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MAINE Perspective



UMaine researchers unfurled the University of Maine flag at McMurdo Station, Antarctica in mid-November. Left to right are Zach Smith, Benjamin Cavallari, Gordon Hamilton and Paul Mayewski, all affiliated with the Institute for Quaternary and Climate Studies. The temperature was 9 degrees F with a light wind. On Nov. 16, the team flew to the Byrd Surface Camp in West Antarctica, where ice coring activities will begin. Regular updates are available on the Web (www.ume.maine.edu/USITASE/). Mt. Erebus, an active volcano, is in the background.

Report examines IT education and the economy

In recent years, business leaders in the state have called on Maine's higher education institutions to assume a leadership role in preparing a more highly skilled workforce, particularly in the rapidly growing field of information technology (IT).

How the University of Maine is helping students prepare for successful careers in the emerging information economy is the focus of a report, "The IT Job Market and IT Education at the University of Maine," by John Dorrer, deputy director of the Workforce Development Program at the National Center for Education and the Economy in Washington, D.C., and David Wihry, chair of the Department of Economics. The six-month study was commissioned by UMaine President Peter Hoff.

See second information technology-related story on page 2.

"We are in an era in which universities are being held more accountable for providing people with the kinds of skills and qualifications they need to perform in this economy," says Dorrer.

Employers are looking to universities to provide not only the technical skills needed by IT workers, but also the broad, liberal educational background that carries with it skills of critical thinking, teamwork, problem solving, and the ability to learn and adapt, adds Wihry.

The report examines patterns of demand for IT-

skilled workers and patterns of supply of IT-related educational services at the University of Maine. The initiative recognizes that preparation for work is an essential part of UMaine's mission and that the availability of suitably skilled workers is an important factor in determining the state's economic growth potential.

The study comes amid statewide concerns by Maine business leaders, educational planners, and policy-makers about the adequacy of the state's workforce to sustain future economic growth and create higher living standards. The report also is important in light of the realization that no public investments will be more important for economic growth in Maine than those made in education and training of the workforce, the authors stress.

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In Perspective

- 2 Information Technology Planning**
- 7 In Focus: Forestry Camp**
- 8 Graduate Student Profiles**

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



New report calls for strategic information technology planning

Strategic information technology planning is needed at the University of Maine, according to a new report to determine what information technology management and governance issues exist at UMaine, and how these concerns relate to technology planning and implementation on campus.

The findings of the report by Frank Paynter of Sandhill Technologies, commissioned by UMaine President Peter Hoff and released last month, concur with consultant Carl Malstrom's 1996 information technology report and the University's 1999 accreditation report.

All three cite the need for greater cooperation between technologically advanced academic areas and the two largest providers of information technology services on campus – UMaine's Information Technologies (IT) Department and the University of Maine System's UNET Technology Services, headquartered on campus.

With such collaboration and consensus building, technology strategic planning can occur, says the Paynter report, which is posted on the Web (www.ume.maine.edu/~itadmin/techreview/UMaine

TechAssessment.pdf).

"I hope we'll use this concurrence of the observations in the recent report and other reviews to form a strategic information technology planning committee," says John Gregory, director of IT. "We've never had anything like that. A lot of the technology at UMaine has been grassroots driven, and that's to be admired. But that doesn't set the institutional plan or direction for technology."

The Paynter report calls not only for a team approach to leadership in IT strategic planning, but for closing the gap between academic and administrative information technology services. According to Paynter's report, a technology strategic planning team, commissioned by the president, would be composed of representatives from each college and academic division, as well as UNET and IT.

"This is a group that needs to grapple with information technology issues on campus," says Gregory. "The committee would make recommendations for setting policy and for governance, and delegate the responsibilities for implementation."

Technology is becoming an increasingly important strategic resource for American universities, Gregory says. It is most beneficial for a university to have a strategic information technology plan closely tied to the institution's strategic plan to achieve overall goals.

"Universities must have a clear plan for campus networking and technology needs which supports the plans for new building

continued on page 14

New coalition formed to discuss effect of demographic changes on Maine seniors

A new group has formed to address program and public policy needs related to Maine's growing elderly population.

Seven Maine organizations – the Maine Rural Development Council, University of Maine Cooperative Extension, Maine Alzheimer's Association, Maine's Area Agencies on Aging, the Maine Hospital Association, Maine Housing Authority, and UMaine's Margaret Chase Smith Center for Public Policy – have formed the Coalition for a Maine Initiative on Aging (CMIA).

As a first step, CMIA plans to host five regional focus groups around the state to gather timely information about issues and needs confronting Maine's aging population, particularly in isolated rural areas of the state.

The focus groups will assess where and how the state's current services for the elderly can be strengthened and how gaps in care can be bridged or enhanced by links with other resources. In addition, the focus groups will try to identify what new resources will be needed in the future and encourage systematic, carefully considered policy initiatives that will provide long-term and sustainable solutions. Finally, the coalition will help to develop constituency in support of these initiatives.

According to Maine Alzheimer's Association Executive Director Eleanor Goldberg, the coalition "will seek to inform and educate policy and other decision makers about the short-term and, more important, long-term policy implications of Maine's shifting population demographics as they relate to our elderly citizens."

According to a recent study by the Margaret Chase Smith Center, the proportion of Maine's elderly population is expected to increase dramatically as the baby boom generation begins to turn 65 beginning in 2011. Currently, 14 percent of Maine's population is reported to be older than 65; that number is expected to increase to 21 percent by 2025.

In 1990, 50 percent of Maine's elderly lived in rural areas – twice the national average. Such significant growth in the elderly population will create significant demands on the state's service delivery infrastructure. ▲

Top 10 IT Challenges of 2000

- ▼ Funding IT
- ▼ Faculty Development, Support, Training
- ▼ Distance Education
- ▼ E-Learning Environments
- ▼ Enterprise Administrative Systems
- ▼ IT Staffing and Human Resources
- ▼ IT Strategic Planning
- ▼ Online Student Services
- ▼ Advanced Networking Challenges
- ▼ Support Services Demands

Source: "Top 10 IT Challenges of 2000" by Paul B. Gandel, *EDUCAUSE Quarterly*, 23(2):10-15 (Spring 2000). Full article on the Web (www.educause.edu/ir/library/pdf/eq/a002/eqm002a.pdf).

MAINE PERSPECTIVE PUBLISHING SCHEDULE

The last fall issue of *Maine Perspective* is Dec. 11 (deadline Nov. 29).

MAINE Perspective

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MAINE Calendar

<http://calendar.umaine.edu>

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.

DECEMBER 1 - 15

1 Friday

Swimming and Diving: Black Bear Invitational, Dec. 1, Wallace Pool. xBEAR.

"The Sion College Manuscript of the Canterbury Tales," by Christina Arrigoni Martelli, candidate for master's degree in English, 10 a.m., Dec. 1, Neville Hall.

"Fisheries and Water Resources Management of the Penobscot Indian Nation," by Clem Fay, fisheries biologist, and Dan Kushnierz, water resources manager, Penobscot Indian Nation, part of the SMS Seminar Series, 11:15 a.m.-12:30 p.m., Dec. 1, 100 Bryand Global Sciences Center. x4381.

Service in Recognition and Support of Those Affected by HIV/AIDS, part of the World AIDS Day observance, noon, Dec. 1, flagpole in front of Fogler Library. x1793.

Performance by UMaine Jazz Ensemble, part of the TGIF Music Series, noon, Dec. 1, Bangor Lounge, Union. x1793.

Biophysics Colloquium, part of the Department of Chemistry Colloquium Series, 2 p.m., Dec. 1, 316 Aubert Hall. x1169.

"Effects of Neonatal Clomipramine Treatment on Photic and Non-Photic Circadian Phase Shifting in Rats," by Suzanne Dwyer, candidate for Ph.D. in psychology, 2 p.m., Dec. 1, 350 Little Hall.

"For Want of an Epitaph: Poems and Criticism," by Wendy Blake, candidate for master's degree in English, 2 p.m., Dec. 1, 304 Neville Hall.

"Treatment of Hexavalent Chromium-Contaminated Waters Using Zero-Valent Iron Under Sulfate-Reducing Conditions," by Cynthia Henny, candidate for Ph.D. in civil and environmental engineering, 2 p.m., Dec. 1, Telecom conference room, Neville Hall.

"Magical Millennium Tour," a Planetarium show, 7 p.m., Dec. 1, Wingate Hall. Admission Fee. x1341.

Men's Hockey: UMaine vs. Northeastern, 7 p.m., Dec. 1, Alford Arena. Admission Fee. xBEAR.

2 Saturday

Mount Washington Introduction to Mountaineering, a Maine Bound course, Dec. 2-3. Preregistration required. Admission Fee. x1794.

Swimming and Diving: Black Bear Invitational, Dec. 2, Wallace Pool. xBEAR.

Foundation for the Future, the 13th Annual Beef Conference, offered by Cooperative Extension, 8 a.m.-4 p.m., Dec. 2, Ramada Inn, Bangor. Admission Fee. 834-3905.

Marathon Reading, a celebration of one of Maine's most distinguished authors with a reading of Sarah Orne Jewett's *The Country of the Pointed Firs*, 11 a.m., Dec. 2, University Club, Fogler Library. x1666.

The Nutcracker Ballet, presented by Bangor Symphony Orchestra and Robinson Ballet Company, 2 p.m., Dec. 2, Hutchins Concert Hall. Admission Fee. 942-5555.

Opera Workshop, directed by Lud Hallman, part of the School of Performing Arts season, 7:30 p.m., Dec. 2, Minsky Recital Hall. Admission Fee. x1755.

The Nutcracker Ballet, presented by Bangor Symphony Orchestra and Robinson Ballet Company, 7:30 p.m., Dec. 2, Hutchins Concert Hall. Admission Fee. 942-5555.

3 Sunday

Sea Kayak Self-Rescue Clinic, a Maine Bound course, Dec. 3, Wallace Pool. Preregistration required. Admission Fee. x1794.

"Magical Millennium Tour," a Planetarium show, 2 p.m., Dec. 3, Wingate Hall. Admission Fee. x1341.

Men's Hockey: UMaine vs. Northeastern, 2 p.m., Dec. 3, Alford Arena. Admission Fee. xBEAR.

The Nutcracker Ballet, presented by Bangor Symphony Orchestra and Robinson Ballet Company, 3 p.m., Dec. 3, Hutchins Concert Hall. Admission Fee. 942-5555.

4 Monday

Campus Planning Committee Public Hearing, to consider proposed Science and Engineering Building, 10 a.m.-noon, Dec. 4, Bangor Lounge, Union. x3198.

"Adaptive Turbo Equalization," by Ronald Bryant, candidate for master's degree in electrical engineering, 2:10 p.m., Dec. 4, 152 Barrows Hall.

Public Forum on Gender Equity Study

The Office of Equal Opportunity, in cooperation with the Provost's Office, the UMaine Chapter of AFUM, and the President's Council on Women, will hold a public forum on the recently released study of gender equity in faculty salaries in the University of Maine System.

The Forum will be held Monday, Dec. 4, 3 p.m., Bangor Lounge, Union. Members of the Joint AFUM-University Committee that conducted the study and produced the report will summarize findings and entertain questions. Next steps, including possible remedies, will be discussed. Input from UMaine faculty to members of the negotiating teams is sought.

5 Tuesday

VALIC Employee Group Meeting, with Jane Brann, VALIC retirement planning specialist, 11 a.m.-2 p.m., Dec. 5, 220 Corbett Hall.

Video: Aurora, a Jordan Planetarium Even-Odd Tuesdays program, 1 p.m., Dec. 5, Wingate Hall. x1341.

Wreath-making Workshop, led by Claire Ackroyd, offered by the Page Farm and Home Museum, 7-9 p.m., Dec. 5, Page Museum. Admission Fee. x4100.

Coffeeshouse, with acoustic musician Thomas Schmidt, 8 p.m., Dec. 5, Hilltop Commons. x1793.

6 Wednesday

"Dear Sisters and Hated Rivals: Basketball and Gender at Two 'New South' Women's Colleges, 1893-1920," by Pamela Dean, Maine Folklife Center archivist, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., Dec. 6, Bangor Lounge, Union. x1228.

Forms in Access, an Information Technologies workshop, 2:10-4 p.m., Dec. 6, 215 Little Hall. Admission Fee. Registration required. x1638.

Cinematique, an Independent Film Series, 7 p.m., Dec. 6, Devino Auditorium, Corbett Business Building. x1793.

Performance by the Oratorio Society, directed by Lud Hallman, part of the School of Performing Arts season, 7:30 p.m., Dec. 6, St. John's Episcopal Church, Bangor. Donations accepted. x4702.

7 Thursday

"Effective Advertising: How It Affects Your Spending Habits," by Robert Strong, professor of finance, part of the EAP Lunch and Learn Series, noon-1 p.m., Dec. 7, North Lown Room, Union. x4014.

A Got Math? Presentation by François Amar, part of the Got Math? Seminar Series, 12:30 p.m., Dec. 7, 119 Barrows Hall. x3901.

Interactive CD: Alcohol 101, offered by the Peer Education Program, 1-3 p.m., Dec. 7, FFA Room, Union. x1793.

"American Diplomacy in the Post-Cold War World," by Phyllis Oakley, former assistant secretary in the State Department and member of the Senior Foreign Service, offered by the William S. Cohen Center for International Policy and Commerce, 11 a.m., Dec. 7, Hauck Auditorium. x1968.

Chicago, a musical, part of the Maine Center for the Arts performance season, 7 p.m., Dec. 7, Hutchins Concert Hall. Admission Fee. x1755.

Women's Ice Hockey: UMaine vs. Wayne State, 7 p.m., Dec. 7, Alford Arena. xBEAR.

Wreath-making Workshop, led by Claire Ackroyd, offered by the Page Farm and Home Museum, 7-9 p.m., Dec. 7, Page Museum. Admission Fee. x4100.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 7, Cyrus Pavilion Theatre. Admission Fee. x1755.

8 Friday

"The Leading Edge of Sea Level Research: Marshes Remain the Key," by Daniel Belknap, Department of Geology, part of the SMS Seminar Series, 11:15 a.m.-12:30 p.m., Dec. 8, 100 Bryand Global Sciences Center. x4381.

Biophysics Colloquium, part of the Department of Chemistry Colloquium Series, 2 p.m., Dec. 8, 316 Aubert Hall. x1169.

Black Bear Battalion Annual Dining In, a formal military dinner for cadets of the Black Bear Battalion (Army ROTC) and guests, 6-10 p.m., Dec. 8, Sheraton Four Points Hotel, Bangor. x1121.

"Magical Millennium Tour," a Planetarium show, 7 p.m., Dec. 8, Wingate Hall. Admission Fee. x1341.

Old-Fashioned Christmas Party, offered by the Page Farm and Home Museum, 7 p.m., Dec. 8, Page Museum. x4100.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 8, Cyrus Pavilion Theatre. Admission Fee. x1755.

Women's Basketball: UMaine vs. Towson, 7:30 p.m., Dec. 8, Alford Arena. Admission Fee. xBEAR.

9 Saturday

6th Annual Maine Indian Basket-makers Sale and Demonstration, featuring more than 30 Maliseet, Micmac, Passamaquoddy and Penobscot basketmakers, traditional foods, storytelling, music, 10 a.m.-3 p.m., Dec. 9, Hudson Museum, Maine Center for the Arts. No admission except for early bird shopping 9-10 a.m. for a \$5 fee. x1901.

Santa Visits the University Bookstore, including photos with Santa and gift wrapping with proceeds to benefit charity, offered by Pi Kappa Alpha and the University Bookstore, 10 a.m.-3 p.m., Dec. 9, Union. x1700.

Holiday Candy Basket Workshop, a Hudson Museum Just for Kids program, 11 a.m.-noon, Dec. 9, Maine Center for the Arts. Admission Fee. Preregistration required. x1901.

Ongoing Events

Exhibits/Demonstrations/Tours

Au Claire de la Lune, exhibit of paintings by Quebec Artist Benoit Simard, through Dec. 15, Maine Center for the Arts lobby. x4220.

While the Crime Is Blazing: Paintings, Drawings and Prints, 1994-1999, works by Leon Golub, a University of Maine Museum of Art exhibit, through Dec. 16, Carnegie Hall. x3255.

Entertainment

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 7-9 and Dec. 14-16; 2 p.m., Dec. 10 and Dec. 17, Cyrus Pavilion Theatre. Admission Fee. x1755.

Meetings of Groups/Organizations

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

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. 581-1793.

Relaxation and Meditation Practice, for employees, 4:45 p.m., every Monday, (through Dec. 18), offered by EAP, Employee Assistance Program Office, 126 College Ave. Register by calling x4014.

Yoga, led by Barbara Lyons, Hatha Yoga instructor, noon-1 p.m., every Friday, through Dec. 15, offered by EAP, Dexter Lounge, Alford Arena. Register by calling x4014.

ALANA Center Holiday Party, noon, Dec. 9, ALANA Center, Hannibal Hamlin Hall. x1405.

Women's Ice Hockey: UMaine vs. Wayne State, 1 p.m., Dec. 9, Alford Arena. xBEAR.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 9, Cyrus Pavilion Theatre. Admission Fee. x1755.

10 Sunday

Kayak Rolling Pool Clinic, a Maine Bound course, Dec. 10, Wallace Pool, Gym. Admission Fee. Preregistration required. x1794.

"Magical Millennium Tour," a Planetarium show, 2 p.m., Dec. 10, Wingate Hall. Admission Fee. x1341.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 2 p.m., Dec. 10, Cyrus Pavilion Theatre. Admission Fee. x1755.

Yuletide Concert, performed by all UMaine choirs, part of the School of Performing Arts season, 2 p.m., Dec. 10, Hutchins Concert Hall. Admission Fee. x1755.

Men's Hockey: UMaine vs. Boston College, 7 p.m., Dec. 10, Alford Arena. Admission Fee. xBEAR.

11 Monday

President Hoff's Open Office Hour, 2 p.m., Dec. 11, 200 Alumni Hall. Call to confirm date. x1512.

12 Tuesday

"Maine's Pulp and Paper Industry: Current Status and Future Prospects," by Robert Rice, associate professor of wood science, part of the Emerging Business Issues Monthly Breakfast Series, 7:30-9 a.m., Dec. 12, Bangor Motor Inn and Conference Center. Admission Fee. Reservations required. x1968.

Identifying Heavenly Bodies, Planetarium staff point out the planets and constellations in the night sky, a Jordan Planetarium program, 1-1:30 p.m., Dec. 12, Wingate Hall. x1341.

Men's Basketball: UMaine vs. Boston University, 7:30 p.m., Dec. 12, Alford Arena. Admission Fee. xBEAR.

13 Wednesday

"Women Negotiating Identity: First Birth and the Crises of Body, Career and Mothering," by independent scholar Edith Pratt Elwood, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., Dec. 13, Bangor Lounge, Union. x1228.

Gloria Haley is retiring at the end of December after 23 years in the Office of Equal Opportunity. The University community is invited to a reception in Gloria's honor on Wednesday, Dec. 13, 3-4:30 p.m., University Club (Fogler Library, second floor).

Faculty Senate Meeting, 3:15 p.m., Dec. 13, Mahogany Room, Wells Conference Center. x1167.

"The International Arena at the Office of International Programs," by Karen Boucias, a Department of Communication Sciences and Disorders Colloquium, 5:15 p.m., Dec. 13, 100 Neville Hall. x2006.

Holiday Tree Lighting and President's Open House for Students, 6 p.m. tree lighting in front of Fogler Library, followed by Open House for students at the President's House until 9 p.m., Dec. 13. x1512.

Meeting of the Penobscot Valley Branch of AAUW, featuring a special holiday program by UMaine international students, 7 p.m., Dec. 13, Heritage House, 105 College Ave. 866-2881.

Dance Showcase, directed by Ann Ross, 7:30 p.m., Dec. 13, Minsky Recital Hall. Admission Fee. x1755.

14 Thursday

Men's Hockey: UMaine vs. UMass-Amherst, 7 p.m., Dec. 14, Alford Arena. Admission Fee. xBEAR.

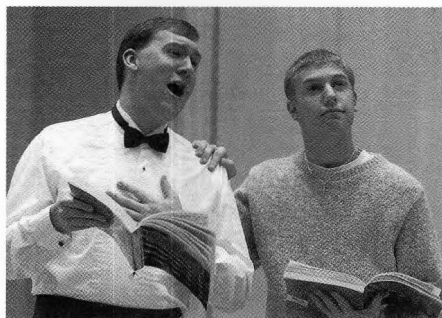
The Marriage of Bette and Boo, directed by Tom Mikotowicz, 7:30 p.m., Dec. 14, Cyrus Pavilion Theatre. Admission Fee.

15 Friday

"Ocean Color Remote Sensing in Chesapeake Bay," by Andrea Magnuson, Horn Point Laboratory, University of Maryland, part of the SMS Seminar Series, 11:15 a.m., Dec. 15, 100 Bryand Global Sciences Center. x4381.

Center Stage

School of Performing Arts



Jason Anderson and Alan Bailey Photo by Monty Rand

Opera Workshop

Opera fans will see a work in progress when 11 of UMaine's most talented singers present Act I of Mozart's *Così fan tutte* Saturday, Dec. 2 in Minsky Recital Hall.

The public performance is one of two the students will present this academic year as part of their Opera Workshop course in the School of Performing Arts. The fall performance focuses on the opera's music. The performance in March will be a fully staged performance in Cyrus Pavilion Theatre.

The Dec. 2 performance begins at 7:30 p.m.

Così fan tutte contains some of Mozart's most famous arias and ensembles. The undergraduate singers, most vocal performance majors and all of whom auditioned for the course, are using *Così fan tutte* to explore operatic repertoire.

The UMaine production will be sung in an English translation by Ruth and Thomas Martin. Directing the production is Professor of Music Lud Hallman.

Accompanist will be pianist and Associate Professor of Music Baycka Voronietsky.

Saint Nicolas at St. John's

The Oratorio Society and two children's choirs will combine their talents in a performance of the *Saint Nicolas* cantata at St. John's Episcopal Church in Bangor on Wednesday, Dec. 6.

The Benjamin Britten classic is about the life of the fourth-century bishop who became St. Nicholas, the patron saint of children. Eastern and Western churches celebrate Dec. 6 as the Feast of St. Nicholas.

The performance of *Saint Nicolas* begins at 7:30 p.m. in St. John's Episcopal Church on French Street. Donations to defray the cost of the production will be accepted.

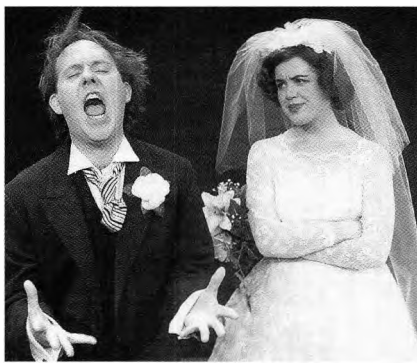
The 80-member Oratorio Society of students and community members, under the direction of Professor of Music Lud Hallman, will be joined by the Orono Community Children's Chorus, and the Boys and Girls Choirs of St. John's.

Soloists will be tenor Francis Vogt as St. Nicolas; treble Stuart Bost as Boy Nicolas; and Stuart Bost, Alexander Rose and Nigel Kass as the "Three Pickled Boys."

Instrumental accompaniment will include a string quintet, piano, percussion and organ.



Oratorio Society rehearsing in St. John's Photo by Monty Rand



Adam Kuykendall and Michelle McCann Photo by Monty Rand

The Marriage of Bette and Boo

The chaos and comedy of *The Marriage of Bette and Boo* will be dramatized by a student cast of 10.

The Christopher Durang play will be staged in Cyrus Pavilion Theatre, under the direction of Tom Mikotowicz, associate professor of theatre. Performances are at 7:30 p.m., Dec. 7-9 and Dec. 14-16, and at 2 p.m., Dec. 10 and Dec. 17.

The Marriage of Bette and Boo is Durang's most autobiographical play, with characters based on his family members. Durang wrote the one-act in 1974, then took the next decade to write the full-length, two-act play examining the chaos of his parents' marriage in hopes of making sense of it.

Durang sorts out the endless details of family history – incompatibility, alcoholism, mental instability, deadlocked marriages, death – as a way of "taming the past." He faces serious subjects with irreverent, farcical humor, not only to illustrate the absurdity of life but also to use laughter as a healing salve.

The UMaine production spans the years 1950-85, from the lead character's childhood of chaos to his search for order as an adult.



Jesse Hankla

Photo by Monty Rand

Discovering a world of opportunity

Jesse Hankla, 23, will graduate in May with a bachelor's degree in business administration. However, her first job won't be in management but in another career field she discovered at UMaine – New Media.

"When I graduate, I'll do Web work for a while," says Hankla. "The New Media field is ever-changing and I have the knowledge that I

can use now. I love the Web because it is such a creative outlet. But as the years go by, I'll go to the business side as a manager. I am definitely an entrepreneur.

"I've always been one to see potential, to take a good idea and see how to make it possible."

Hankla is a New Mexico native who grew up in Bath, Maine. She worked two years after she graduated from high school to earn money to attend college. Three years ago, she chose UMaine because of its affordability and comprehensive academic offerings.

She enrolled when her son was 1.

"I am a single parent putting myself through school," she says. "UMaine offered everything I wanted. From a good financial aid package on through the process of starting college courses, the University has been fantastic."

For Hankla, there was no question about her major. "Since I was a child, I knew I would go into business management. I'm a control freak," she says. "The Business School is great."

While her business courses satisfied a lifelong passion, it was Hankla's Work Study position across campus that gave her an opportunity to discover a new career field.

"I started working in Cooperative Extension with Sandy Vaillancourt," Hankla says. "I helped on the administrative side, which tapped into my business major. During those first two years, little by little, I also started working with Cindy Eves-Thomas (Extension graphic designer) doing Web design, and I loved it."

"At the end of last semester, I picked up a minor in New Media. For me, business and Web work come together in the self-management and communication skills both require," says Hankla, who has since encouraged her brother, Nathan, a UMaine junior, to explore New Media.

In Extension's Publications Office, Hankla was handed a couple high-profile projects involving the latest in Web technology. The first was designing a Small and Home-Based Business Virtual Resource Library Web site. The virtual library includes information and resources to help Maine small business owners in the state, on topics ranging from financial resources and advertising to e-commerce and employment issues. Hankla researched Extension and university Web sites nationwide to provide links to relevant publications.

"Development of the publications database was a nightmare but I learned so much about Web design," says Hankla, who spent almost four months on the project. "I also learned a lot about dealing with

clients, including explaining the technical feasibility of my ideas to someone who doesn't necessarily know all about the technology."

Concurrently, Hankla was asked to write and design an interactive teaching module for employees on Extension's intranet. In developing the training site to teach people how to use FrontPage 98, Hankla says she learned the importance of providing positive reinforcement and building confidence in first-time technology users.

"So many people on the staff wanted to put their projects on the Web but didn't have the knowledge-base to implement the technology," she says. "As I've had the site tested, everyone has walked away learning something. It is so nice to do a project that needed to be creative, dynamic and educational."

Hankla is now working to get PDF versions of Extension publications posted to the Web, and assisting in making Extension Web sites ADA compliant. In addition, she is collaborating with the Intensive English Institute to redesign its Web pages.

Hankla is taking 18 credits this semester and maintaining a cumulative GPA of 3.69.

"I learned so much in the past three years," she says. "It was the most intense experience in my life. The biggest lesson was to have confidence in myself. I was lucky to have such opportunities, to meet people like Cindy who have affected my life and career significantly. I learned a lot about hard work."

"I'm also glad I took time off after high school and, in that time, woke up and said I didn't want to be a waitress all my life. I worked harder in college as a result of knowing where I want to be." ▲

College of Engineering pays tribute to renowned alumnus

The College of Engineering inducted 51 faculty and staff into the newly formed Francis Crowe Society Nov. 17 in a ceremony in Barrows Hall.

The organization reflects the achievements of Francis Crowe, who graduated from UMaine with a degree in civil engineering in 1905. Crowe supervised the construction of 19 dams in the West, including the Boulder Dam on the Colorado River.

When it was completed in 1936, Boulder Dam was considered to be one of the crowning engineering accomplishments of modern times, second only to the Panama Canal. It is still the highest concrete arch dam in the United States.

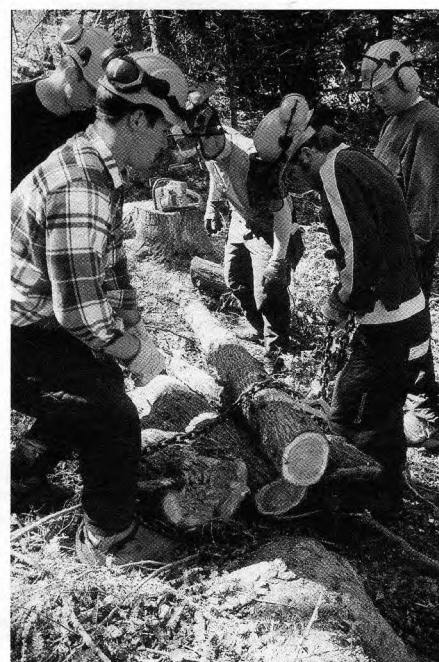
The purpose of the Society is to bring closure to the undergraduate engineering education experience by holding an annual ceremony that instills a bond between students and faculty. The Society will recognize "Distinguished Engineer Members" each year and induct UMaine alumni into a Francis Crowe Alumni Hall of Fame.

The ceremony also will focus on excellence in engineering. New members will read the Engineers Creed and the Code of Ethics of the National Society for Professional Engineers.

As a symbol of their membership, inductees received a medal from Larry Matthews, dean of the College of Engineering, and a certificate. ▲

SNOW LINE AVAILABLE

Information about the University's class schedule during inclement weather is available by calling 581-SNOW or 1-800-581-SNOW. The recorded message will provide general information about postponements or cancellations due to a storm.



Photos clockwise from top: Louis Morin and Deryth Taggart; Ben Povak, Ben Holgerson, Nick Baser, Adam Nielsen and Shawn Bugbee; and Kristen Haessler.

Forestry Camp in Acadia

Students participating in last spring's annual forestry camp watched what might be called "the robin's nest test" during a logging project in Acadia National Park. They were cutting trees, clearing brush and hoisting logs up a steep bank along a carriage trail as eggs in a robin's nest started to hatch nearby.

"All the eggs hatched, and the nest wasn't disturbed a bit," reported Margaret Griffin, one of the students on the cutting crew. "No problem."

That lesson wasn't lost on the 26 students whose camp experience had already included work sessions on logging with draft horses, skidders, a steel cable and pulley system, and other machinery used to harvest trees. Cable logging systems are more commonly used in the West, but UMaine's home-built equipment has been essential for work on the boulder-strewn slopes in Acadia National Park.

Rangers at the park had marked the trees to be cut as part of a multi-year program that is opening original scenic vistas in the historic carriage trail system.

"We couldn't have done this work without the students," says park botanist Linda Gregory, who helped mark trees. "We really appreciate what they do for us and how they work with a serious, professional attitude."

Forestry camp is a UMaine tradition that stretches back to the 1920s. Fred Knight, former dean of the College of Forestry, was a participant in the 1947 camp. The goal then, as now, says Knight, was learning forestry by participating actively in all aspects of forest management and tree harvesting. That was the last year in which the camp began in October and continued through the holidays until the beginning of spring semester.

Today the camp begins right after finals week in May. It is organized by Louis Morin of the College of Natural Sciences, Forestry, and Agriculture, with assistance from staff, faculty and students. This year, instructors and assistants included Kim Adler, Robin Avery, Andy Eagan, Mary Ferraro, Julie Rodenburg, Deryth Taggart, Chuck Simpson and Julie Swisher. The annual camp even has a Web site (www.forest-resources.umaine.edu/camp/camp.htm).

"This is an opportunity for students to find out if it's a career that they want to follow," says Morin. "Most of them are a little apprehensive when they find out about the program. It's three weeks at a time when they want to start their summer jobs, but after they've gone through it, there are always some who want it to continue."

Ben Povak, a senior from Enfield, Conn., who runs his own tree service, gained more than he expected from the camp. "I came here thinking I knew more than I really did," he says. "The atmosphere in this camp is great, and I have learned so much. The supervisors really know what they're doing."

Povak also holds a bachelor's degree in liberal arts from the University of Connecticut. He plans to use his newly gained forestry knowledge to expand his business. "I take calls from homeowners who want a tree cut down or trimmed. But when I go home, I plan to offer more comprehensive services to people with large woodlots."

The strength of the UMaine forestry program also attracted Tyler McIntosh, a transfer student from Vermont Technical College. He has worked in the woods since he was 16 and is now part of the crew that cares for the University's own forestlands.

Kristen Haessler, a senior from Medford, N.J., was impressed with the efficiency and safety of the cable logging system. She thinks it can be useful in harvesting strategies that protect the sustainability of forest ecosystems. Haessler, who transferred from Paul Smith College in New York, says she appreciated the cooperation and support she found among faculty and students during the camp.

In addition to working on Mt. Desert Island, the students laid out and built logging roads, and did some pre-commercial thinning at the Penobscot Experimental Forest in Bradley. They used excavation

continued on page 14

For as long as she can remember, Ruth Stokes has known she is Penobscot. Her mother, who was born on Indian Island and lived there until she was 16, continually affirmed Stokes' identity and heritage, despite being socialized outside the Native American community.

Four years ago, when the 38-year-old Bangor native moved back to Maine from Charleston, S.C. to be closer to her younger sister and two nephews living on Indian Island, she found her self-identity suddenly in question.

"It was exciting to walk onto Indian Island and meet relatives I didn't know well," Stokes says of her homecoming. "I thought I was just going to walk into this community and be accepted, but I found it didn't work that way. I had to deal with exclusion.

"My first encounter with issues of identity and ethnicity was after I arrived in Maine."

The experience triggered Stokes' graduate research at UMaine into the identity issues related to being Native American. That's when she began to better understand the controversy concerning who is Native American.

"It is a complex political and social issue," she says. "Combined with recognizing the importance of living the culture of a community, I began to gain a better understanding of who I am and where I stand with my heritage."

Stokes, who has a bachelor's degree in corporate communication from College of Charleston, enrolled at UMaine in 1996 to do graduate work in speech communication. Her thesis focused on what it means to be Native American of mixed-blood identity.

Her dissertation for her individualized Ph.D. now takes that research further to focus on the communication dynamics behind the self-identification of Native American women of mixed blood.

At the heart of her research are 20 interviews with Native American women from the Northeast and Southeast. "I'm looking at how the Native American story is told when people are of mixed blood," says Stokes. "I'm focusing on the communication aspect of how Native Americans of mixed blood learn about their heritage – when does their story begin and who is telling it? Pain and exclusion are common themes.

"In my case, I was removed from the Native community as a

How communication shapes self-identity



Ruth Stokes

Photo by Monty Rand

member of a military family and I was not part of the cultural ways of the Penobscot. I was raised in the white world and socialized white. Yet my mother always told me I'm Native American. I may not know all the Native traditions but I do know about the pain that comes with being Native. Is that enough?

"I do not know what my research will find but I am excited to delve into the complexities that being mixed blood impose upon both the political and social aspects of nativeness and how these complexities affect the communicative storytelling of the master narrative," Stokes says.

Stokes' research is informed and her self-identity made clearer by her courses and work experiences at the University. With her first women's studies course, Stokes discovered her life-long challenges to inequitable opportunities for boys and girls had a name – feminism. Working at the Wabanaki Center, Stokes recognized that there were still more issues she needed to explore concerning Native American heritage.

For the past year, Stokes has taken into her teaching an ever-increasing knowledge of how to recognize and overcome the barriers to self-identity.

"I love teaching public speaking," she says. "Students don't sign up for this class because they want to be there but because it is a requirement. In most cases, the students are there against their will. For me, it's a great challenge in helping them through a class that makes most people so anxious. At the end of the course, I've had students say they're glad they took it and comment that skills they learned here will help in their other classes. I see myself as teaching speech techniques to help them throughout their lives."

In her classes, Stokes not only gets students more comfortable public speaking, but she discusses topics such as dominant and sexist language, and diversity communication. Similarly, her focus on how we communicate dovetails into her teaching of introductory women's studies this semester.

"Language is a key aspect in how and what we communicate, and therefore it is imperative that we spend time studying it as a political, powerful element. Both Introduction to Women's Studies and Public Speaking offer that opportunity." ▲

Faces Behind the Places



Harold Boardman, who graduated from UMaine with bachelor's and master's degrees in 1895 and 1898, spent more than 40 years actively associated with his alma mater. He graduated from the University in 1895 and began teaching engineering here in 1901. Two years later, he was named head of the Department of Civil Engineering and, in 1910, became dean of the College of Technology. Boardman was the first alumnus to become a UMaine president, serving from 1925-34. Boardman was awarded an honorary

degree from the University in 1922 – one of at least four he received from other institutions. Many of Boardman's students in the early 1900s became nationally known in engineering, working on such nationally prominent projects as the Boulder Dam and Grand Coulee Dam.



Abner Coburn of Skowhegan was a trustee of the University from 1867-1879. In the president's portion of the College Report for 1885, the following reference appears: "The earnest and abiding interest manifested by Ex-Governor Coburn in this institution renders his removal by death . . . a loss seriously felt by all connected with the College as the loss of a warm personal friend. The magnificent contribution which he made in his will to further endowment of the College will stand as a lasting memorial to the

generosity of his nature and to his sympathetic interest in the cause of industrial education."

Dioxin Determinations

A UMaine graduate student is wrapping up her study of a new technology that may improve monitoring of the state's rivers for dioxins and other pollutants. Heather Shoven, a master's student in the Ecology and Environmental Sciences Program, is evaluating data from devices placed this summer in the Kennebec and Androscoggin rivers.

Her two-year project has brought her into close collaboration with environmental agencies, the Penobscot Indian Nation and other scientists in the Mitchell Center for Environmental and Watershed Research at UMaine. It has also given her a head start on a career in environmental policy and regulation.

Known as a semi-permeable membrane device or SPMD, the technology enables scientists to determine the concentration of dioxin in the water over a specific amount of time. A SPMD is referred to as a "fatbag" in water quality circles because it contains a highly refined fish oil encased in a membrane that allows water and dissolved compounds to pass through. The oil absorbs some types of pollutants, such as dioxins and PCBs.

Shoven is working at the Mitchell Center with the support of grants from the U.S. Geological Survey and the Maine Department of Environmental Protection. She has given presentations about her project at four state and international conferences in the past year, including a meeting of the National Council on Air and Stream.

Shoven, a native of Kankakee, Ill., graduated summa cum laude in biochemistry from Marquette University in 1999. She was attracted to the water resources option at UMaine by the opportunity to work across the boundaries between science and public policy.

"I wanted to get a master's in environmental science. This project had everything I wanted to do – some public policy as well as science that enables me to use my chemistry background."

Environmental regulators currently monitor dioxin in Maine rivers by testing fish. Since fish are mobile and accumulate the toxin throughout their lives, that method cannot be used to pinpoint sources of the chemical or indicate concentrations that vary over time. In 1997, the Maine Legislature passed a law that requires information to be collected about how dioxin concentrations vary upstream and downstream from pulp and paper mills.

"By 2003, we need to figure out a way to monitor dioxin to comply with the 1997 upstream-downstream law," Shoven says. "The law didn't say what kind of technology would have to be used. As of today, we don't have the technology in place to determine a difference."

The focus of Shoven's work has been the development of protocols for placing the devices in the water and analyzing the data. She has found that SPMDs steadily accumulate dioxin over a period of 28 days. By knowing environmental conditions, such as temperature, water flow and water chemistry, scientists can calculate the concentration that was in the water during that period. Shoven is also developing a method to correlate dioxin in SPMDs with concentrations in living organisms.

Since human health concerns require that fish continue to be monitored, SPMDs will not completely replace the current method of dioxin monitoring. However, they could reduce the need to test fish tissue and provide reliable information about actual amounts of

dioxin in the water.

Shoven has worked with Therese Anderson and Steve Kahl in the Mitchell Center; Howard Patterson and Touradj Solouki in Chemistry; and David Courtemanch and Barry Mower in the Maine Department of Environmental Protection. Patterson is her major advisor. ▲



Heather Shoven

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

A tonic for ailing structures

Building owners and contractors who need to strengthen floors, roofs and other structural components may have a new repair technique developed at the University of Maine Advanced Engineered Wood Composites Center (AEWC).

Habib Dagher, director of the AEWC, and Benjamin Foster, a master's student from North Vassellboro, have developed a fiber-reinforced composite strip that can be used to strengthen wood beams.

The strip is not available in retail stores, but arrangements to use it on a limited trial basis can be made with the AEWC. Increasing structural strength may be particularly important when insulation is added to reduce energy bills, Dagher notes.

Last summer, their research received national recognition at the Composite Fabricator's Association (CFA) annual conference in Las Vegas, attended by more than 5,000 people, where Dagher received

the Best Technical Paper Award. The paper describes an efficient method to repair or strengthen wood beams in service using fiber-reinforced polymer strips bonded to the underside of the beams.

"This is an increasingly common problem as much of our building infrastructure continues to age, including schools and municipal buildings," says Dagher. "Owners and policymakers are often faced with the choices of tearing out a structure or finding an efficient and safe way to repair it."

Dagher and Foster conducted full-scale tests showing that damaged beams can be restored to full strength. The researchers bonded strips to the bottoms of 30 beams that had been intentionally damaged by sawing through three quarters of the depth. The beams were structurally tested in the lab to the breaking point. Evidence generated by the tests showed that the reinforcing strip had restored the beams to their initial strength. ▲

IT education *continued from page 1*

"When we were asked to do the study, we were very enthusiastic about the potential for making UMaine known for its competence in information technologies," says Wihry. "Our mandate was clear: Investigate the pattern of demand for IT skills in the labor force, and assess how UMaine is responding to the changing pattern of demand."

In their research, Dorrer and Wihry looked at the demand side of the information technology labor market with a review of employment trends and occupational projections in Maine and the U.S. Among their key findings:

▼ **New jobs.** Traditional IT job classifications are growing at faster rates than other jobs requiring a college degree. The remarkable employment growth of the computer and data processing services industry in the past decade is a trend that is expected to continue in the next 10 years. It is estimated that, in Maine, the industry will add 1,000 new jobs over the decade. There will be rapid growth in the traditional IT occupations in other industries, as well. For all industries combined, the state is expected to add nearly 3,000 jobs by 2006.

▼ **Competitive wages.** Starting salaries for entry-level IT professionals with college degrees are significantly higher than for most other disciplines, indicating the strength of labor market demand. However, earnings of IT workers in Maine are significantly less than the national median earnings for information technology professionals.

"If we look across society, IT is transforming how work is done," says Dorrer. "We now have to look at how that translates into reformulating education. We're not simply looking to meet and keep up with the needs of business; we must take a global view. What foundation of knowledge does the educated human need? And how do we keep knowledge acquisition active, getting beyond lifetime learning as a slogan and having people stay constantly connected to learning opportunities?"

The rate at which graduates enter IT occupations depends on the types of educational opportunities offered by suppliers of educational services – including institutions such as UMaine – and the extent to which students choose to take advantage of those opportunities. Educational institutions offer degree programs that provide the knowledge, skills and abilities that students need to enter a given occupation. How many students actually emerge from these programs depends heavily on choices made by students – whether to attend college or not, which degree programs to enroll in, and whether to follow through to the completion of the degree.

UMaine offers a wide range of degree programs that provide the skills needed in the traditional core IT occupations, such as computer programmer, systems analyst and computer engineer. In addition to baccalaureate degree programs in computer science and computer engineering, UMaine offers a B.S. in spatial information science and engineering, and a management information systems option in the B.S. in business administration. The University's New Media program, now in its final planning stages as a major, addresses the growing demand for workers in emerging occupations that require skills in digital audio, video and design technology. Students who gain technical skills as they pass through these degree programs also gain the breadth and perspective characteristic of a liberal education.

"This is the University's real strength when it comes to technical education," says Wihry.

In addition to formal degree programs, the University has the unique and highly successful ASAP program, in which students from any discipline do IT development work in an environment that models the real-world workplace experience.

With graduate programs in such areas as computer science, computer engineering, and spatial information science and engineering, and the management information systems concentration in business administra-

tion, UMaine has a critical mass of IT expertise and degree programs unmatched in the state, says Dorrer. New initiatives like the Agent Institute in the Department of Computer Science send a message that UMaine has an ever-increasing role to play in Maine's economic development.

"The knowledge, expertise and capacity are here," says Dorrer. "Money invested in the University will further attract talent and more expertise to the state."

Such educational resources prepare students for what Dorrer and Wihry call "core occupations" in the IT field – those providing the knowledge needed to design, construct and maintain information systems, and develop applications. "Then there is the increasingly pervasive use of information technology throughout the workforce," he says. "More than ever, the ability to use computer technology for database management, desktop publishing and Web research is being considered one of the fundamental skills employers assume their employees have."

Today, UMaine students are receiving IT education both in the core IT programs, and in other IT-intensive majors and electives, such as chemistry, engineering, and wildlife ecology. In addition, based on a survey of IT content in courses offered throughout the University, Dorrer and Wihry conclude that most students will leave UMaine with at least some exposure to the kinds of IT skills they will be expected to have in the workplace. This is especially important in a state where businesses are typically small, Dorrer says.

"In Maine, many small businesses cannot afford a cadre of specialized IT workers," he says. "That's why skill diversification is so important. Developing IT literacy among its graduates is an important mission for an institution such as UMaine, which serves the needs of students and employers in a rural state."

Faculty IT proficiency, interest and expectations for their classes have a lot to do with the prevalence of IT as an educational tool on campus, says Wihry. In addition, technological advances and software innovations have made IT increasingly user friendly and cost effective. "The extent that faculty have bought into technology without pressure or formal programming is remarkable," Dorrer says. "Many faculty see the use of IT applications in the classroom as the right thing to do."

Both Wihry and Dorrer view UMaine's strength in IT education as a potential marketing strength. "The world needs to know that at UMaine, students in any discipline can leave with the IT tools necessary to succeed in the workforce," says Wihry.

The rapid growth and changing patterns of skills requirements in the modern economy make it difficult to predict future trends, and hard for the University to plan with assurance. Government projections of occupational trends have understated growth in demand in recent years, and industry projections tend to be overly enthusiastic.

The authors caution that it is best for the University to take the long view and stick to its fundamental educational mission of preparing students not only for careers but for life and citizenship. At the same time, Dorrer and Wihry stress the importance of keeping abreast of developments in the workplace. They believe that UMaine graduates should be systematically surveyed to monitor whether their academic preparation matched with the expectations of their jobs.

In the core IT disciplines, ongoing communication must be maintained between faculty and industry in order to stay current with changing skill requirements. At the same time, Dorrer says, UMaine needs to help industries take an encompassing view of the broad issue of how to educate people so they are prepared to perform.

"Higher education means more than the acquisition of technical skills. Employers seem to be increasingly aware of this fact, which means the University has an increasingly important role to play," Wihry says. ▲

Howard Patterson, professor of chemistry, with **Sofian Kanan**, former Ph.D. student in chemistry and presently a research associate at the Laboratory of Surface Science, and with **Mohammad Omary**, former Ph.D. student in chemistry and presently a research associate at Texas A&M University: "Luminescent Homoatomic Exciplexes in Dicyanoargentate(I) Ions Doped in Alkali Halide Crystals.

'Exciplex Tuning' by Site-Selective Excitation and Variation of the Dopant Concentration," *Coordination Chemistry Reviews*, 200:227-41 (2000).

Rosemary Bamford, professor of literacy, and **Janice Kristo**, professor of literacy: "A Decade of Nonfiction: Ten Books with Unique Features," *Journal of Children's Literature*, 26(2):50-4.

Kathleen March, professor of Spanish: "Rosalia de Castro: Escritora de su tiempo," *Breve historia feminista de la literatura española (en lengua catalana, gallega y vasca)*, ed. Iris M. Zavala, Barcelona: Anthropos, 161-74 (2000)

Lewis Tagliaferre and **Susan Greenwood**, lecturer in sociology: "Fuel Cells Now, Part I," *Electrical Contractor*, 65(10):36-42 (2000).

Nathan Stormer, assistant professor in the Department of Communication and Journalism: "Prenatal Space," *Signs*, 26 (1): 109-44.

Stephen Marks, professor of sociology: "Teasing Out the Lessons of the 1960s: Family Diversity and Family Privilege," *Journal of Marriage and the Family*, 62:609-22.

John Moring, professor of zoology, Department of Biological Sciences: a book review of *Rush for Riches: Gold Fever and the Making of California*, (J.S. Holliday, University of California Press, 1999), *Journal of the West*, 39(4):104 (2000).

Mary Ellen Symanski, associate professor of nursing: "A Nurse on Mars, Why Not?" *The American Journal of Nursing*, 100th Anniversary Issue, 100(10): 57-61, (2000).

Howard Segal, Bird & Bird Professor of History: "Technological Utopianism is Alive and Quite Well in Higher Education," *The Maine Scholar*, 13:229-39 (Autumn 2000).

Eric Peterson, associate professor and chair of the Department of Communication and Journalism: "Narrative Identity in a Solo Performance: Craig Gingrich-Philbrook's *The First Time*," *Narrative Inquiry*, 10 (1):229-51.

Jayendran Rasaiah, professor of chemistry, and former graduate student **S. Koneshan**: "Computer Simulation Studies of Aqueous Solutions of Sodium Chloride Solutions at 298K and 683K," *Journal of Chemical Physics*, 113:8125-37 (2000). Koneshan, who graduated last May, is currently a postdoctoral research fellow in the Computer Science Department, Cornell University.

Book Ends

New & Noteworthy at the University Bookstore

We have a wide selection of books for the holidays. Here is a sampling of some of this year's best:

The Night Before Christmas by William Wegman, Hyperion (2000). This classic tale has been playfully re-done by Wegman and his furry friends.

The Jar of Fools: Eight Hanukkah Stories from Chelm by Eric Kimmel, Holiday House (2000). Drawing on traditional Jewish folklore, these Hanukkah stories relate the antics of the people of Chelm, thought, perhaps incorrectly, to be a town of fools.

Christmastime Treats: Recipes and Crafts for the Whole Family by Sara Perry, Chronicle Books (2000). Recipes to tantalize adults and children alike, plus family-friendly projects to deck your halls with holiday magic.

Jewish Holiday Treats: Recipes and Crafts for the Whole Family by Joan Zoloth, Chronicle Books (2000). This book offers wonderful dishes and a host of fun activities, delightfully weaving a sense of culture and history throughout.

Of Note: During the Holiday Sale, Nov. 27-Dec. 23, take 25 percent off all clothing, general books and UMaine gifts.

Annual Maine Indian Basketmakers Sale and Demonstration Dec. 9

The Hudson Museum will host the 6th Annual Maine Indian Basketmakers Sale and Demonstration Saturday, Dec. 9.

The event, which is free and open to the public, will be held 10 a.m.-3 p.m. in the Maine Center for the Arts.

Early Bird Shopping, 9-10 a.m., costs \$5 for admission.

Micmac, Maliseet, Passamaquoddy and Penobscot basketmakers will sell handmade, one-of-a-kind ash splint and sweet grass basketry. Carvings, jewelry, birchbark work and other crafts also will be available.

A basketmaking demonstration begins at 10:30 a.m. From 11 a.m.-1 p.m., traditional foods will be sold, with proceeds benefitting the Penobscot Nation Boys and Girls Club.

A children's workshop on making brown ash and sweet grass candy baskets, and sweet grass angels, will be offered from 11 a.m.-noon. Registration is required by calling 581-1901.

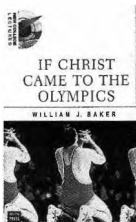
In the afternoon, there will be a celebration of the Museum's newest acquisitions. Added to the collection are a Penobscot canoe, circa 1888, that has been conserved with the help of a grant from the New Century Project. Another new acquisition, a collection of crooked knives, was supported by a grant from the Maine Antique Dealers Association.

An hour of traditional drumming and singing by the Burnwurskeke Singers begins at 1:30 p.m.

Again this year, those attending the event are asked to donate non-perishable food items for the Fiddlehead Food Pantry, which provides food for First Nation People in the Wabanaki regions. ▲

V O L U M E S

Recent Works by University of Maine Authors



If Christ Came to the Olympics

By William Baker

(University of New South Wales 2000)

New College at the University of New South Wales, Sydney, Australia, holds annual series of lectures examining a contemporary issue from a religious perspective. "If Christ Came to the Olympics" was the subject of three lectures delivered last year by William Baker, Bird and Bird Professor of History. The book, based on the lectures, was published in time for the Summer Olympics.

Baker opens by musing on the idea of Christ turning up unexpectedly at any time. He then discusses the body of work this idea has spawned, including Levi's *Christ Stopped at Eboli*. He looks at the history of the Olympic games, examining their meaning in modern society, and how they depend on and have consequences for modern religion.

The "exercise in imagination" is explored in chapters focused on the religious aspects of the modern Olympics, affirmation of athletic pleasures of the flesh, the pursuit of gold and other false gods, and evangelicals at the Olympics.

If Christ Came to the Olympics is Baker's ninth book.

Campuswide Calendar Available

Maine Perspective keeps an electronic calendar listing on-campus University of Maine events for the academic year that have been submitted for inclusion. If you have events already scheduled, send your listings to Maine Perspective. If you are planning a future event and want to check for other events scheduled at particular days and times, give Maine Perspective a call, x3745.

Ivan Fernandez, professor of soil science and department chair in Plant, Soil and Environmental Sciences, has been appointed by Carol Browner, chief administrator for the U.S. Environmental Protection Agency, for a two-year term to the agency's Scientific Advisory Board Ecological Processes and Effects Committee in Washington, D.C.

Janice Zeman, associate professor of psychology, along with graduate student co-authors **Leslie Sim**, **April Nesin**, **Sheri Stegall** and **Cynthia Suveg**, gave two presentations at the annual meetings of the Association for Advancement of Behavior Therapy, New Orleans, Nov. 16-19: "Emotional Dysregulation and Disordered Eating in Early Adolescent Girls" and "Emotional Experience in the Prediction of Disordered Eating in Early Adolescent Girls."

In August, **Steven Barkan**, chairperson and professor of sociology; **Steven Cohn**, professor of sociology; **Susan Greenwood**, lecturer in sociology; and **Kyriacos Markides**, professor of sociology, attended the annual meeting of the American Sociological Association, Washington, D.C. Barkan and Cohn presented a paper, "Predictors of Support by Whites for Greater Spending on Law Enforcement." Cohn, Greenwood and Markides organized a session, "Perspectives for a Transpersonal Sociology." Greenwood presided at this session, and Cohn and Markides presented a paper, "Transpersonal Perspectives and Sociological Theory." Barkan also attended the annual meeting of the Society for the Study of Social Problems in Washington, where he presented a paper, "Law as a Vehicle and Obstacle for U.S. Social Movements."

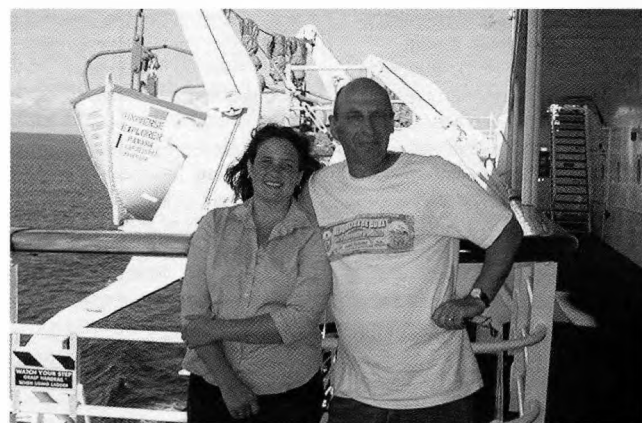
Steve Kahl, director the George Mitchell Center, has been appointed by Gov. Angus King to the new Mercury Products Advisory Commission. This commission will serve to advise state agencies on the implementation of recent legislation covering mercury use and disposal. The Mitchell Center is involved in several mercury research studies and performs the analyses that are the basis for mercury consumption human health advisories statewide.

In collaboration with Gray Cox, professor at the College of the Atlantic, and Karla Peña, professor at the Universidad Autónoma de Yucatán, **Kathleen March**, professor of Spanish, led a 10-hour Spanish immersion experience on campus Nov. 10. More than 20 people attended the daylong event, which included various activities and resource media. In addition, March gave a presentation on diversity at Maine Maritime Academy Nov. 14. The presentation was in conjunction with the common book project. This year's book is *The Accidental Asian* by Eric Liu.

Sharon Gilbert, postdoctoral research associate at the Center for Community Inclusion, participated in two panel discussions, "Preparing Students to be Consultants: Roles for the Future," and "Distance Education: A Look at Some Different Approaches" at the Teacher Education Division's 2000 conference on distance education in Las Vegas in November. She presented information gleaned from her teaching experience with the Center's Rural Early Intervention Specialist/Low Incidence Disability program. This grant funds a master's degree program in early intervention and uses several distance education approaches, such as compressed video, asynchronous transfer mode, e-mail and Blackboard 5, as well as a "weekend college" format, and an intensive summer institute.

Chris Mares, interim director, and **Carlos Islam**, lecturer, both of the Intensive English Institute, gave a joint presentation, "Ten More Good Activities," at the Fall 2000 Northern New England TESOL Conference at New Hampshire College, Manchester. The presentation explored the use of visualization activities, mime and poetry in the classroom. In addition, Mares and **Irene Jackson** of the English Department gave a joint presentation, "ESL, The Nuts and Bolts for Newcomers to the Field," at Maine's 20th ESL/Bilingual Education Conference in Saco Oct. 13. Mares also gave a series of outreach workshops for ESL tutors and mainstream teachers in the Bangor School district Oct. 23, Oct. 25, Nov. 6 and Nov. 8.

Tom Mikotowicz, associate professor of theatre, was guest scholar on a humanities panel on the contemporized production of Richard Brinsley Sheridan's 18th-century comedy, *The School for Scandal*, at the Trinity Repertory Company, Providence, R.I., Sept. 9.



Irv Kornfield, professor of zoology, School of Marine Sciences, and Kristy Townsend of Orono, a junior majoring in biochemistry, are traveling around the world on the MV *Universe Explorer* as members of Semester at Sea, offered by the University of Pittsburgh. This photo was taken shortly after crossing the equator in the Indian Ocean at 55 degrees, 10.34 minutes East. The vessel was to transit the Suez Canal after calling at Chantai (Madras), India and visiting a number of ports, including Istanbul, Dubrovnik and Cadiz. Security assessments resulted in a new itinerary of Mombassa, Capetown and Salvador (Brazil). After calling at Havana for four days, their vessel will dock at New Orleans Dec. 23. Townsend is one of 700 students on board from universities throughout the U.S. She is taking four courses, including Religion and Culture, Comparative Politics, and Conservation Ecology. Kornfield, one of almost 100 faculty on the ship, teaches three courses and participates in lectures. He also was able to conduct sampling for marine research in Malaysia, India and Tanzania. Townsend has just returned from a short safari in southern Kenya. Kornfield and his wife Tori just returned from Zanzibar. Information about this program and the current voyage is on the Web

Psychology graduate student **Rachel Grover** presented two papers at the Annual Association for the Advancement of Behavior Therapy conference in New Orleans this November. The first, "Validating a Taxonomy of Problematic Heterosocial Situations Reported by College Students: A Critical Situations Analysis," is co-authored by Associate Professor **Douglas Nangle** and graduate student **Karen Zeff**. Grover's second paper, "Critical Situations Analysis of Adolescent Heterosocial Situations: A Focus Group Study," is co-authored by Nangle; Zeff; **Elizabeth Fowler**, a senior in the psychology major; and graduate student, **Erika Carpenter**. Carpenter presented a paper, "Effects of Brief Verbal Instructions on Aggression in Head Start Preschoolers," co-authored by Nangle, and graduate student **Jessica Mathews**.

Susan Pinette, director of Franco American studies and assistant professor of interdisciplinary studies, attended the 12th Biennial Conference of the American Council for Quebec Studies, Oct. 26-29 in Montréal. Pinette presented her paper, "Des dialogues curieux": Literary Device and Ethnographic Discourse in the Works of Lahontan."

Nov. 10, **Jessica Prata Miller**, assistant professor of psychology, presented a paper, "Moral Norms and Social Distrust," at a national conference on "Morality and Its Other(s)," sponsored by the Center for Interdisciplinary Study of Meaning and Value at Albion College, Michigan.

Douglas Nangle, associate professor of psychology, and **Erika Carpenter**, graduate student, presented "Treating Aggressive Preschoolers" at Multidisciplinary Psychiatric Grand Rounds, Acadia Hospital, Bangor, Nov. 3.

Nov. 4, **Ben Tanner**, graduate student in Quaternary studies, presented a paper on "Preliminary Results from a Lithic Analysis at Quebrada Jaguay, a Maritime-Based Paleoindian Site" at the 19th Northeast Conference on Andean Archaeology and Ethnohistory at Dartmouth College. The paper was co-authored with **Dave Sanger**, Anthropology, and Quaternary and Climate Studies; **Marty Yates**, Geology; and **Dan Sandweiss**, Anthropology, and Quaternary and Climate Studies. Sandweiss founded this annual conference in 1982; it was held at UMaine in 1997.

A number of faculty in the Department of Communication and Journalism attended the National Communication Association Convention, Seattle, Nov. 9-12.

Sandra Berkowitz, assistant professor of communication, presented "A True American: Reading Jewish Responses to Anti-Semitism," and was a roundtable discussant for a program on "Traditional Gender Roles as Rhetorical Strategies." Professor of Communication **Kristin Langellier** presented a paper, "Heroic Mothers and Good Enough Daughters in Ethnic Family Storytelling," and was a respondent on a panel on "Life Beyond Survivor: Performing Agency." **Eric Peterson**, associate professor of communication, presented a paper, "Teaching What You're Not: Communication and Identity." **John Sherblom**, professor of communication, presented a paper, "Creative Approaches to Working in Small Groups." **Nathan Stormer**, assistant professor of communication, presented a paper "Representing Desire: Competitiveness in WNBA and NBA Coverage." **Claire Sullivan**, associate professor of communication, presented a paper, "Engaging Health: Using the Internet for Cancer Support."

Three papers co-authored by UMaine psychology researchers were presented at the Association for the Treatment of Sexual Abusers 19th Annual Research and Treatment Conference, Nov. 1-4 in San Diego. The first two were presented by **Sue Righthand**, clinical associate, Department of Psychology; the other authors did not attend the conference. "JPI-Maine Sex Offender Assessment Protocol (J-SOAP): Development and Preliminary Psychometric Data," co-authored by Righthand; **Douglas Nangle**, associate professor of psychology; **Erika Carpenter**, graduate student in Psychology; Robert Prentky, director of assessment, Justice Resource Institute, Bridgewater, Mass.; **Jeffrey Hecker**, associate professor of psychology. "JPI-Maine Juvenile Sex Offender Assessment Protocol (J-SOAP): Empirical Investigation of Factor Structure," co-authored by Righthand, Prentky, Hecker, Carpenter and Nangle. **Darin Arsenault**, graduate student in Psychology, presented the paper "Use of the Youth Level of Service/Case Management Inventory (YLS/CMI) with a Juvenile Sex Offender Population: Preliminary Psychometric Properties," co-authored by Arsenault, Hecker and Righthand.

Shawn O'Leary, assistant director of the Wabanaki Center, **Edward Levy** and **Elizabeth Sapiel**, undergraduate students, attended and exhibited at the National Indian Education Association meeting in Sioux Falls, S.D., Oct. 28-Nov. 1. Levy presented a workshop, "A Voice to the Sacred Hieroglyphs," that presented a unique Mi'kmaq perspective on the origin of the hieroglyphs and its role in today's society.

Stellos Tavantzis, professor of plant pathology, presented an invited seminar, "Double-stranded RNA Elements Associated with Regulation of Virulence in *Rhizoctonia solani*," to the Department of Plant Pathology at North Carolina State University (NCSU), and toured the genomics facilities on the Centennial Campus of NCSU in Raleigh, Oct. 30-31.

Rhea Côté Robbins, adjunct assistant professor, presented from her book *Wednesday's Child* (Franco-American) at the University of Wyoming Art Museum's literary series, Writers from Boundary Country, Oct. 13-14. Other authors who presented in the series: Junot Diaz, Dominican Republic-American, author of *Drown*; Dagoberto Gilb, Mexican-American, author of *The Author of Blood* and *The Last Known Residence of Mickey Acuña*; Francisco Goldman, Guatemalan-American, author of *The Long Night of White Chickens* and *The Ordinary Seaman*; Anne Landsman, South African-American, author of *The Devil's Chimney*; and Diana Abu-Jaber, Arab-American, author of *Arabian Jazz*. E. Annie Proulx introduced each author. The readings were presented in conjunction with the museum's major exhibition known as the Landscape 2000 project. The project also sponsored a yearlong Writers from Boundary Country Reading Group. The conference featured readings by, and discussions with, writers who live on the geographical periphery of the United States, and whose work explores America's culturally complex society and speaks to the diversity of its literary landscape.

Paul Anderson, associate director of Maine Sea Grant, received the FDA Commissioner's Special Citation June 9 in Rockville, Md. Anderson received the award for continuous and exemplary performance that has significantly strengthened state shellfish programs and increased shellfish safety in the Northeast. As leader of UMaine's Marine Extension Team, Anderson coordinates marine outreach and supervises an eight-member team from Sea Grant and Cooperative Extension.

Learning Circles 2001 Award Recipients Named

Teams of UMaine faculty, staff and students will begin meeting this semester to investigate aspects of teaching and learning on campus. In its second year, the Center for Teaching Excellence has approved 10 proposals for Learning Circles 2001 funding; four are new Learning Circles 2001 projects, and six are Learning Circles 2000 "continuation" and/or research grants.

These groups of five-eight UMaine faculty, staff and students include individuals from three or more colleges or campus units, and at least one person who is new to the University. The groups will be meeting as part of Learning Circles 2001, a project of the Center for Teaching Excellence, to encourage discussions about teaching and learning at UMaine.

Proposals were reviewed by Dana Humphrey, chair and professor of civil and environmental engineering; Sherman Rosser, executive director for University Recruitment, and Susan McLaughlin, CTE staff member. Funding for the Learning Circles 2001 program comes from the Adelaide C. and Alan L. Bird Fund for the Improvement of Teaching Quality through the Office of the Provost and Vice President for Academic Affairs.

Learning Circles 2001

Sandy Caron, Education and Human Development, "Learning Large: Strategies for Teachers of Large Classes."

Mazie Hough, Women In the Curriculum and Women's Studies Program, "Teaching for Everyone: A Handbook for Internationalizing the Curriculum."

Amyl Ghanem, Chemical Engineering, "Identifying Strategies to Mentor Students Conducting Research."

James Patton, Electrical and Computer Engineering, "Using Streaming Media in the Classroom."

Learning Circles 2000 Continuation and/or Research

Sharon Barker, Women's Resource Center, "Addressing the Challenges that Face Women Teaching Primarily Men."

Sandy Caron, Education and Human Development, "Development of a Concentration or Minor in Gay/Lesbian/Bisexual/Transgender Studies (GLBT Studies)."

James Leck, International Programs, "Meeting the Challenge of Teaching in an Intercultural Classroom."

Jean MacRae, Civil and Environmental Engineering, "Identifying Techniques to Help At-Risk Students."

Chris Mares and **Carlos Islam**, Intensive English Institute, "Exploring Pedagogic Techniques for Maximizing the Potential of Conferencing Technology for International Students Learning English."

Stephen Whittington, Hudson Museum, "Teaching Diversity Through Objects: The Hudson Museum and UMaine."

Learning Circles participants will share their work in an on-campus forum in May 2001. Several of the groups will be developing teaching resources that will be available for the entire campus. The Center welcomes and looks forward to involvement from the UMaine community at the May 2001 forum, and in all of its efforts. Visit our Web site (www.umaine.edu/teaching).

From the Faculty Development Center

Educational Technology Resources Web site

Have you been looking for a conference room that seats 30 people and is equipped with a digital projection system for student presentations? Need to borrow a digital camera or laptop? Or maybe just a good old-fashioned overhead projector for a class? Tracking down the right resources in the right place at the right time can quite often be difficult, if not impossible.

Now the Faculty Development Center (IT) gives you the Educational Technology Resources Web site (www.umaine.edu/edtech/) – the University's first comprehensive online listing of new media equipment and presentation technology available to students, faculty, staff and guests of the University.

Here you can find quick listings of equipment, services and workshops to help you with new technology, presentation classrooms, computer clusters, and much more. All listings include useful information, such as where the particular resource is located, who may use it, and whom to contact with questions or scheduling requests.

Strategic planning *continued from page 2*

construction and considers upgrading antiquated wiring in existing buildings," says Gregory. "With greater research going on at universities like UMaine, needs for greater bandwidth and other requirements must be looked at in an overview way and in the best long-term interest of the institution."

Similarly, planning for campuswide information technology infrastructure dovetails into the future of information technology education, he says. "My sense is the two (administrative and academic information technology needs) are merging in higher education," Gregory says. "For instance, it is more common for students to use administrative systems by logging on to register for courses or check financial aid."

In recent years, IT has increasingly supported academic technology needs. This past summer, state-of-the-art projection systems were installed in 11 classrooms as part of an ongoing effort to upgrade technology resources available for faculty. Next month, technology in 137 Bennett Hall will be upgraded. The improvements are made possible through allocations from the Technology Fee, with recommendations by the Academic Computing and Advisory Committee (ACAC), and Coke funds dedicated to classroom improvement. Out of 110 classrooms on campus, Gregory estimates up to 20 percent are adequately equipped with the latest technology.

The goal, says Gregory, is to have technology in all UMaine classrooms so that faculty investing time in integrating technology into their courses don't have to worry which rooms they have been assigned. The philosophy is that access to technology will increase usage. IT estimates that a quarter of UMaine faculty regularly incorporate technology into their courses.

The IT Help Center is strategically taking steps to better meet the needs of technology consumers and, in turn, increase use. New software installed at the help desk now logs every inquiry. The benefit is in determining the most-asked questions and concerns to better target educational efforts, and to identify trends and issues, says Gregory.

In the same vein, IT stepped up its educational efforts last year with the creation of the Faculty Development Center, directed by Andrei Strukov. In addition to offering one-on-one assistance with technology for the classroom, the center offered Faculty Stipend Awards.

Out of the applicants for funding, 12 faculty members were awarded monies to develop 11 projects integrating content-driven technology into the curriculum. The goal of what are expected to be annual awards is to produce direct, significant improvement to undergraduate teaching and learning by using technology.

In addition to presenting the projects to the University community earlier this month at a Faculty Technology Fair, the Faculty Development Center is providing further access to the innovations via a Web site (www.ume.maine.edu/tech).

"Such investments of faculty time and equipment dollars are part of preparing for the future," Gregory says. ▲

Let Xi Sigma Pi deck your halls

The annual Xi Sigma Pi holiday tree sale begins Friday, Dec. 1. Proceeds benefit awards and scholarships in the College of Natural Sciences, Forestry, and Agriculture.

The sale takes place on the front lawn of Nutting Hall. Sale hours are: noon-dusk, Dec. 1; 8 a.m.-4:30 p.m., Dec. 2; 10 a.m.-4:30 p.m., Dec. 3. Weekday sales are 3-4:30 p.m.

Maine-grown, fresh-cut Balsam and Fraser fir trees are available. The 6- to 7-foot trees are \$23 and \$25, respectively.

Members of UMaine's chapter of Xi Sigma Pi, the forestry and wildlife scholastic honor society, will be on hand to answer questions and assist with tree purchases.

Media Spotlight

Thomas on RK Radio

Sydney Thomas, associate professor of counselor education, did a live interview on RK Radio Network's Ruth Koscielak timely topics talk show. Thomas discussed issues of children fitting in with or being rejected by their peers. Thomas was contacted for the interview after producers saw her quotes on a similar topic in the *Boston Globe*. RK Radio, which broadcasts out of St. Paul, serves the upper Midwest.

Research by Sobolik showcased in *Science*

Recent research by Kristin Sobolik, associate professor of anthropology and Quaternary studies, and Hendrik Poinar, Max Planck Institute for Evolution Anthropology, Leipzig, Germany, was showcased in the News Focus section of *Science*. The article, "5th International Ancient DNA Conference: Divining Diet and Disease from DNA," was published in Vol. 289, No. 5479.

Watling in *New York Times*

Les Watling, faculty member in the School of Marine Sciences, was a source of data for a world map depicting threats to deep-sea corals, published in the Sept. 19 *New York Times*.

Camire in *Prevention*

Mary Ellen Camire, Department of Food Science and Human Nutrition, is cited in the November issue of *Prevention*. In the magazine's Home Remedies column, Camire spoke of the use of dried blueberries to ease upset stomachs.

Forestry camp *continued from page 7*

equipment donated by local vendors, including Southworth-Milton Inc. of Brewer; Oliver Stores and Beauregard Equipment of Hermon; Chadwick-BaRoss Inc. and METCO of Bangor. They had workshops on chainsaw safety, skidder operation and logging with horses.

Since fieldwork can demand knowledge of cultural resources, as well as trees, soil and water, students traveled to Long Island in Blue Hill Bay to conduct a comprehensive resource inventory for the National Park Service. Acadia maintains a conservation easement on the 4,560-acre island, where people lived for almost 200 years until the mid-1950s.

It was the second year that students have gone to Long Island for training experiences during the camp. They created species-by-species maps of tree stands on the island, and located building foundations, a granite quarry, a cemetery and even a dump.

They gained experience with the use of aerial photos and global positioning system receivers to record what they found in the woods. Precise locations were identified for the edges of mixed stands of white pine, red spruce, black and gray birch, and other species. Stand ages ranged from 50 to just over 100 years old, and trees reached as high as 70 feet.

Average tree height, basal area, topography and crown density also were calculated.

Working in the woods was not the only activity at the camp. When they returned from a day's labor, students sat down at computers to make notes and develop reports that were due shortly after the end of the fieldwork. The reports were compiled by student teams that focused on specific parts of the camp, such as the forest and cultural inventories on Long Island, the carriage trail vista restoration and human disturbance on Mt. Desert Island.

"It's a very intense and tiring time for the staff and students," says Morin. "But most feel that it's a great experience. They work closely in teams with their classmates, and many of them build life-long bonds. They stay in touch for years with their comrades."

"This experience changed our lives," Ben Povak said in a presentation at the end of the camp. "We all have to know these things as foresters." ▲

Positions Available

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

FACULTY

Assistant Professor of Advertising, Department of Communication and Journalism position. Review Begins: 1/22/01. Contact: Send letter of application, vita, three letters of recommendation, and supporting materials such as published and unpublished research, teaching evaluations and course syllabi to: Paul Grosswiler, Search Committee Chair, Department of Communication and Journalism, 5724 Dunn Hall, Orono, ME 04469-5724. Telephone: 207-581-1287; Email: paul.grosswiler@umit.maine.edu; Web page: www.ume.maine.edu/coj

Extension Educator – Arroostook County (Position #79) REOPENED, Cooperative Extension position. Review Begins: 12/22/00. Contact: Send letter of intent, vitae, all transcripts (copies acceptable), and names, addresses and phone numbers of four references that may be contacted to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; Fax: 207-581-3325; Email: sandyv@umext.maine.edu; UMaine Web page: www.umaine.edu/hr/jobs/umce

PROFESSIONAL

Parent Education Professional (Position #82) REOPENED, Cooperative Extension. Part-time (30 hrs/week) position, with possibility of expanding to full-time within six weeks. Salary: \$21,000. Review Began: 11/24/00. Contact: Send letter of intent, resume, transcripts (copies acceptable), and names, addresses and phone numbers of four references who may be contacted to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; Fax: 207-581-3325; Email: sandyv@umext.maine.edu; UMaine Web page: www.umaine.edu/hr/jobs/umce

Financial Manager – Capital Construction, Office of Facilities Management. Salary Range: \$40,000-\$50,000. Review Begins: 12/14/00. Contact: Send letter of application and resume, including three references, to: Joan Deshane, Financial Manager Search Coordinator, Office of Facilities Management, 5765 Service Building, Orono, ME 04469-5765.

Education Specialist (2), Early Care & Education Specialist (2) and Health Care Specialist (1), Center for Community Inclusion, UAP. Salary Range: \$30,000-\$36,000. Review Begins: 11/27/00. Contact: Send cover letter specifying position(s) for which you are applying, curriculum vitae, proof of state licensure as RN for Health Care Specialist, three letters of recommendation, and transcripts to: Pamela Flood or Linda Labas, Co-Chairs, Project Specialist Search Committee, Center for Community Inclusion, UAP, 5717 Corbett Hall, Orono, ME 04469-5717. For information about the Center, visit www.ume.maine.edu/~cci/

Mental Health Specialist, Center for Community Inclusion, UAP. Salary Range: \$34,000-\$40,000. Review Begins: 11/27/00. Contact: Send cover letter specifying Mental Health Specialist position, curriculum vitae, proof of certification/licensure in psychology, social work or early childhood education, three letters of recommendation, and transcripts to: Pamela Flood or Linda Labas, Co-Chairs, Project Specialist Search Committee, Center for Community Inclusion, UAP, 5717 Corbett Hall, Orono, ME 04469-5717. For information about the Center, visit www.ume.maine.edu/~cci/

Assistant to the Athletic Director/Diversity and Student-Athlete Welfare, Department of Athletics. Salary Range: \$24,000-\$28,000. Review Begins: Immediately. Contact: Send resume, letter of application and names, addresses and telephone numbers of three references to: Scott Lowenberg, Assistant Athletic Director for Marketing & Promotions, 5747 Memorial Gym, Orono, ME 04469-5747.

Employee Health and Benefits Manager, Office of Human Resources.

Review Begins: Immediately. Contact: Send resume and letter of interest, along with names, addresses, and telephone numbers of three references and salary expectations to: Allan Boggs, Director of Human Resources, 234 Corbett Hall, Orono, ME 04469-5717. For complete job description, visit the Office of Human Resources Web site: www.umaine.edu/hr/jobs/Administrative

Assistant to the Dean, College of Liberal Arts and Sciences. INTERNAL position. Review Begins: Immediately. Contact: Send current resume, letter of application addressing professional experience and characteristics applicable to the position, and names of three professional references to: Rebecca Eilers, Dean, College of Liberal Arts and Sciences, 100 Stevens Hall.

INFORMATION ON OPENINGS FOR CLASSIFIED POSITIONS

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

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

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

Exam time is approaching again. Below are some sites you may find helpful for writing exams.

<http://darkwing.uoregon.edu/~tep/assessment> The University of Oregon has a section dedicated to "Writing Multiple-Choice Questions that Demand Critical Thinking." You also will find "Important Considerations," "Practical Suggestions for Writing Exams," and "Techniques for Creating Questions."

<http://www.psu.edu/celt/largeclass/faqexams.html> From Pennsylvania State University's Center for Excellence in Learning & Teaching, this site specifically addresses exams for large classes. Topics include "How can I improve exam procedures in my class?" "How do I handle make-up exams/exam conflicts?" "What alternatives are there to multiple-choice tests?" Some of the information speaks directly to PSU; however, most suggestions and strategies can be applied anywhere.

<http://eagle.cc.ukans.edu/~cte> The Center for Teaching Excellence at the University of Kansas offers "Evaluating Learning: Writing Tests," and "General Testing Tips" (scroll to "Teaching Tips from CTE" at the bottom of the homepage).

The University of Maine System and the **Maine Humanities Council** invite applications for grants of up to \$5,000 for collaborative projects involving one or more of the System universities and individuals or non-profit organizations elsewhere in Maine to gather, document, and preserve information, experiences, and artifacts that illuminate Maine's rich cultural

heritage. Deadline: Jan. 15.

U.S. Department of Agriculture's Distance Learning and Telemedicine Loan and Grant Program will make FY01 grants of up to \$500K and loans of up to \$10M for projects that provide rural residents with enhanced opportunities for learning and for health care via advanced telecommunications technologies. Deadline: March 2.

Fund for the Improvement of Postsecondary Education, in cooperation with the Brazilian Ministry of Education, invites applications to support the formation of educational consortia of American and Brazilian institutions to encourage cooperation in the coordination of curricula, the exchange of students, and the opening of educational opportunities. Estimated average award: \$30,000 per year for four years. Deadline: March 30.

National Science Foundation's Major Research Instrumentation Grants assist in acquiring or devel-

oping a single research instrument, a large system of instruments, or multiple instruments that share a common research focus. Awards range from \$100K to \$2M. The University is limited to not more than three proposals. Interested PIs should submit to Assistant Vice President for Research Heather Almquist not later than Dec. 14 a one-page plan, a budget, and if a resubmission is proposed, also the reviews of the prior submission.

American Philosophical Society has revised its General Research Grants, now renamed Franklin Research Grants. The program will continue to support efforts in all scholarly areas except those in which governmental or corporate support is more appropriate. The maximum award has been increased to \$6,000 per year for up to two years, and there will be only one annual deadline, Oct. 1.

Spencer Foundation supports investigator-initiated research to improve education, defining education broadly to include all of the situations and institutions in which education proceeds, across the entire life span. In FY2000 it disbursed almost \$25M in grants and fellowships for research in all social and behavioral science disciplines, most humanities disciplines, and many professional and interdisciplinary fields. Inquiries and preliminary proposals are welcome at any time.

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

Cultural Affairs Committee Deadline for Proposals

The deadline to submit proposals to the Cultural Affairs/Distinguished Lecture Series Committee is Monday, Dec. 11. Proposal guidelines and applications are available by contacting Wanda Legere, President's Office, x1516.

REMINDER FROM THE FACULTY RESEARCH FUNDS COMMITTEE

The deadline for receipt of applications for the Summer Faculty Research Fund Award is 4:30 p.m., Wednesday, Dec. 13.

The award provides \$7,500 for faculty summer salaries for a minimum of 1.5 months research effort.

Contact Gayle Anderson, x1498, for information and/or the application form, or visit the Office of Research and Sponsored Programs Web site, (www.orsp.umesp.maine.edu (under Funding Sources)).

Winter parking on campus

UMaine's winter overnight parking ban will be in effect from now through May 1, according to the Department of Public Safety. All faculty, staff and commuter parking areas are closed to overnight parking during this period every year. No vehicles can be parked in these lots from midnight-6 a.m.

Those with questions should either consult a parking map, or call the Parking Office, 866-0290, or the Public Safety dispatch, 581-4040.

A vehicle parked in violation of the ban will be towed at the owner's expense.

Institutional Animal Care and Use Committee

The Institutional Animal Care and Use Committee (IACUC) reminds investigators/instructors that no research, teaching or testing activities using live vertebrate animals shall be initiated until IACUC has approved a protocol. The last meeting date this semester: Dec. 19.

Completed Protocol Review Forms should be submitted two weeks before the meeting date in order to be reviewed at that meeting. Protocol review forms and copies of the University's Policies and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498. Information also is available at www.ume.maine.edu/~spd/index.html

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

What's Ahead

**Marathon Reading
December 2**

**Campus Planning Committee
Public Hearing
December 4**

**ALANA Center Holiday Party
December 9**

**Yuletide Concert
December 10**

**Dance Showcase
December 13**

**Classes End
December 15**

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

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