo by Monty Rand

years designing recreational trail maps. During that time, he launched his original map design and independent publishing company, Purple Lizard Publishing.

When Hermann returned to his long-time home of State College, Penn., he worked as an independent cartographer for such clients as Knight Ridder, the second-largest newspaper publisher in the United States.

In 1998, Hermann also was an outdoor recreation columnist for the *Centre Daily Times*, a daily in State College, Penn. He was working at his alma

mater as a staff geographer, GIS analyst and cartographer when he heard about UMaine’s historical atlas project.

“What interested me most were the size and scope of the atlas project,” says Hermann, who has particular interest in history and sociology. “I’ve always preferred project-based rather than contributing work. I like being part of the total production.”

The cartographic challenge Maine presents also drew Hermann to the project. “The state is one of the most difficult to represent because of the extremely complex coastline,” he says.

In the development of the historical atlas, Hermann contributes his map-making and informational design skills to translate text into images. Before the project’s completion in 2004, Hermann will interpret the research data of the more than 70 historians who are contributing to the atlas. He will visualize the text in a “cartographic landscape” and then apply that visualization to the printed page.

“It is such a challenging project,” he says. “It isn’t done with templates. Each plate is a stand-alone map that makes a point or presents an argument. This isn’t a project a single person can pull off. It represents a lot of work by many people who are pulling together as a team.”

Faces Behind the Places



James Stevens came to the University of Maine, then known as Maine State College, as professor of physics in 1891. Stevens created UMaine’s Department of Electrical Engineering in 1893, became the first dean of the College of Arts and Sciences in 1905, developed a course in biblical history literature in 1920, and was instrumental in establishing a chapter of Phi Beta Kappa on campus. He was director of UMaine’s Summer School and editor of the *University Catalog*. He received an honorary degree from the University in 1922 and retired in 1932.



Edward Winslow was a trustee of the University of Maine for 13 years, serving as its president from 1907-1911. The Westbrook native lived in Portland and was identified with many commercial and financial activities in the city. At one time, he was president of Central Wharf Towboat Co., Casco Bay Lines, Mercantile Trust Co., and Eastern Argus Publishing Co., to name a few, and director of such companies as Maine Central Railroad, Portland Terminal, New England Telephone and Telegraph, as well as the Maine Eye and Ear Infirmary and Maine School for the Deaf. He was even nominated for governor in 1896. In 1932, he received an honorary degree from UMaine.

Regional American College Dance Festival coming to UMaine

More than 300 college dance students and faculty will be at the University for the New England Regional American College Dance Festival, March 8-10.

This is the first year that UMaine has been selected to host the regional festival, featuring dance concerts, master classes and a gala event the final night. Also for the first time, UMaine dance students will perform as part of the festival.

Festival coordinator is UMaine alumna and instructor Ann Ross.

Dance students and faculty representing 22 colleges and universities throughout New England and New York, including Harvard and Columbia, will participate in the festival. People wishing to attend the festival, including the master classes, can register as "observers" by calling the Conference Services Division, 581-4092.

The public is welcome to attend the free dance concerts occurring each day in Hauck Auditorium. Adjudication concerts are scheduled for: Thursday, March 8, 7:30 p.m.; Friday, March 9, 1:30 p.m.; and Saturday, March 10, 10 a.m.

Ten works will be selected by a panel of adjudicators for performance in the Festival Gala Concert at 8 p.m., Saturday, March 10. Admission is \$5.

Other public concerts: the Faculty Concert Friday, March 9, 7:30 p.m., Hauck Auditorium; and the Non-Adjudicated Concert Saturday, March 10, 4 p.m., Minsky Recital Hall. Admission for each is \$5. Tickets for performances are available at the door.

A highlight of the festival will be a lecture/demonstration by Troika Ranch, a New York-based dance theater company whose dynamic live performances combine dance, music, theater and interactive digital media. The presentation Friday, March 9 at 9 a.m., Hutchins Concert Hall, also is free and open to the public. It is co-sponsored by UMaine's Academic Computing Advisory Committee (ACAC) and Center for Teaching Excellence as part of the Teaching and Technology Fellowship Speakers Series.

In past years, UMaine students have attended but not competed in the regional festival. This year, 13 students with minors in dance will perform. Two students, Jeremy Towle of Lincoln, a senior majoring in theater, and Alanna Hounsell of Readfield, a junior majoring in English, will be soloists performing modern dance works in the adjudicated competition. The UMaine ensemble will perform two works as part of the non-adjudicated concert.

UMaine's dance program enrolls almost 400 students a year. The interest in dance as a minor is tremendous, says Ross, with dance concerts on campus playing to full houses and students on waiting lists for classes.

Last year, UMaine dance students attended the regional competition held at Bates College.

American College Dance Festival holds its national competition every other year; the next is in 2002. ▲

Update on Hitchner Hall construction

Bids for the construction of the additions to Hitchner Hall will be received on March 15, and construction will start soon after. The contractor's work area will be fenced. Parking areas outside this area will remain available to employees. Portage Road will be closed from Sebago Road to Nutting Hall.

Pedestrian access to Hitchner Hall will only be from Portage Road at the corner of Sebago through a pedestrian gate. There will be several other emergency-only exits from the building.

Any questions should be directed to Dave Trefethen, 581-2675.

The Undergrad Experience



Christina Caparelli

Natural history

Christina Caparelli first saw the Smithsonian Institution as a high school junior on a visit to the nation's capital with her parents. It's there, she says, that she discovered her passion for museum studies – her dream job.

"I remember pulling my mother through the museums to see all I could see," says Caparelli of her first of repeat visits, especially to the Natural History Museum. "I hope to be working at the Smithsonian some day."

To make that happen, Caparelli had her sights set on an Ivy League school, but costs were prohibitive. However, as valedictorian of her high school class, UMaine offered the Lexington Township native a Top Scholar Award, a full tuition scholarship (15 credits per semester).

"I have to admit I had to warm up to the University at first," she says, "but I'm really, really happy now. The University of Maine has a lot of opportunities to offer."

Caparelli couldn't choose between the two subjects she loves most, so she is double majoring in history and anthropology. Latin American history, especially the PreColumbian cultures of Mesoamerica, are of particular interest. This summer, she hopes to do archaeological fieldwork in Belize.

"My experiences in history and anthropology here have been remarkable," says Caparelli, whose brother, Scott, is also a UMaine student, now in his first year of pre-med studies. "Two teachers in particular have made my time in the departments the best. Paula Petrik (professor of history) has taught me I can do close to anything I want if I jump through the right hoops. She's always there to comfort and to push me. With Paul Roscoe (professor of anthropology), I've never learned so much or been so challenged in a class (ANT 300). He is open to questions all the time and has allowed me to learn more than ever about the inner workings of cultural anthropology."

Caparelli, a junior with a 3.88 GPA, also is minoring in theater. What started as a part-time job as a stage hand at the Maine Center for the Arts has become a passion for learning all she can about technical theater. She takes theater courses in the School of Performing Arts, then applies her knowledge behind the scenes of professional and academic performances on campus.

Behind-the-scenes work, whether in technical theater or in museum studies, is what fascinates Caparelli. It has to do with "knowing how it all works and getting ideas across to people," she says.

Before heading off to graduate school to pursue a degree in museum studies, Caparelli plans to stay an extra half-year at UMaine. "I plan on making the best of this experience," she says. ▲

Annual AAUW book sale

The Annual Used Book Sale sponsored by the Penobscot Valley Branch of AAUW will be Saturday, April 7, 9 a.m.-3 p.m., at the Church of Universal Fellowship, Main Street, Orono. A snack bar will be available. There is no admission charge for the sale; a small fee will be charged early bird shoppers from 8-9 a.m. Proceeds benefit the chapter's educational goals, including nontraditional student scholarships and national fellowships. Donations of used books can be made by calling Sue Owen, 866-4892.

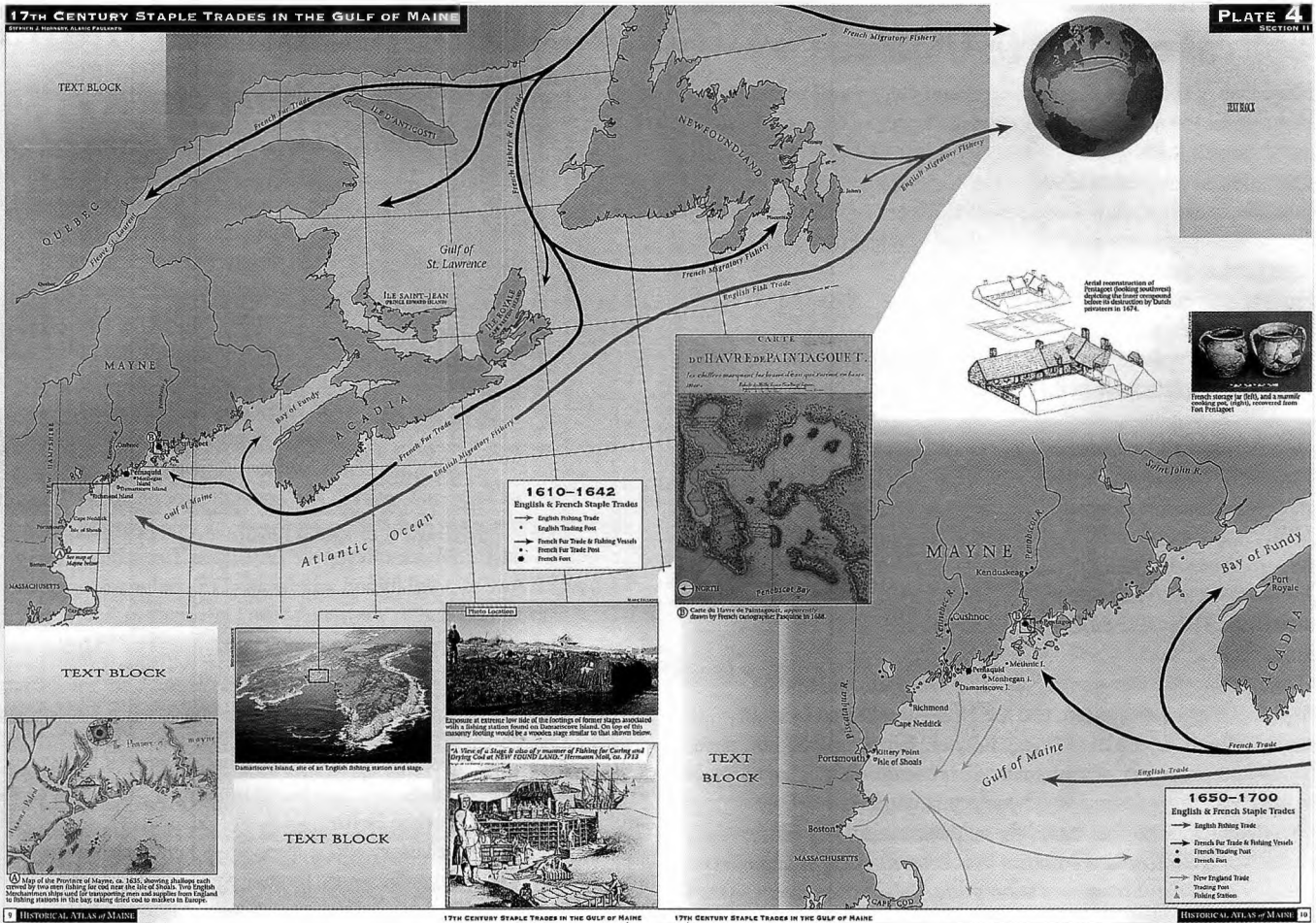


Plate 4 under development in the *Historical Atlas of Maine*.

Mapping Maine History

In the 17th century, the rocky coast of the Province of Maine was bustling with the burgeoning fur and fish trades of England and France. Ships sailed into the Gulf of Maine loaded with men and supplies, and departed for European markets with cargoes of pelts, dried cod and other natural resources.

The story of the state's 17th-century staple trades is one of many chapters in Maine's history that will find a place in a new *Historical Atlas of Maine*, now being compiled. The story is "told" using regional maps showing English and French trade routes, a 1688 map of Penobscot Bay and Fort Pentagoet, a photograph of a French storage jar and cooking pot recovered by an archaeological dig at the fort site, and a drawing of the fort as it may have looked before its destruction by the Dutch in 1674. A 1635 map of Maine shows shallow boats and two English merchantships near the Isle of Shoals, headed for coastal fishing stations. On stages at the stations, like the one depicted in a 1713 drawing, cod was cured and dried. Modern-day photographs show the site of an English fishing station on Damariscove Island.

Together, the compilation of historical and modern-day materials constitute two pages or one plate in the *Historical Atlas of Maine*. The atlas communicates history visually, using documentation created by traditional, age-old methods and contemporary, high-tech tools. The atlas depicts the state's past largely through illustration, not words. As a result, this history book, and the multi-year research project bringing it to fruition, are like no others in Maine.

"The *Historical Atlas* will be a way of defining the culture and history of the region," says Burt Hatlen, who is coordinating the project. "This will provide a perspective of Maine as the borderlands region it is. The national consciousness shaped by politics and the media has Maine belonging to the U.S. However, the cultural, ethnographic, economic and religious links to Canada, particularly Quebec and New Brunswick, are strong. Even the landscapes are similar."

"Maine is not at the end of the road in the U.S. but rather in the middle of a region. The future of Maine depends on such regional thinking."

The five-year, \$1.4 million project to develop an *Historical Atlas of Maine* has been funded, in part, by the Maine Legislature. The steering committee that oversees the project anticipates that the atlas will be published in 2004 to coincide with the 400th anniversary of Champlain's settlement in the St. Croix Valley – the start of a permanent French presence in this part of the world. The following year, 2005, marks the 200th anniversary of the deportation of the Acadians from Nova Scotia, some of whom settled in Madawaska.

The steering committee has set a goal of completing the first 40 of the 100 atlas plates by this summer. Once compiled, the atlas plates will be critiqued by graphic designers, teachers and students to ensure their "readability."

continued on page 15

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Conservation lands and rural economies

In counties across the northern U.S., conservation lands have had little effect on growth rates for local population and jobs, according to a new study published by the Maine Agricultural and Forest Experiment Station.

David Lewis, a master's student in the Department of Resource Economics and Policy, wrote the report with Andrew Plantinga, an assistant professor, formerly at UMaine and now at Oregon State University. Their findings provide a first look at the impact of conservation lands on rural economies.

The researchers focused their study on trends in counties from Maine to Minnesota between 1990-1997. Their goal was to determine if the presence of conservation lands helps or hinders local economies.

They found no evidence that conservation lands lead to drastic employment declines or to economic growth. The results suggest that economic development impacts should not be the primary factor in decisions about establishing new conservation areas, such as national or state forests or parks, and wildlife refuges, the authors conclude.

Among the seven states in the study, Maine has the smallest portion of its area in conservation at 5.4 percent, and Michigan and Minnesota have the largest at 37 percent and 33.3 percent, respectively. Altogether, state governments own about six out of every 10 of these acres. Federal ownership accounts for the rest.

"This is a good area to look at because the climate, the population and the rural economies are relatively similar across the region," says Lewis, "but the amount of land managed for conservation purposes varies a lot. That allows us to see if conservation land has an effect on migration to a county or the number of jobs."

Some counties in the study have no conservation land, while others have as much as 50 percent of their land under such management.

Lewis and Plantinga used data from U.S. Census reports and created a mathematical model to estimate the relative importance of conservation lands as a factor in population changes and job growth. Their model also considers social and economic factors that could

affect rural economic performance. Among them were unemployment, family income, education levels, recreational opportunities and public expenditures on education, police and medical needs.

They found that the presence of conservation lands had a slightly positive impact on net migration into a county but no direct effect on employment growth. However, since employment growth is directly related to migration, conservation lands indirectly increase employment, the said. In both cases, the effect was small.

Their study did not look at the ages or income levels of migrants into counties or at the composition of employment in local economies. However, they extended their analysis to consider the relative impacts of conservation lands managed for preservation and multiple-use purposes.

Policies for preservation exclude timber harvesting and hunting. National parks and some state-owned areas such as Baxter State Park in Maine, fall into that category. As multiple-use areas, national forests tend to allow both, in addition to recreational pursuits.

A turning point for national forest management occurred in the late 1980s, the report notes. Prior to that time, national forest lands tended to be managed largely for timber harvesting. During the 1980s, pursuant to federal law, national forest managers rewrote land management plans to put more emphasis on recreational and environmental values. After 1990, the new plans led to a reduction in timber harvests by more than two-thirds and a decline in clearcuts by 80 percent in national forests across the country.

Despite these trends, local employment did not drop. To explain this finding, the authors suggest two possibilities. Either conservation lands have no effect on employment, or losses in the forest products sector were offset by gains in tourism. Their analysis did not study either possibility.

The report is available from Barbara Harrity at the Experiment Station, 581-3211; harrity@maine.edu. ▲

Volunteers needed in study of cholesterol levels

UMaine food science researchers are looking for individuals to participate in a study of the effect of eating raisins on cholesterol levels. Graduate student Kristi Crowe is working on the 18-week study with Professor of Food Science and Human Nutrition Mary Ellen Camire.

They are looking for people who are at least 30 years old, have mildly high cholesterol (200 to 239 mg/dl) and are not taking any cholesterol-reducing medications.

All participants will be asked to complete a health history, a three-day food record, and additional questionnaire. They will have their blood drawn four times and consume raisins and fat-free candy twice a day for six weeks. Four health check-ups will be scheduled at Cutler Health Center. Weight and body fat also will be measured. All information will remain confidential.

Subjects will receive \$100 for their participation, along with free blood analyses and possible reduction in lipid levels. Some subjects may also lose weight.

More information is available from Crowe, 581-3581 (Kristi.Crowe@umit.maine.edu), or on the research Web site (www.ume.maine.edu/nfa/fsn/NutritionResearch.htm).

New fence installed at Ornamentals Trial Garden

A new fence at the Littlefield Ornamentals Trial Garden will protect plantings for research and educational purposes while still allowing controlled access to the public.

The 14-acre garden has served for almost 40 years as a test area for new varieties of ornamental trees, shrubs and plants. According to Reeser Manley, director of the Littlefield Garden, deer damage and minor vandalism have been ongoing problems. Plants have been eaten and trampled, and signs damaged or destroyed, he says.

The garden serves as a resource for research and student teaching, says Manley. The possibility of closing the garden on weekends was considered, but preference has been given to maintaining the tradition of dawn-to-dusk access for the public. A two-way turnstile will be installed when fencing around the garden is completed this spring.

"Fencing the Littlefield Garden is vital to protecting the plant material," says Stephen Reiling, associate director of the Maine Agricultural and Forest Experiment Station. "Deer have been destroying some of the plantings for several years. However, we know that the garden is enjoyed by people in the community, and we are committed to keeping it open daily, including evenings and weekends, for the enjoyment of the public."

A UMaine graduate student is evaluating archeological evidence in a Canadian study that could expand the number of known locations used by the earliest inhabitants of northeastern North America. Pam Dickinson of Fredericton is studying artifacts from two sites in the province to determine if they can be linked to Paleoindians who lived in the region 10,000-11,000 years ago.

"We have no confirmed Paleoindian sites in New Brunswick, but they are all around us (in other provinces)," she says. "I want to know where these people lived and how."

Dickinson's passion for archeology and prehistorical cultures raises several difficulties because she is studying in the U.S. For example, taking artifacts across the international border requires paper work, inspections and other procedures. Thus, she keeps her artifacts in Fredericton at the Archeological Services office of the provincial government. In addition, her family lives in New Brunswick.

Still, the science is worth the extra effort, she says, and in the process, she has gained an appreciation for the archeological communities in both Maine and the Maritimes.

About 20 Paleoindian sites have been confirmed in Maine; there are six in Nova Scotia and one in Prince Edward Island. The single most important artifact used to define such sites is the fluted point that has been associated with the ancient Clovis culture. Many archaeologists consider Clovis people to be the first humans to inhabit the Americas, although that conclusion is sometimes hotly debated.

Six Paleoindian points have been found in New Brunswick, but none are associated with an occupied site. It's certainly possible, Dickinson notes, that a point could have been dropped by a hunter or carried by a wounded animal. However, reaching that conclusion requires careful analysis that has not been done at each location.

In her own work, Dickinson is looking beyond fluted points to other tools that Paleoindians are thought to have used. She is carefully analyzing the shapes and production technology of tools known as scrapers to determine their similarity to artifacts found at Delbert and Belmont II in Nova Scotia, two confirmed Paleoindian sites. Her artifacts come from two sites – Bentley Street in Saint John and Jemseg in south central New Brunswick.

"I view my study as a stepping stone to other research," she says. "I won't solve the whole problem with this research, but it would be nice to identify Paleoindian components in the two sites."

After receiving her bachelor's degree in anthropology from the University of New Brunswick in 1993, Dickinson worked as a private consultant for the Archeology Branch of the provincial government.

She remembers one dig that gave her a feeling about how people might have lived in the distant past. "I don't like to camp, and we have a lot of snow and some permafrost in the province. A few years ago I worked on a winter excavation. I remember working in a tent with a heater, and it was warm enough that I was in a t-shirt, and I opened the flap of the tent to see the snow swirling around. I remember thinking that someone had been standing just like that in a structure thousands of years ago looking at a similar scene."

In 1999, Dickinson came to UMaine to pursue her master's degree. She is collaborating with David Sanger, a professor in the Department



Pam Dickinson is studying these and other stone tools from the Jemseg archeological site in south central New Brunswick.

The Paleoindians of Maine, New Brunswick

of Anthropology and the Institute for Quaternary and Climate Studies, who has worked extensively on northeastern hunter-gatherer cultures.

"My experience at the University of Maine has given me new insights into the past environments of this time period. After all, the same people lived in the region that includes Maine, New Brunswick and Nova Scotia," she says.

Careful analysis of scrapers can shed light on the evolution of Paleoindian societies. In addition to her work at Bentley Street and Jemseg, Dickinson is studying scrapers from two sites in Nova Scotia that are known to have been occupied during the Ceramic Period about 1,000 years ago. The results will help determine the differences in technology

between the two time periods.

Such studies are important to Native communities that trace their ancestry and cultural traditions to ancient peoples. Dickinson has presented information about her work to the Maliseet Advisory Committee, composed of representatives from each of the Maliseet communities in the province.

"I explained what I am doing and how it will help us to understand more about those who lived here 10,000 years ago. They were very positive about it and invited me back to give them updates. It's very important to keep this discussion open with the First Nation communities," she adds. "They may not always agree with the scientists, but they have a perspective that I respect. Their comments often add to our studies."

Dickinson plans to complete her thesis this spring. ▲

CENTER FOR TEACHING EXCELLENCE

The Center for Teaching Excellence, 212 Crossland Hall, is a resource for faculty at the University of Maine. Our mission is to promote continuing improvement in the quality of teaching and learning at UMaine.

(www.umaine.edu/teaching)

TEACHING LINKS

<http://www.princeton.edu/~aiteachs/handbook/facilitating.html>

From Princeton University, this site discusses various types of questions for facilitating discussion, discussion models, and a segment on "From Leading to Facilitating."

<http://www.crl.stanford.edu/teach/handbook/discussion.html>

Stanford University outlines how to frame questions, spotting signs of trouble, and increasing class participation.

<http://www.vanderbilt.edu/cwp/leading.htm>

"On Leading a Discussion," Vanderbilt University looks at "Barriers to Good Discussion," "Discussion Leading Skills," and "Tips for Good Discussion," among others.

<http://people.hsc.edu/faculty-staff/cdeal/faculty/discuss.htm>

This straightforward site from Hampden-Sydney College offers points for facilitating discussion, and includes roles to assign to get students participating.

James Warhola, professor of political science: the "Preface" to *Making Russian Democracy Work: Social Capital, Economic Development, and Democratization; Studies in Russian History*, Vol. 4, by Christopher Marsh (The Edwin Mellen Press, 2000):vi-ix.

Sandra Sigmon and Janice Zeman, associate professors in Psychology: "An Update on the Clinical Training Program at the University of Maine," *Behavior Therapist*, 24:4-10 (January 2001).

David Sanger, professor of anthropology and Quaternary studies: "'Red Paint People' and Other Myths of Maine Archaeology," *Maine History*, 39(3):145-167 (Fall 2000).

Ed Brazee, professor of education: "Exploratory Curriculum in the Middle School," *ERIC Digest* (December 2000).

Howard Segal, Bird and Bird Professor of History: "Eighteenth-Century American Utopianism: From the Potential to the Probable," *Utopian Studies*, Special issue on Enlightenment Utopias, 11:5-13 (2000).

Donijo Robbins, assistant professor of public administration, with Douglas Coate, Rutgers: "The Tournament Careers of Top Ranked Men and Women Tennis Professional: Are the Gentlemen More Committed than the Ladies?" *Journal of Labor Research*, 22(1):185+ (Winter 2001).

Raymond O'Connor, professor of wildlife, and **Andrew Allen**, former wildlife ecology graduate student: "Interactive Effects of Land Use and Other Factors on Regional Bird Distributions," *Journal of Biogeography*, 27:889-900 (2000).

H. Almquist, A.C. Dieffenbacher-Krall, R. Flanagan-Brown and D. Sanger: "The Holocene Record of Lake Levels of Mansell Pond, Central Maine, USA," *The Holocene*, 11:189-201 (2001).

Linda Bowe, assistant professor of education: "Transitioning Children from a Residential Center to a Public School System: A Collaborative Model," *Journal of Maine Education* (Winter 2001).

Phyllis Brazee, associate professor of education, and **Karen Johnson**, former UMaine doctoral student: "Challenging the Old Paradigm: Doing Collaborative, Intuitive Assessment," *New England Reading Association Journal*, 37(1) (2001).

Book Ends

New & Noteworthy at the University Bookstore

Between Two Fires: Intimate Writings on Life, Love, Food and Flavor by **Laura Esquivel**, **Crown (2000)**. Laura Esquivel's first novel, *Like Water for Chocolate*, won critical acclaim. With *Between Two Fires*, Esquivel continues to sustain us on levels beyond the physical. *Between Two Fires* is a collection of the best of her passionate speeches, short writings, and recipes from the last decade, most never published in English. Esquivel muses on all the topics we have come to associate with her – love, life, family and, of course, the importance of food in all aspects of the human experience.

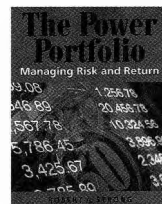
My Dream of You by **Nuala O'Faolain**, **Riverhead Books (2001)**. *My Dream of You* is the story of Kathleen de Burca, a workaholic travel writer based in London. After an absence of 30 years, she returns to Ireland to research and write about two lovers who had lived during the potato famine. In the process, she not only examines the historical past, but is forced to reconsider the family that she fled more than three decades ago. Nuala O'Faolain, author of *Are You Somebody? The Accidental Memoir of a Dublin Woman*, is a writer of exceptional insight, honesty and compassion.

Too Close to the Falls by **Catherine Gildner**, **Viking (2001)**. Welcome to the childhood of Cathy McClure, a precocious, rambunctious child of the '50s. In Lewiston, N.Y., a small town near Niagara, 4-year-old Cathy is put to work tagging along on deliveries from her father's pharmacy. She shares hilarious and moving stories of some of their more fantastic deliveries. Sleeping pills to Marilyn Monroe, in town to film *Niagara*; sedatives to Mad Bear, a violent Tuscarora chief; and fungus cream to Warty, the lonely operator of the town dump. *Too Close to the Falls* is a poignant memoir about an intrepid, unforgettable girl and her extraordinary childhood in 1950s small-town America.

Of Note: March is Women's History Month. Get 25 percent off selected titles.

V O L U M E S

Recent Works by University of Maine Authors



The Power Portfolio: Managing Risk and Return
By **Robert Strong**
(South-Western College Publishing 2000)

The Power Portfolio by expert financial advisor Robert Strong shows experienced investors how to create and manage portfolios with high-return potential, yet lower overall risk. Strong outlines how to build portfolios that support and protect investors' financial needs and goals through the balanced use of asset allocation and diversity, including equities, fixed-income securities and derivatives.

Unlike the trend in investment management to emphasize portfolio construction and to reduce the time spent on security selection, Strong focuses on what matters in the long run – asset allocation.

The Power Portfolio provides an alternative to the stereotypical approach to the principles of portfolio construction and management considered "uncomfortably quantitative" and inaccessible to some investors. The strengths of the second edition of this volume are in its application orientation and the transitions from theory to practice.

Strong is professor of finance.



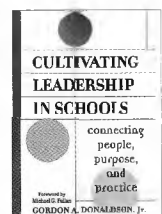
Annual Editions: Nutrition 01/02
Edited by **Dorothy Klimis-Zacas**
(McGraw-Hill/Dushkin 2001/02)

Annual Editions: Nutrition 01/02 is an anthology of the topics and controversies in the field that are based on scientific evidence. In this revolution of information technology and nutritional research, this volume is to be used as a companion to a standard nutrition text. Its role is to update, expand or emphasize topics, or explore new ones.

Seven units in the book review current knowledge and controversies in nutrition: current nutrition trends in the U.S. and throughout the world; nutrients; diet and disease through the lifespan; fat and weight control; food safety; health claims; and world hunger and malnutrition.

Klimis-Zacas, associate professor of clinical nutrition, is the editor of two other books, *Manganese in Health and Disease* and *Nutritional Concerns for Women*.

Dushkin's *Annual Editions* series are dedicated to compiling magazine, newspaper and journal articles that provide current, high-quality educational information in a broad spectrum of interest areas.



Cultivating Leadership in Schools: Connecting People, Purpose, and Practice
By **Gordon Donaldson Jr.**
(Teachers College Press, Columbia 2001)

Cultivating Leadership in Schools highlights the importance, excitement and worthwhile challenges of educational reform. Its focus is on mobilizing people for moral purpose.

The book presents a fresh model for school leadership that involves broad, new possibilities for the shared leadership necessary in high-performing schools. Included are ideas about teacher leadership and how it complements the management of principals.

Professor of Education Gordon Donaldson bases his model on relationship building, mutual moral purpose and shared belief in action. Through numerous examples, Donaldson illustrates how to work through the complexities of such concepts and make them part of day-to-day practice. He also addresses what it takes to develop, nurture and sustain leadership in educational reform.

Doug Allen, professor of philosophy, has been elected president of the Society for Asian and Comparative Philosophy. He began his two-year term as SACP president on Jan. 15. In addition, Allen has been elected to a three-year term on the national American Philosophical Association Committee on the Status of Asian and Asian-American Philosophers and Philosophies.

Max Egenhofer, director of the National Center for Geographic Information and Analysis (NCGIA), College of Engineering's Libra Professor, professor in Spatial Information Science and Engineering, and cooperating professor in Computer Science, was an invited speaker at the University of Michigan's Lecture Series "Geographic Information Science and the Disciplines" in Ann Arbor, Feb. 9. The titles of his talks were "Spatial Information Appliances" and "Spatial Reasoning."

Ethel Hill, assistant director for marketing and public relations in CED, was recently elected chair-elect of the New England region of the University Continuing Education Association.

Bob White, Ethel Hill, Doug Allen, Joel Blank, Eric Brucker and Leslie King attended the Camden Conference on Foreign Policy in Camden, Feb. 9-11. Allen, Blank, Brucker, King and **Diana Lawson** are instructors of the three-credit course offered this semester, Globalization: The Dynamic Effects on Governments, Corporations, and Societies. Registration for the course mandates full participation in the Camden Conference.

John Smagula, professor of horticulture, presented an invited talk, "Ericoid Mycorrhiza as Now Understood," with the senior author **Walter Litten**, faculty associate, at the 7th International Vaccinium Symposium in Chillan, Chile, Dec. 4-9. Smagula and Litten also presented "Correcting Lowbush Blueberry Boron Deficiency with Soil or Foliar Application." **David Yarborough**, Extension blueberry specialist and associate professor of horticulture, presented "Progress Towards the Development of a Mechanical Harvester for Wild Blueberries and Development of a Crop Estimation Technique for Wild Blueberries."

Pao-sheng Hsu of the Department of Mathematics and Statistics reported on her work in a talk, "Students' and Instructors' Different Views of the Mathematics Classroom," at a session of the Special Interest Group in Research in Undergraduate Mathematics Education of the Mathematical Association of America (MAA), at the Annual Joint Mathematics Meetings of the American Mathematical Society and the MAA, held in New Orleans, Jan. 10-13. **Joel Gold** of the Department of Psychology is the consultant for this study.

Lenard Kaye, Visiting Libra Professor in the College of Business, Public Policy and Health and the School of Social Work, was the speaker at the UMaine Business School's Emerging Business Issues for Maine breakfast series, Feb. 13, Bangor. He spoke on "There's Gold in Grey: Elders as Consumers, Employees, and Advisors." Kaye has also been appointed an honorary member of the Statewide Advisory Council of the Senior Companion Program, Cooperative Extension, University of Maine, and was named a 2001-02 National Mentor for the Hartford Geriatric Social Work Faculty Scholars Program of the Gerontological Society of America, Washington, D.C.

John Maddaus, associate professor of education, gave a presentation at Guidance Counselor Day, Jan. 19 at the Black Bear Inn, "Recruitment and Retention of Upward Bound Students at the University of Maine: Guidance Counselor Perspectives," along with **Gail Downs**, research associate with the Center for Research and Evaluation, and **Andre Grimard**, graduate student in education.

The Asociación Internacional de Estudios Galegos or International Association of Galician Studies, which was founded as the Association of Galician Studies at UMaine in 1985, has a new Web site (www.vieiros.com). Professor of Spanish **Kathleen March** was the first president, and was reelected in La Habana last spring for a three-year term. The association's VII Conference will be in Barcelona in May 2003.

John Riley, School of Marine Sciences, attended the International Triennial Conference of the World Aquaculture Society, Jan. 23-25 in Orlando, and participated in an Aquacultural Engineering Society Workshop on Intensive FinFish Systems and Technologies.



At the University's annual Scholar-Athlete Recognition Ceremony Feb. 11, 129 student-athletes were honored. Awards are given to those student-athletes who have achieved a 3.0 or better grade point average for the last two semesters, or who have an overall grade point average of 3.0 or better. Also that Sunday, the men's and women's cross country teams, and Coach Mark Lech, were honored for having the highest team grade point average. Kristi Carver of Jonesport, second from the left, a member of the volleyball team, and football/track athlete Phil McGeoghan of Feeding Hills, Mass., third from the left, were named 2000-2001 Dean Smith Award winners. The annual award, sponsored by the M Club, is given to a male and female senior student-athlete in recognition of their academic and athletic achievement, leadership and character. Carver is a landscape horticulture major; McGeoghan a marketing major. Presenting the awards were Gerald Ellis, left, chair of the selection committee, and M Club President Keith Mahaney. Photo by Larry Ayotte

Feb. 14-15, **Dan Sandweiss**, Anthropology and Quaternary & Climate Studies, was a guest of the Department of Environmental Sciences at the University of Virginia. He gave a Departmental Seminar on "Variation in Holocene El Nino Frequencies: Climate Records and Cultural Consequences in Ancient Peru," and taught a session of a joint environmental sciences/anthropology course (Climate and the History of Human Culture) on the same topic.

Timothy Riordan and Sara Lindsay of the School of Marine Sciences made the following presentation at the Society of Integrative and Comparative Biology Annual Meeting, Jan 5-7 in Chicago: "Chemically Stimulated Deposit-Feeding in the Spionid Polychaete *Polydora quadrilobata*."

Ryan Carnegie, Bruce Barber and Dan Distel, School of Marine Sciences, presented the following paper at the World Aquaculture Society Annual Meeting, Jan. 21-25 in Orlando: "Detection of the Flat Oyster (*Ostrea edulis*) Parasite *Bonamia ostreae* by Fluorescent in situ Hybridization." At the same meeting, **Aaron Maloy**, Barber and **Paul Rawson** presented the paper, "Temporal Variation in the Gametogenic Cycle of Marine Mussels, *Mytilus edulis* and *Mytilus trossulus*, in Cobscook Bay, Maine."

Peter Jumars, School of Marine Sciences, traveled to Bay St. Louis, Miss., Jan. 5-18, for a principal investigator meeting for the Office of Naval Research program on shallow-water acoustics.

Huijie Xue, School of Marine Sciences, gave an invited talk, "Toward a Forecast System for the Gulf of Maine," at the American Meteorological Society meeting in Albuquerque, Jan. 13-18.

From the School of Marine Sciences, **Susan Hayhurst, Paul Rawson, Brook VanScyoc and Afton McGowen** made the following presentation at the National Shellfisheries Association and World Aquaculture Association Triennial Conference, Jan. 20-25 in Orlando: "Life at the Edge: Potential Factors Controlling the Distribution of *Mytilus trossulus* in the Gulf of Maine." At the same conference, **Matthew Gordon** and Rawson presented "Patterns of Nucleotide and Amino Acid Variation at the Gpi Locus in the Blue Mussel, *Mytilus edulis*."

Neil Greenberg, School of Marine Sciences, participated in a halibut sex control workshop Jan. 18 at the Department of Fisheries and Oceans Laboratory, St. Andrews, New Brunswick. In addition, he attended the World Aquaculture conference in Orlando, Jan. 22-25.



Antoinette Anker, Janice Zeman and John Nicoletti in Antarctica.

The psychology of Antarctica

Life in Antarctica can be daunting: 10-hour work days, six days a week; extreme cold and dryness; isolation; and in the winter, no sunlight. Despite the challenge, about 300 people will spend the winter months there this year to maintain U.S. research facilities.

For UMaine psychologist Janice Zeman, the chance to interview some of those people was an opportunity to apply her skills in an unusual setting. She was one of three psychologists who, at the invitation of a former colleague, spent two weeks in Antarctica in January conducting psychological evaluations for the federal government at McMurdo Station and the South Pole Station. The team's findings play an important role in selecting those who will stay in Antarctica during the upcoming winter season.

Zeman joined psychologists John Nicoletti of the Denver firm Nicoletti-Flater Associates; Antoinette Anker, a forensic psychologist in the San Francisco area; and Kari Haska, administrative assistant for Nicoletti-Flater Associates. Their work was performed under a subcontract with the Raytheon Polar Services Com., which manages Antarctic operations for the National Science Foundation.

Zeman says that she generally found the people who work in Antarctica to be adventurous and adaptable, with interesting life stories. There was a common spirit of pioneering. Few of the people she interviewed were married or had children, although many polar romances have begun on the Ice, as residents call the Antarctic, and culminated in marriage in the U.S.

Most of the people interviewed by Zeman and colleagues were support staff members, including cooks, mechanics, electricians, air traffic controllers, firefighters, and even hair dressers. Each psychological evaluation consisted of questionnaires and an interview. The responses allowed the psychologists to assess the potential for the individual to have a successful over-winter experience.

"It's a very small community, and people generally seemed to be

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Campus Energy Tips

From the Sustainability Coalition

Campus energy costs are soaring, and one reason is the multiplication of computers on campus. You can help reduce this cost and also reduce the University's contribution to global warming by making sure that the energy-saving features on your computer are enabled. This is especially important for monitors. Most monitors on campus can be set to power down when not used for a specified length of time. If your screen doesn't go blank during the lunch hour, check your settings. In many cases, you should also turn your computer off overnight. The exception is if it is connected to a network that may need access to the computer during the night.

International *continued from page 2*

can stand the test of incentivized budgeting. "That won't be simple," says Brucker, "because some of what we're trying to do, like creation of a more of an international climate on campus, is not easily measured. However, there are other assessable outcomes, like certification tests in languages, and competency requirements in language courses tied into academic disciplines like business and engineering.

"We will need to determine the critical markers to building an internationalized community," Brucker says. "The hope is to increase the number of international students on campus and abroad. But how many international students should be on campus and how many of our students in study abroad will it take before we attain successful internationalization? Should languages be required and, if so, for students in what academic disciplines?"

Brucker notes that he seldom receives a phone call from a recruiter needing an accountant or an MIS (management information systems) specialist who doesn't note that "it would be a plus if the student spoke a different language than English." Such cross-cultural knowledge is as important to employers abroad and across the country as it is now to corporations in Maine.

Maine has "a core of emerging global focus," Brucker says. The state has a large bilingual Franco-American community that has been exploring international options. International initiatives include the Maine International Trade Center, and even the Camden Conference.

Nationally, Maine is fourth in the percentage of its workforce that is employed by foreign nationals, says Brucker.

"The global economy is here," says Brucker. As the state's land grant institution, it is UMaine's responsibility to prepare its students, and Maine citizens, to live increasingly internationalized lives. ▲

Fogler *continued from page 2*

"A university of this size needs a data center for this purpose."

Wihbey has established a Web site for the facility (<http://libraries.maine.edu/geoscan/>).

Wihbey has teamed up with Renate Klein of the College of Education and Human Development to instruct students in the use of GeoScan. In September, he taught a session of CHF 452, Violence in the Family. Students learned how to combine data on family violence on a per capita basis by county with a map of Maine.

In preparation for his technical assistance and teaching duties, Wihbey has attended training sessions run by ESRI Inc., the company that developed ArcView. In turn, he has conducted training sessions for library staff and demonstrated the facility for students and two Bangor television crews on GIS Day, Nov. 15.

To use the facility, students and faculty need to reserve a block of time and get a password from Wihbey. Although GeoScan is available whenever the library is open, assistance is available from Wihbey or his assistant Jeff McCooey, 8 a.m. - 5 p.m. weekdays. Wihbey plans to offer two-hour workshops on ArcView in the spring semester for the campus community.

As a government depository and a member of the Census Affiliate Network, Fogler maintains U.S. Census and other data that can provide useful resources for research and educational purposes. All of the data from the 2000 Census is expected to be available as electronic files that can be combined with maps, Wihbey adds.

In the near future, Wihbey plans to develop a GIS and numeric data interest group among students and faculty from departments across campus. Among other functions, he anticipates that such a group could identify data sets that the library could consider acquiring. ▲

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.

Assistant/Associate Professor – Oceanographer (Tenure Track), School of Marine Sciences. Review Begins: March 15. Contact: Applications should comprise a full CV, a selection of (p)reprints and statement of research and teaching goals that demonstrate commitment to interdisciplinary interests and a list of three references from whom details can be requested. Send to: Chair, Oceanographer Search Committee, School of Marine Sciences, 214 Libby Hall, The University of Maine, Orono, ME 04469-5741.

Assistant/Associate Professor in Electrical Engineering Technology (Tenure Track), School of Engineering Technology. Review Begins: March 15. Contact: Send resume with names and addresses of three references to: David Dvorak, Director, School of Engineering Technology, 5711 Boardman Hall, Room 119, The University of Maine, Orono, ME 04469-5711.

Extension Sustainable Agriculture Specialist and Assistant Professor of Sustainable Agriculture, Position #90, Cooperative Extension. Review Begins: April 2. Contact: Send letter of intent, vitae, all transcripts (copies accepted), and names, addresses and phone numbers of four references who may be contacted to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. (1-800-287-0274 in-state only; 207/581-3191; 207/581-3325-Fax; or Email sandyv@umext.maine.edu.)

Lecturer, School of Engineering Technology. Review Begins: March 15. Contact: Send resume with names and addresses of three references to: David Dvorak, Director, School of Engineering Technology, 5711 Boardman Hall, The University of Maine, Orono, ME 04469-5711.

Extension Educator, Position #78, Cooperative Extension (Reopened). Review Begins: March 26. Contact: Send a letter of intent, resume, transcripts (copies acceptable), and names, addresses and phone numbers of five current references who can be contacted to: Sandra Vaillancourt, 5741 Libby Hall, Room 103, Orono, ME 04669-5741 (1-800-287-0274 in-state only; 207/581-3191; 207/581-3325-Fax; or Email sandyv@umext.maine.edu.)

Information Systems Technology Specialist, Library. Review Began: March 2. Salary: \$30,000. Contact: Send a letter of application that cites professional experience and qualities applicable to the position, a current curriculum vitae (or resume) and the names of three professional references to: Marilyn Lutz, Director, Information Systems Planning, Raymond H. Fogler Library, The University of Maine, Orono, ME 04469-5729.

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.

Career Center Graduate Assistantship

The Career Center has an opening for a graduate assistant for the 2001-2002 academic year. Students who file the Free Application for Federal Student Aid (FAFSA) by the March 1 deadline, and who subsequently qualify for funding through the Federal Work-Study Program, are strongly urged to apply. However, all qualified applicants will be considered, regardless of financial aid status. Salary: Equal to the minimum offered to graduate students on assistantships for the coming academic year, working 20 hours per week; and tuition waiver for the academic year (up to 9 credits per semester). To apply, forward letter of application, resume, names of three references, and your social security number to Patricia Counihan, Director, Career Center, Chadbourne Hall. First consideration will be given to those applying by March 16. For more information, call the Career Center, 581-1359.

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).

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happy. Whenever we were in the Galley (cafeteria) or at the coffee-house, there was a lot of camaraderie and joviality. People are very supportive of each other and talk about the family-feel to living on the Ice," Zeman says.

McMurdo accommodates about 1,200 people during the Antarctic summer when research activity reaches its peak, and another 200 people work at the South Pole where a new facility and power plant are under construction. Population drops like the temperature during the Austral winter. About 250 people stay at McMurdo, and 50 people keep the lights on at the South Pole Station. A New Zealand station near McMurdo hosts only 11 people.

The daily routine at McMurdo focuses on work during the week, with various recreational activities scheduled for evenings. The schedule includes colorful titles such as "stitch and bitch" and "guts and butts," in addition to more routine science and history lectures, yoga and sports.

In addition to their work, Zeman, Anker and Nicoletti had time for a midnight hike in full sunlight to an observation hill behind the station, which offers a panoramic view of the ice-covered Ross Sea and Mt. Erebus, an active volcano. They also had a tour of a nearby hut built a century ago by explorer Robert Scott and his crew. The huts have been preserved in the same condition that Scott left them.

One of the highlights for Zeman was a three-hour flight to the South Pole in the cockpit of a New York Air National Guard transport plane. Conditions at the Pole are more austere, she says. Water and fuel are precious, and workers are allowed two, two-minute showers a week. Adjustment to the altitude and dryness is also an issue. The South Pole's altitude is 9,318 feet.

Accommodations at the Pole are cramped. During summer months, many people live in rooms the size of prison cells, with bathroom facilities in another building. People at the Pole often vacation at McMurdo.

While at the South Pole, Zeman stayed in the two-bed hospital.

Zeman says while she was there, two Danish men arrived after a 60-day skiing expedition. Because of NSF policy, they slept outside in their tent by the ceremonial Pole. "They were men who had routine jobs as a pilot and computer expert, but they take a few months every year to do some extreme type of adventure. There seems to be something fundamentally different about people who do this type of activity that separates them from the rest of us," she says.

People on the Ice live with a lot of uncertainty, Zeman notes. The weather can change quickly, and plans have to be set aside. They have little control over certain aspects of their lives.

"For example, when we were ready to leave, we had to wait until the weather was right and there was room on the outgoing plane. That can depend on who's coming and going, and their priority listing. VIPs, the scientists and medical emergencies are given top priority, with staff and contract workers given lower priority."

Zeman says the experience broadened her horizons and gave her a new perspective on her profession. ▲

Atlas continued from page 8

University of Maine Press will publish 3,000 hardcover and 6,000 softcover copies of the atlas. In addition to selling the volume, the press will provide one copy of the atlas to every school in the state as a way of "paying the state back for its investment in the project," Hatlen says.

Atlas data will be preserved at Fogler Library using Digital Electronic Archiving (DEA), with a Web-based interface as a user-friendly means of access. Such electronic publishing will allow ongoing revision of the atlas in future years.

The atlas is designed to interest a variety of readers. Because it is scholarly rigorous, the atlas will have a primary role in education, including use by school and college students learning about the culture and history of Maine. However, it also is expected to appeal to a popular audience.

"This is a project requiring a huge amount of time, money and commitment, but the potential is enormous," says Hornsby, director of UMaine's Canadian-American Center. "We have a strong sense of place in Maine, and this will reinforce it."

The *Historical Atlas of Maine* project began in 1998 with the formation of a steering committee at UMaine, led by Professor of English Burton Hatlen. Joining Hatlen in the initial planning process were Northeast regional and Canadian studies scholars Jacques Ferland and geographer Stephen Hornsby, environmental and Maine historian Richard Judd, Quaternary studies scientist George Jacobson, cultural and New England historian Martha McNamara, and 19th-century U.S. historian Marli Weiner.

More than 70 historians from throughout Maine are contributing their scholarship to the project. Their wide-ranging expertise provides the social, economic and demographic information that will be developed into the plates of the atlas. In addition to the social, economic, and demographic themes traditionally found in historical atlases, the Maine volume will also emphasize cultural and environmental history.

"The challenge now is to take what these scholars (on the project) know and translate it into visual terms," says Hatlen. "Most historians think in narrative terms. As an atlas requires, we now have to think spatially, cartographically."

Cartographer Mike Hermann is the translator of those words into images. Hermann was hired last July with the help of a \$160,000 allocation from the Maine Legislature in 1999. With his involvement in the atlas for the next two years, the project has entered a crucial but exciting new phase.

With the research for the first 40 plates well under way, "we can now start turning ideas and information into images that can enhance and clarify," says Hermann. "It is a creative process."

Such a visual representation of Maine will complement what many consider to be the state's leading history text, *Maine: The Pine Tree State from Prehistory to the Present*, edited by Richard Judd, Edwin Churchill and Joel Eastman.

The *Historical Atlas of Maine* is modeled after three successful historical atlases published in recent years: the *Historical Atlas of Canada*, the National Geographic Society's *Historical Atlas of the United States*, and the *Historical Atlas of New Zealand*. At the heart of such volumes is the presentation of historical information using images, such as photographs, drawings, historical maps, three-dimensional renderings, topographical and other maps, charts and graphs, and satellite imagery. Each plate in the Maine atlas will include a text box of up to 500 words, used only to explain concepts that can not easily be visualized.

Scholarship from multiple disciplines in the arts, humanities and sciences make an historical atlas comprehensive and accessible. The atlas also offers varied visual perspectives on history. Modern carto-

graphic design allows experimentation to create views of the state that have not been published before, such as the mariner's perspective of Maine from the sea, and the Native perspective of Maine from the mountains. The cartographer strives to present maps in new and exciting ways; North isn't always "up" in this atlas.

Visuals dominated by cartography provide the opportunity to "see space in historical terms," says Hatlen.

"Making yourself at home in a space is a process of defining yourself in the specifics of that place," Hatlen says. "Who has inhabited the space, what has occurred there, and how has the meaning of that space been changed? The interaction of humans in an environment creates a culture. An historical atlas is designed to help people think of the culture of a place."

For more than a year, scholars at UMaine and throughout the state have been meeting to collaborate and share expertise in compiling sections of the atlas. Many of the state's leading historians are participating, including several from throughout the University of Maine System. Contributors also include people for whom history is a passion but not their profession, such as an internist who has researched medical history.

Four plates devoted to Native people's history and sense of place are being developed by the Native communities in Maine, working in conjunction with Maureen Smith, director of UMaine's Native American Studies Program.

"I am pleased how very interested people are in this project. The more people involved, the more dimensions the atlas has," says Hatlen, who is providing research on religion in 19th-century Maine for the project. "For instance, George Jacobson's involvement meant we've been thinking in terms of geology – the land, its formation and the way humans have changed it. We went back to the bedrock in both the literal and the metaphoric senses."

The 100 plates of the *Historical Atlas of Maine* will be unified by four common themes: the interactions of humans and the natural environment; the ways diverse cultures have come together in this region to delimit and reshape one another; the opposing forces of inward-looking insularity and outward-looking cosmopolitanism; and the symbiotic relationship between urban and rural/developed and less-developed areas of the state.

The atlas is divided into five sections or chapters:

▼ "Prehistory, from formation of the continents to the first European contact," with plates devoted to such topics as "Maine under ice."

▼ "Borderlands, Maine as disputed terrain," featuring plates illustrating developments such as climate shifts, Gulf of Maine trade and transportation, colonial settlements, and Maine in war and revolution.

▼ "Shaping Maine, 1783 to the mid-19th century," including plates on territorial conflicts, patterns of land ownership, politics of statehood, economic development and family life

▼ "Maine's Industrial Era (1842-1907)," focussing on themes such as "The passing of wilderness Maine," the women of Maine, industry and agriculture.

▼ "Maine in the Modern Era (1907-present)," illustrating demographic changes, the Depression in Maine and many other topics.

Two final plates will focus on Maine in the U.S. and the world at the beginning of the 21st century.

"There are not many projects integrating the arts, humanities, and social and physical sciences as much as this one does," Hornsby says. "This project shows the depth of scholarly research available on this campus. It makes an important point about how we can contribute to the understanding of Maine and its people." ▲

National Science Foundation's Course, Curriculum, and Laboratory Improvement Program seeks to improve the quality of science, mathematics, engineering, and technological education for all undergraduate students. The program makes grants to develop educational materials, to adapt and implement exemplary materials and practices, and to disseminate nationally new content and effective educational practices. Letters of intent are due April 23. Proposal deadlines are in June.

Burrells Wellcome Fund's new Career Awards at the Scientific Interface foster the early career development of researchers with Ph.D.s in the physical, computational, or engineering sciences whose work addresses biological questions and who are dedicated to an academic research career. Awards provide up to \$538,000 to support up to two years of advanced postdoctoral training and the first three years of a faculty appointment. Deadline: May 1.

Northwestern University/University of Chicago Joint Center for Poverty Research invites proposals for research grants. Domestic Poverty and Policy Program Grants of up to \$30,000 support research on the causes and consequences of poverty and on policies to alleviate the effects of poverty and inequality in the U.S. Food Assistance

Research Grants of up to \$40,000 support studies of the interactions between food assistance programs and other welfare programs. Deadline: May 1.

U.S. Environmental Protection Agency requests applications for research that will support assessments of the consequences of global change for aquatic ecosystems and water quality. Projects of interest integrate human dimensions models and natural science models in considering consequences of changes in climate, in land-use patterns, and/or in UV radiation. Deadline: May 7.

National Institutes of Health make Academic Research Enhancement Awards to academic institutions that have not been major recipients of NIH funding. AREA support feasibility studies, pilot studies, and other small-scale, health-related research projects in the biological, physical, behavioral, mathematical, and engineering sciences. Awards provide up to \$100,000 in direct costs. Next deadline: May 25.

National Geographic Society awards grants for scientific field research and exploration. Eligible projects must have both a geographical dimension and relevance to other scientific fields. Current emphasis is on multidisciplinary projects that address environmental issues. NGS makes approximately 250 awards annually, most in the \$15,000 to \$20,000 range.

For more information, call Research & Sponsored Programs, x1476, or visit our Web site (www.orsp.umesp.maine.edu).

Presidential Research and Creative Achievement Award

2001 Presidential Research and Creative Achievement Award nominations are due March 9 in the Office of Research and Sponsored Programs, 424 Corbett Hall. The award, in the amount of \$1,500, is made to a faculty member who has attained distinction in research or creative achievement.

Each year, the Faculty Research Funds Committee makes nominations for the President's consideration, and the award is made at the Honors Convocation. Nomination forms are available from Gayle Anderson in the Office of Research and Sponsored Programs, 424 Corbett Hall, x1498, and in the Offices of Deans, as well as on the Web site for the Office of Research and Sponsored Programs (www.orsp.umesp.maine.edu).

Elizabeth A. Morris Peacemaker Award nominations

Nominations are being accepted for the Elizabeth A. Morris Peacemaker Award. This award recognizes UMaine undergraduates who have contributed their active efforts and leadership, however quietly, to the promotion of peace. Activism might include advancing social justice and non-violence, promoting conflict resolution, or protecting the environment. Nomination deadline is April 1. For more information, contact the Wilson Center, 67 College Ave., Orono; 866-4227.

Campuswide Calendar

The University of Maine Master Calendar is on the Web (<http://calendar.umaine.edu>) and on FirstClass.

UMaine-University of New Brunswick Exchange Program

Proposals are now requested for the exchange program established between the University of Maine and the University of New Brunswick. Each university contributes \$5,000 annually to support this program with the expectation that closer institutional ties will develop among those who share common interests in this international exchange.

Funds are available to support exchanges between faculty members, professional employees and student groups for collaborative research, seminars, symposia and cooperative instruction.

Faculty and Professional Employees – Proposals for funding are invited. Those wishing support for activities during the spring/summer/fall semesters (2001-2002) should submit a brief proposal describing the nature of the exchange activity, personnel involved, duration, budget and anticipated benefits. Call to request an application.

For further information and submission of proposals, contact Raymond Pelletier, Canadian-American Center, 581-4220.

What's Ahead



Geographic Information Systems for Everybody
March 21 and April 19

Classes Resume
March 26

"Gender Apocalypse – An End of Finalities"
March 27

"A Sense of Place: Work and Community in Rural Maine"
March 28

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

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