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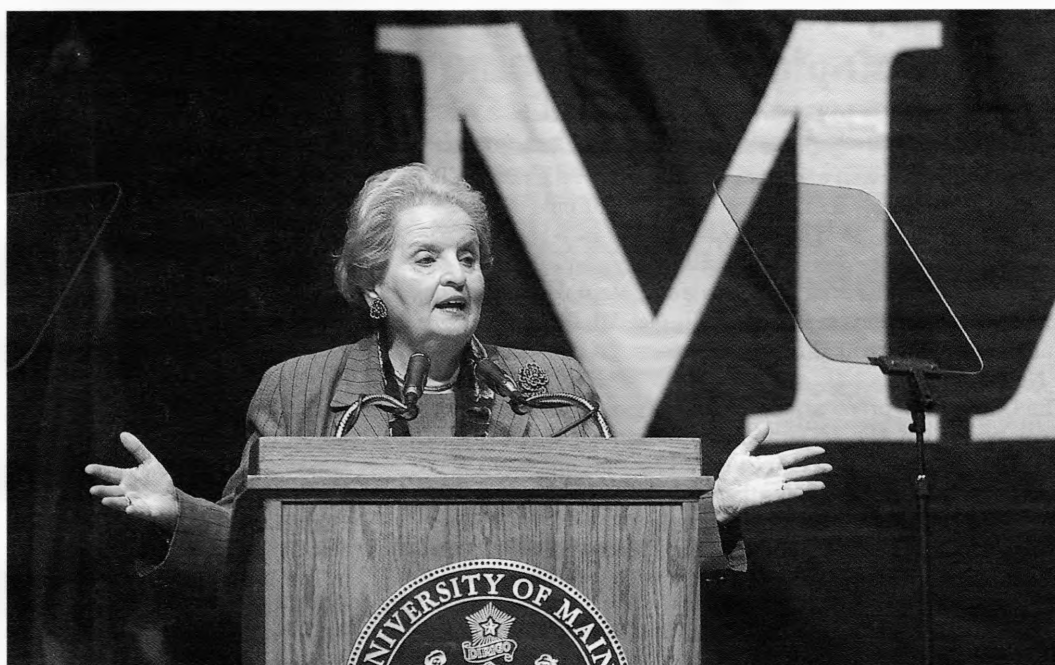
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MAINE Perspective



Following introductory remarks by Secretary of Defense William Cohen, Secretary of State Madeleine Albright spoke on international relations and foreign policy as she presented the second William S. Cohen Lecture before a near-capacity crowd in Hutchins Concert Hall Oct. 13. The event was broadcast live on Maine Public Television and the Internet, and covered by Washington based reporters and a French wire service, as well as the local media corps. Photo by Monty Rand

New Genetics Ph.D. Program Links Research Institutions in Orono, Bar Harbor and Portland

When Professor of Biochemistry Mike Vayda gives a lecture in his graduate-level course, Mechanisms of Gene Regulation, only about half of his 15 students are located on campus. Most are in Bar Harbor, and at least one is in Portland.

In coming weeks, several of the lectures will be given by scientists at The Jackson Laboratory and Maine Medical Center Research Institute (MMCRI).

The course is the latest in a series of cooperative ventures in a new molecular genetics program involving UMaine, Jackson Laboratory, MMCRI and the University of Southern Maine. The institutions are laying the groundwork for a molecular biology degree program that will give students new opportunities to work and study with scientists and in laboratories in each community.

Together, we can provide students with a breadth of education and laboratory experience that matches the best programs in the country.

Early efforts began last year with molecular genetics courses taught by UMaine faculty members Keith Hutchison and Robert Gundersen through a video conferencing network. The Maine Science and Technology Foundation recently gave the effort a boost with a \$261,081 grant to establish new videoconferencing facilities through the Internet2 system.

Each organization will contribute additional funding for renovations to house new conferencing equipment. Additional funding has been provided by UMaine's Office of Research for first-year stipends for three graduate students per year in the next three years. Stipends after the first year are expected from research and training grants.

"The potential for this arrangement is huge," says Vayda, who led discussions among the partners last year. "Each institution brings strengths that complement the others."

"At UMaine, we focus on natural resources. Our mission has been to support the state's economy, and it's natural that our research look at fish, forests and agriculture. The Jackson Lab is one of the world leaders in mammalian genetics, and

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In Perspective

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12 New Faculty

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



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OF AND FOR
THE
UNIVERSITY OF MAINE

VOL. 11, NO. 4
OCT. 18-NOV. 1, 1999

Primary Y2K Contingency Plans Completed for UMaine

Now It's Up to Departments and Individuals in the University Community to Get Y2K Ready

The countdown is well under way to the start of the new year and any Y2K problems that may result. Public forums will be held Oct. 20 and Oct. 28 to answer questions of members of the University community concerning contingency plans for campus and any Y2K concerns from individuals or UMaine departments.

The Q-and-A sessions are: 1:10-3 p.m., Oct. 20, Devino Auditorium (100 Corbett Business Building); 2-4 p.m., Oct. 28, 101 Neville Hall.

The University's preparations for Y2K began last fall when Information Technology (IT) initiated an inventory to identify equipment on campus that had potential for Y2K malfunction. The inventoried technology was then categorized into four levels: Level 1, that which could be life-threatening; Level 2, technology critical to the University's mission; Level 3, that which is mission-critical to departments or units; Level 4, desktop technology that is the responsibility of individuals.

From the standpoint of health and safety, and mission-critical items, the University is in extremely good shape for the year 2000. We haven't checked every machine and database on campus; those are the responsibility of end-users. Part of the continued awareness program is to get the word out to them.

Since last December, representatives of administrative departments have been invited to be part of the campus Y2K Committee, coordinated by Les Shaw, who also serves on the System's Y2K Committee. The committees of the System and the campus are responsible for Y2K problems that may threaten life (such as inoperative fire alarms or the 911 emergency system) and may jeopardize the institution's mission (from students' inability to register for classes to disabled security systems and environmental controls).

Security systems including locks and alarms in all buildings have been updated to be sure they are Y2K compliant and are undergoing regular checks. Friday, Dec. 31 and Saturday, Jan. 1, Facilities, Public Safety, Environmental Health and Safety, and Information Technologies staffs will be sweeping campus to identify and remediate any problems.

Beginning with residence halls, buildings on campus will be checked for basic safety requirements, including heat, power and health systems. Non-residential facilities will be closed and signs posted to prevent occupancy until safety checks are made and any problems corrected.

"Facilities people here have done a great job," says Ray Walters, who was hired in March as a Y2K analyst, and will remain on campus until the end of January. "Plans are in place if phone or power systems fail. Switches have been installed should generators be needed."

Loss of power was initially the biggest concern of UMaine officials, "but after serious conversations with the power companies, we now think those problems will be few," says Shaw. "We have a serious handle on mainframe computer applications and security systems. If there are problems, we expect them to be minor — ones we didn't anticipate."

This summer, the UMaine committee finalized contingency plans for a report to President Peter Hoff and review by the

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The Symbols of Maine

During Homecoming festivities this past weekend, new University of Maine logos were unveiled by UMaine President Peter Hoff.

The formal logo consists of a traditional crest combined with a wordmark. The informal logo is an updated version of UMaine's black bear mark.

The logos are part of a University advancement campaign to position UMaine as the leading land-grant university in New England.

The University crest embodies the history and values of the University of Maine, and its position as the flagship institution of the University of Maine System. The three flags within the crest represent UMaine's leadership status and symbolize its mission of teaching, research and public service. Maine's natural resources, and the University's position as a land- and sea-grant institution, are depicted in the colors of light and navy blue, representing sea and sky.

Development of the formal crest follows updating of UMaine's athletic logo, the black bear, this summer. The formal and informal logos are critical in helping establish the University's image.

The new logos were designed by Creative Services Senior Designers Val Williams, Mike Mardosa and Carol Nichols, following a year of discussions by a campus subcommittee.

University advancement efforts are lead by Vice President Susan Reardon.

MAINE PERSPECTIVE PUBLISHING SCHEDULE

Nov. 1 (copy deadline Oct. 15); Nov. 15 (copy deadline Oct. 29);
Nov. 29 (copy deadline Nov. 12); Dec. 13 (copy deadline Nov. 24)

MAINE Perspective

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Calendar

MAINE

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

OCTOBER 20 – NOVEMBER 3

20 Wednesday

"What's Up Down Under? Women's Studies in Australia," by Brenda Hall Taylor, director of postgraduate coursework, School of Social and Workplace Development, Southern Cross University, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Oct. 20, Bangor Lounge, Union. x1228.

Leading a Discussion, a Teaching Excellence Workshop by James Berg and Kristin Langellier, offered by the Center for Teaching Excellence, 1-3 p.m., Oct. 20, Dexter Lounge, Alford Arena. x3472.

"Who Invited Multinational Corporations to Dinner? Examining Genetically Modified Foods" - A Maine Time Conversation, 2 p.m., Oct. 20, Bangor Lounge, Union. x1406.

"Catching Up on College Reading," part of the Study Skills Series, offered by Multicultural Student Affairs, 2:15-3 p.m., Oct. 20, FFA Room, Union. x1405. *A Maine Time event.*

Sigma Chi Heritage House Open House, featuring tours of the newly reopened facility and light refreshments, 3-5 p.m., Oct. 20, Sigma Chi, 105 College Ave. x1151.

"Signaling Mechanisms During Egg Activation," by Kathleen Foltz, Department of Molecular, Cellular and Developmental Biology and the Marine Science Institute, University of California - Santa Barbara, a Department of Biochemistry, Microbiology and Molecular Biology Staples Lecture, with reception in lobby preceding seminar, 3 p.m., Oct. 20, 102 Murray Hall. x2815.

Faculty Senate Meeting, 3:15 p.m., Oct. 20, Mahogany Room, Wells Commons. x1167.

Applying to Graduate School, a Job Search Workshop offered by the Career Center, 3:30 p.m., Oct. 20, Third Floor, Chadbourne Hall. Preregistration requested. x1359.

"Using a Family-Based Treatment Model in Speech Language Pathology," by Susan Riley, part of the Department of Communication Sciences and Disorders Fall Colloquium Series, 5:15-6 p.m., Oct. 20, 100 Neville Hall. x2006.

Volleyball: UMaine vs. New Hampshire, 7:30 p.m., Oct. 20, Gym. xBEAR.

21 Thursday

"How Dolly Came to Be: A Historical Perspective on Cloning," by Kathleen Foltz, Department of Molecular, Cellular and Developmental Biology and the Marine Science Institute, University of California - Santa Barbara, a Department of Biochemistry, Microbiology and Molecular Biology Staples Lecture, 9 a.m., Oct. 21, 102 Murray Hall.

Introduction to Illustrator, a Fogler Library Web/Desktop Publishing Workshop, 9-11 a.m., Oct. 21, Computer Classroom, Fogler Library. Register by calling x1696.

"NOW Comes to Maine: Overcoming the Attack on Reproductive Rights," by Patricia Ireland, national president of the National Organization for Women, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Oct. 21, Bangor Lounge, Union. x3860.

"Integrating Archaeology and the Palaeo-Landscape: Recent Archaeological Research at Port Au Choix, Newfoundland," by Priscilla Renouf, professor, Memorial University of Newfoundland, an Archaeology Seminar offered by the Canadian-American Center, Quaternary Studies and Department of Anthropology, 7 p.m., Oct. 21, 100 Edward Bryand Global Sciences Center. x4220.

"Teaching Controversial Art," by William Wightman, assistant professor of art, Adams State College, Colorado, part of the Department of Art Guest Lecture Series, 7 p.m., Oct. 21, 206 Rogers Hall. x3245.

"Voting for Women's Lives," by Patricia Ireland, national president of the National Organization for Women, offered by Women in the Curriculum, 7 p.m., Oct. 21, Minsky Recital Hall, Class of 1944 Hall. x1228.

22 Friday

"Financial Strategies for a New Century: Tips from America's Experts," a national teleconference, coordinated by the Employee Health and Benefits Office, 1-2:30 p.m., Oct. 22, 100 Nutting Hall. x1640.

University Credit Union will celebrate International Credit Union Week Friday, Oct. 22. Stop by the Credit Union for refreshments and give-a-ways throughout the day. Monty Moose will be there.

Men's Soccer: UMaine vs. Hofstra, 2:30 p.m., Oct. 22, North Athletic Fields. xBEAR.

"Forest Fungi Across North America," by Tom Volk, University of Wisconsin, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., Oct. 22, 102, Murray Hall. x2970.

Men's Ice Hockey: J.C. Penney Hockey Classic, Connecticut vs. Canisius, 4 p.m.; UMaine vs. New Brunswick, 7 p.m., Oct. 22, Alford Arena. Admission fee. xBEAR.

The Tempest, a Maine Masque theater production, directed by Tom Mikotowicz, part of the Maine Center for the Arts and School of Performing Arts performance seasons, 7:30 p.m., Oct. 22, Hauck Auditorium, Union. Admission fee. x1755.

23 Saturday

Make a Difference Day is Saturday, Oct. 23. Throughout the country, people are volunteering their time to make a difference in their communities. If you are interested in helping out as an individual or a group, contact VOICE, x1796.

"Rock Climbing - Learning to Lead," offered by Maine Bound, 8 a.m.-4 p.m., Oct. 23. Register by calling x1794.

"YAK Youth Adventure Club Session 1," Maine Bound youth program for ages 9-12, 8:30 a.m.-4 p.m., Oct. 23, Maine Bound Office, Union. Register by calling x1794.

Red Cross Liaison I: Conducting Community Collaborations (Training), offered by VOICE, 9 a.m.-5 p.m., Oct. 23, Walker Room, Union. Register by calling 941-2903.

"The Arts of Mexico," a teacher workshop, including a hands-on project with ceramic artist Randy Fein, 9 a.m.-3 p.m., Oct. 23, Hudson Museum. x1901.

"The Archaeology of Pre-European Maine: Accomplishments and Future Directions," by David Sanger, part of Maine Archaeology Week, 1 p.m., Oct. 23, 107 Corbett Business Building. x1894.

"Trading at the Acadian Frontier: New Discoveries at the Richard Foxwell House 1633-1636," by Alaric Faulkner and David Klinge, part of Maine Archaeology Week, 2 p.m., Oct. 23, 107 Corbett Business Building. x1894.

Men's Ice Hockey: J.C. Penney Hockey Classic, Consolation game, 4 p.m.; Championship game, 7 p.m., Oct. 23, Alford Arena. Admission fee. xBEAR.

The Tempest, a Maine Masque Production, directed by Tom Mikotowicz, part of the School of Performing Arts Season, 7:30 p.m., Oct. 23, Hauck Auditorium, Union. Admission fee. x1755.

Oklahoma, performed by Bangor Community Theatre, 8 p.m., Oct. 23, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. x1755.

24 Sunday

"Advance Self-Rescue for Rock Climbers," offered by Maine Bound, 8 a.m.-4 p.m., Oct. 24. Register by calling x1794.

Men's Soccer: UMaine vs. Drexel, 1 p.m., Oct. 24, North Athletic Fields. xBEAR.

The Tempest, a Maine Masque Production, directed by Tom Mikotowicz, part of the School of Performing Arts Season, 2 p.m., Oct. 24, Hauck Auditorium, Union. Admission fee. x1755.

Oklahoma, performed by Bangor Community Theatre, 3 p.m., Oct. 24, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. x1755.

25 Monday

"The 51% Rule," by Lee Perry, commissioner of Maine Inland Fisheries and Wildlife, part of the Wildlife Ecology Seminar Series, noon, Oct. 25, 204 Nutting Hall. x2862.

"Preparing for the 21st Century Through EcoPeace Initiatives," by Emily Markides, former Commonwealth consultant, part of Peace Week: "Roots of Conflict, Seeds of Peace," 12:15-1:45 p.m., Oct. 25, Bangor Lounge, Union. x2609.

Films: The Language of War and Gun Society, part of Peace Week: "Roots of Conflict, Seeds of Peace," 3:30-5 p.m., Oct. 25, 101 Neville Hall. x2609.

"The Search for Forgiveness: Returning to the Den of Lions," by journalist Terry Anderson, hostage in Lebanon from 1985-92, the keynote address of Peace Week: "Roots of Conflict, Seeds of Peace," 7:30 p.m., Oct. 25, Hutchins Concert Hall, Maine Center for the Arts. x2609.

26 Tuesday

Breakfast Conversation: Informal Gathering with Terry Anderson, AP reporter held hostage in Lebanon from 1985-92, part of Peace Week: "Roots of Conflict, Seeds of Peace," 8:30-10 a.m., Oct. 26, Dexter Lounge, Alford Arena. x2609.

"Calpains: Structure, Function and Regulation," by Dorothy Croall, part of the Chemistry Seminar Series, 11 a.m., Oct. 26, 316, Aubert Hall. x1169.

New Faculty Luncheon, with discussion on the topic of employee benefits, offered by the Center for Teaching Excellence, noon-1 p.m., Oct. 26, Private Dining Room, Wells Conference Center. Register by calling x3472.

"Voices of War Pleading for Peace," by Robert Taylor, former U.S. Army captain in Vietnam and author of *The Innocent*, part of Peace Week: "Roots of Conflict, Seeds of Peace," 12:30-1:45 p.m., Oct. 26, Bodwell Lounge, Maine Center for the Arts. x2609.

FileMaker (Claris) HomePage I, a Fogler Library Web/Desktop Publishing Workshop, 2-4 p.m., Oct. 26, Computer Classroom, Fogler Library. Register by calling x1696.

Movie: Dreamworlds II, part of Peace Week: "Roots of Conflict, Seeds of Peace," 3:30-5 p.m., Oct. 26, 101, Neville Hall. x2609.

"Outdoor Seminar - Personal Gear and Pack Fitting," offered by Maine Bound, 5-6 p.m., Oct. 26. To register, call x1794.

"IPM: What It Is and How to Put It to Use," by Ronald Kujawski, landscape and nursery specialist, Agroecology Program, University of Massachusetts Extension Service, part of the Environmental Horticulture Fall Seminar Series, 6:30 p.m., Oct. 26, 100 Nutting Hall. x2768.

Coffeehouse with Jennings & Ponder, offered by The Union Board, 8 p.m., Oct. 26, Peabody Lounge, Union. x1735.

27 Wednesday

"Planning to Retire? Financial Steps for Today," two presentations by Judy Groth, American Express financial advisor, 8-9 a.m. and 2-3 p.m., Oct. 27, Lown Room, Union.

Scanning, a Fogler Library Web/Desktop Publishing Workshop, 9-11 a.m., Oct. 27, Computer Classroom, Fogler Library. Register by calling x1696.

"On the Ball: Women and Sports After Title IX," with Tracey Flynn, Nellie Orr and UMaine Sports Hall of Famer Emily Ellis Throckmorton, part of the Women in the Curriculum Lunch Series and Peace Week: "Roots of Conflict, Seeds of Peace," 12:15 p.m., Oct. 27, Bangor Lounge, Union. x1228.

"How Young Is Old Enough? Reconsidering the Drinking Age" - A Maine Time Conversation, 2 p.m., Oct. 27, Bangor Lounge, Union. x1406.

President Hoff's Open Office Hour, 2-3 p.m., Oct. 27, President's Office, Alumni Hall. x1512.

"Final Exam Preparation," part of the Study Skills Series, offered by the Multicultural Student Affairs, 2:15-3 p.m., Oct. 27, FFA Room, Union. x1405. A Maine Time event.

Movie: Affluenza, part of Peace Week: "Roots of Conflict, Seeds of Peace," 3:30-5 p.m., Oct. 27, 101 Neville Hall. x2609.

28 Thursday

The Tempest, a Maine Masque Production, directed by Tom Mikotowicz, part of the School of Performing Arts Season, noon, Oct. 28, Hauck Auditorium, Union. Admission fee. x1755.

Flu Clinic, for employees and dependents enrolled in University of Maine System Health Plans, present University of Maine System BlueCross BlueShield card at time of immunization, 8 a.m.-4:30 p.m., Oct. 28, 220 Corbett Hall. For appointment call x2366.

"Prospects for Israeli-Palestinian Peace," by Alex Grab, part of the Socialist and Marxist Studies Luncheon Series and Peace Week: "Roots of Conflict, Seeds of Peace," 12:30 p.m., Oct. 28, North Lown Room, Union. x3860.

Ongoing Events

Exhibits/Demonstrations/Tours

Gary Stephan: Same Body Different Day, a Museum of Art exhibit, through Oct. 23, Carnegie Hall. x3255.

Nothing to Hide: Mental Illness in the Family, a photo-text exhibit presented by Community Health and Counseling Services, part of Mental Illness Awareness Week, through Oct. 31, Hauck Lobby, Union. x4194.

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

Meetings of Groups/Organizations

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

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

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

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

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

Maine Time Conversations, every Wednesday, 2-3 p.m., Bangor Lounge, Union. x1734.

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

Open Office Hour with Interim Provost Don Zillman, every Thursday, 9 a.m., 201 Alumni Hall.

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

Special Notes

Farmers' Market, 8 a.m.-1 p.m., every Saturday; 2-5:30 p.m., every Tuesday, Steam Plant Parking Lot.

"Conversation on Forgiveness," with Vietnam veteran Bob Whelan; Tom Ewell, director, Maine Council of Churches and leader of the Restorative Justice Movement in Maine; and Nasser Rohanni, religious refugee from Iran, part of Peace Week: "Roots of Conflict, Seeds of Peace," 3:30-5 p.m., Oct. 28, Sutton Lounge, Union. x2609.

"Holistic Health: Medicine for the 21st Century," by Dr. Ifeoma Ikenze, homeopathic practitioner, introduced by Kyriacos Markides, part of Peace Week: "Roots of Conflict, Seeds of Peace," 7 p.m., Oct. 28, 101 Neville Hall. x2380.

Performance by the Band Apartment Three, part of Thursday Night in the Bear's Den series, offered by The Union Board, 9 p.m., Oct. 28, Union. x1735.

29 Friday

"The Poet Robert Hayden: A Voice for Racial Unity," by Lynn Ascrizzi, 1999 Robert Hayden Poetry Fellow, part of Peace Week: "Roots of Conflict, Seeds of Peace," 12:15-1:30 p.m., Oct. 29, Bangor Lounge, Union. x2609.

Field Hockey: UMaine vs. Towson, 3 p.m., Oct. 29, Alford Stadium. xBEAR.

Women's Ice Hockey: UMaine vs. Concordia, 7 p.m., Oct. 29, Alford Arena. xBEAR.

The Tempest, a Maine Masque Production, directed by Tom Mikotowicz, part of the School of Performing Arts Season, 7:30 p.m., Oct. 29, Hauck Auditorium, Union. x1755.

30 Saturday

"YAK Youth Adventure Club Session 1," Maine Bound youth program for ages 9-12, 8:30 a.m.-4 p.m., Oct. 30. Register by calling x1794.

Northeastern Mesoamerican Conference, featuring presentations and discussions on archaeology of Mexico and Central America, offered by the Hudson Museum, 9 a.m.-5 p.m., Oct. 30. Registration fee. x1901.

Red Cross Emergency Assistance to Families I (Training), offered by VOICE, 9 a.m.-5 p.m., Oct. 30, Walker Room, Union. Register by calling 941-2903.

Culturefest, featuring cultural exhibits, 11 a.m.-5 p.m.; children's activities and food, 11 a.m.-2 p.m.; talent show, 2-3:30 p.m.; style show, 3:45-4:30 p.m., part of International Week, 11 a.m., Oct. 30, Union and Maine Center for the Arts. x2905.

Men's and Women's Swimming and Diving: UMaine vs. Central Connecticut, 11 a.m., Oct. 30, Wallace Pool. xBEAR.

Men's Soccer: UMaine vs. New Hampshire, 1 p.m., Oct. 30, North Athletic Fields. xBEAR.

Volleyball: UMaine vs. Hofstra, 1 p.m., Oct. 30, Gym. xBEAR.

The Tempest, a Maine Masque theater production, directed by Tom Mikotowicz, part of the Maine Center for the Arts and School of Performing Arts performance seasons, 2 p.m., Oct. 30, Hauck Auditorium, Union. Admission fee. x1755.

Maine State Marching Band Championships, with more than 1,000 students from 15 high schools competing, 4 p.m., Oct. 30, Alford Stadium. Tickets at the door.

Women's Basketball: Blue/White Exhibition, 6:30 p.m., Oct. 30, Alford Arena. xBEAR.

Orchestra Concert, directed by Anatole Wiecek, part of the School of Performing Arts Season, 7:30 p.m., Oct. 30, Minsky Recital Hall, Class of 1944 Hall. Admission fee. x1755.

The Tempest, a Maine Masque Production, directed by Tom Mikotowicz, part of the School of Performing Arts Season, 7:30 p.m., Oct. 30, Hauck Auditorium, Union. Admission fee. x1755.

Men's Basketball: Blue/White Game, 8 p.m., Oct. 30, Alford Arena. Admission fee. xBEAR.

31 Sunday

Northeastern Mesoamerican Conference, featuring presentations and discussions on the archaeology of Mexico and Central America, 9 a.m.-noon, Oct. 31, Hudson Museum. Registration fee. x1901.

Field Hockey: UMaine vs. Delaware, noon, Oct. 31, Alford Stadium. xBEAR.

Volleyball: UMaine vs. Drexel, 1 p.m., Oct. 31, Gym. xBEAR.

The Tempest, a Maine Masque theater production, directed by Tom Mikotowicz, part of the MCA and School of Performing Arts performance seasons, 2 p.m., Oct. 31, Hauck Auditorium, Union. Admission fee. x1755.



Five acrylic paintings by art major Bernice Cross of Greenbush will soon be installed in the Commuter Lounge in Memorial Union. Three works on canvas – one of which is pictured here – are part of a series, *1, 2, 3, Ready or Not, Here I Come*. The paintings, completed in the past year, are Cross' self-explorations of what it means to be a nontraditional student. The exhibit is part of the programming of the Commuter/ Nontraditional Student Services Office. Cross

has painted throughout her life. Prior to enrolling in the Onward Program in 1996, she was a single mother working as a security guard. She is now a junior and president of the Student Art League. Her works are exhibited elsewhere on campus, and were in a show at the Wilson Fox Gallery, Rockland, in summer 1998. An opening reception is planned in the Commuter Lounge; watch the UMaine Master Calendar for details.

1 Monday

"Holy Faces for Holy Spaces: Popular Mexican Religious Paintings of the 19th Century," by Gloria Frasier Giffords, private conservator, Tucson, part of the Hudson Museum Lecture Series, 2 p.m., Nov. 1, Hudson Museum, Maine Center for the Arts. x1901.

2 Tuesday

"The Future of E-commerce," by Peter Tarasewich, part of the Maine Business School Emerging Business Issues for Maine Breakfast Series, 7:30-9 a.m., Nov. 2, Black Bear Inn. Reservations. x1973.

Chemistry Seminar by Elizabeth Stemmler, Bowdoin College, part of the Chemistry Seminar Series, 11 a.m., Nov. 2, 316 Aubert Hall. x1169.

"Québec and Canada: Nation-Building in the North?" by Marc Boucher, U.S. National Affairs director for the Québec government, a Canadian Studies Distinguished Lecturer, part of Canada Week and International Week, noon-1:30 p.m., Nov. 2, Bodwell Lounge, Maine Center for the Arts. x4220.

"In the Drivers' Seat: The Penobscot Theatre Company Highlights Women in the Theatre," with Kate Powers, director of *How I Learned to Drive*, and actors from Penobscot Theatre Company, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Nov. 2, Bangor Lounge, Union. x1228.

FrontPage 1, a Fogler Library Web/Desktop Publishing Workshop, 2-4 p.m., Nov. 2, Computer Classroom, Fogler Library. Register by calling x1696.

"Outdoor Seminar - Leave No Trace," offered by Maine Bound, 5-6 p.m., Nov. 2. Register by calling x1794.

"Lessons and Questions from Street Tree Inventories," by Doug Fox, associate professor of arboriculture and community forestry, Unity College, part of the Environmental Horticulture Fall Seminar Series, 6:30 p.m., Nov. 2, 100 Nutting Hall. x2768.

Roger Whittaker in Concert, part of the Maine Center for the Arts performance season, 7 p.m., Nov. 2, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. x1755/ x1888 (TDD).

Coffeehouse with Casey McCann, offered by The Union Board, 8 p.m., Nov. 2, Peabody Lounge, Union. x1735.

3 Wednesday

Classified Employees Advisory Council (CEAC) Meeting, 11 a.m.-12:30 p.m., Nov. 3, Bangor Lounge, Union.

Canadian Lecture Series Brown Bag Lunch, featuring presentations by faculty and graduate students in Canadian studies, part of Canada Week and International Week, noon-1:30 p.m., Nov. 3, Bodwell Lounge, Maine Center for the Arts. x4220.

People in Perspective

Mary Young's office phone rings – a lot. One minute, someone is calling with information about a long-lost graduate. The next call is from a reporter hoping to verify a graduation date of an illustrious alumna. At least 10 times a week, alumni call looking for former classmates, including boyfriends and girlfriends of days gone by.

The Alumni Records Office in Crossland Hall is part information clearinghouse and archives, part lost and found, part amateur detective agency. For decades, it has documented the academic, professional and personal achievements of students who come and go from the UMaine campus, and how they continue to make the world a different place.

Through the efforts of Young and record technicians before her, the University has a means of contacting and recognizing the achievements of alumni – and vice versa. The goal is not just to communicate the latest news and needs of the University but to be the main source of accurate records for 88,127 alumni who continue to be part of UMaine's promise for tomorrow.

"When they have success stories to tell, they all say they are due to the preparation they received at the University," Young says.

Young has worked in Alumni Records for the past 13 years. She learned the ins and outs of alumni record-keeping from Bea Pressey, who retired in 1993 after a 25-year career with the Alumni Association. For the past four years, Pressey has worked part time to aid in the monumental effort of digitizing alumni records.

Now, in addition to alumni data maintained in an information management system since 1974, the office keeps electronic copies of documents – from clippings to correspondence and citations. The scanning of documentation reduces storage needs, improves preservation of information that could be lost on deteriorating hard copies, and provides the capacity to accumulate more data than ever before.

"You can see people's lives and history inside these folders, and every day we're adding to them," says Young, looking at shelf upon shelf of color-coded standing files. "There's something about looking at an old letter from years ago, a newspaper clipping or correspondence from the war. The folders contain biographical sheets filled out when alumni were prospective students. There are newspaper clips of weddings and birth announcements, promotions and awards, and photos. It is fascinating to see what so many people have done with their lives.

"I usually work at Reunion registration to see all the people whose lives I know about through their folders or by talking to them on the phone."

Alumni Records uses a national clipping service to get news and information about graduates far afield. Young also is aided by alumni who send in informational notices or clippings.

Up until a few years ago, the office benefited from the vigilant volunteer alumni record keeping of such alums as Mildred "Brownie" Schrupf, a member of the Class of '25. Schrupf called Alumni Records daily and visited monthly with bits of information and updates on any of the hundreds of alumni she knew. She could be counted on to answer almost any particularly perplexing questions about older alumni.

Prior to 1952, only alumni records of those earning bachelor's degrees were maintained. After 1974, records were no longer kept on UMaine students who did not earn a degree.



Mary Young

Photo by Monty Rand

Today, alumni record keeping can begin with notices of awards or achievements that students earn before they graduate.

"A lot of my work is updating addresses," says Young. "There is so much mail that goes out of here, and we have some mail that returns with requests for address changes or notices of addresses unknown. Then it becomes a matter of tracing people."

Young will send a postcard to a last-known address, or to a relative or friend an alum has mentioned in past correspondence. In recent years, the office's Alumni Locator Service also has been enhanced by the Internet.

Despite such diligence, an estimated 15 percent of UMaine alumni are considered "lost," with no way to contact them. It is estimated that the average college graduate now moves at least eight times in the first five years after graduation.

In addition to helping graduates stay in touch with each other, the office is a resource for non-alumni. "I have had people in the past come in looking for relatives they know went to the University," says Young. "For instance, I had one woman from Pennsylvania who was trying to find her half-brother who graduated from UMaine. Her parents had passed away and she thought she was all alone until she learned her father had another family in Maine. While we couldn't give her his address, we did send him a tracer card explaining how he could get in touch."

Serving alumni by maintaining ties between them and their alma mater strengthens the institution, says Young.

"Through the years, if it were not for these people, there would be no University," says Young. "They are the University."

WMEB SPONSORING FOOD DRIVE

WMEB, the UMaine student radio station, has launched a non-perishable food drive aimed at making Thanksgiving donations for area families. Those interested in donating are asked to stop by the studio in East Annex. For each item donated, the person making the gift will be entered into a raffle with the winner getting to be on the bench with the UMaine hockey team during the Dec. 12 game against Quinnipiac. Due to NCAA regulations, high school students can not win the raffle.

Center Stage

School of Performing Arts

Theater Season Opens with *The Tempest*

Fantasy and philosophy will fill the Hutchins Concert Hall when Maine Masque opens its season with Shakespeare's *The Tempest*.

A cast of 20, directed by Associate Professor of Theatre Tom Mikotowicz, will bring the classic to life in performances at 7:30 p.m., Oct. 22-23 and Oct. 29-30; 2 p.m., Oct. 24 and Oct. 30-31; noon, Oct. 28.

The Tempest is set on an enchanted island, where shipwrecked sailors cavort with fairies, sorcerers and royalty, and each character faces an internal struggle between intellect and instinct.

Mikotowicz and his design team have taken a traditional fantasy interpretation, complete with ballet-inspired spirits and complex makeup to transform Caliban into a fish-beast. But to explore the relationship between the natural and the civilized, Mikotowicz has turned to technology, basing set treatments on today's action-fantasy computer games like "Myst," as well as 19th-century views of technology and progress as described by H.G. Wells and Jules Verne.

Costume design by Associate Professor Jane Snider, assisted by students and volunteers, has drawn inspiration, in part, from the fantasy world young and old readers know as Dinatopia.

Remembering Strauss

The 100th anniversary of the death of Johann Strauss Saturday, Oct. 30, will be commemorated with a University Orchestra performance of the overture from the Austrian composer's 1847 operetta, *Die Fledermaus*.

Associate Professor of Music Curvin Farnham, who serves as associate conductor of the University Orchestra, will lead the performance of the Strauss waltz, as well as a composition, for winds only, by Assistant Professor of Music Beth Wiemann.

Conductor of the 40-member University Orchestra, Associate Professor of Music Anatole Wieck, will direct the first movements of Beethoven's Symphony No. 3, *Eroica*, and Vaughn Williams' *English Folk Songs*. Also on the program are the *Holberg Suite* by Edvard Grieg, and a selection from Pietro Mascagni's opera, *Cavalleria Rusticana*.

The concert begins at 7:30 p.m., Minsky Recital Hall.

ACADEMIC ADVISING PRESENTATION

"Academic Advising: Campus Collaboration to Foster Retention" will be presented via satellite Thursday, Nov. 4, 1-3 p.m., 102 Murray Hall. The satellite downlink is sponsored by the Office of the Vice Provost for Undergraduate Education.

With the increasing importance of advising to all of our institutional goals, especially retention, the need for up-to-date information and guidance on successful advising is clear. The National Academic Advising Association (NACADA) will present the most recent issues, information and techniques in a live, interactive forum exploring:

- ▼ Critical factors to take into account when advising students.
- ▼ Techniques for successful advising.
- ▼ Organizational models that use collaboration to deliver advising.
- ▼ Ways to provide ongoing updates and assistance to advisors.
- ▼ Assessment of advising programs.
- ▼ Rewards and recognition for advisors.

The event is free, but space is limited to 130 participants. It is available to any advisor at the University of Maine campus. Call 581-1519 or e-mail Betty_kalogeris@umit.maine.edu to reserve a space.

Look Who's On Campus

KATHLEEN FOLTZ of the Department of Molecular, Cellular and Developmental Biology and the Marine Science Institute at the University of California - Santa Barbara, will deliver a research seminar and a lecture as the Department of Biochemistry, Microbiology and Molecular Biology Staples Lecturer. Foltz will speak at 3 p.m., Wednesday, Oct. 20, on "Signaling Mechanisms During Egg Activation," and at 9 a.m., Thursday, Oct. 21, on "How Dolly Came to Be: A Historical Perspective on Cloning." Both will be in 102 Murray Hall.



PATRICIA IRELAND, president of the National Organization for Women, will give two talks Thursday, Oct. 21. At 12:30 p.m., Bangor Lounge, Ireland will speak on "Overcoming the Attack on Reproductive Rights." That evening at 7, Minsky Recital Hall, she will speak on "Voting or Women's Lives." Ireland became NOW's president in 1991. Her contributions include organizing NOW activists to defend women's access to abortion, elect a record number of women to political office, work more closely in coalitions with other social justice and civil rights groups, and champion international feminist issues.

WILLIAM WIGHTMAN, assistant professor of art at Adams State College, Colorado, will speak at 7 p.m., Thursday, Oct. 21, 206 Rogers Hall, on "Teaching Controversial Art." Wightman teaches art methods, art survey for non-art majors, and histories of contemporary art and art of women. For the past decade, he has been researching classroom talk in the presence of controversial art imagery, analysis of art instruction by preservice teachers, and ethnomethodology to assess instructional practices.



TERRY ANDERSON, the Associated Press reporter held hostage in Lebanon from 1985-92, will give the keynote address for Peace Week '99 at 7:30 p.m., Monday, Oct. 25, Hutchins Concert Hall, on "The Search for Forgiveness: Returning to the Den of Lions." Anderson also will participate in informal Breakfast Conversation, 8:30-10 a.m., Tuesday, Oct. 26, Dexter Lounge. Anderson was covering Beirut as chief Middle East correspondent when he was kidnapped by Shiite Muslims.

Since his release, he has emerged as an advocate of human rights and grassroots change around the world. Anderson, a nationally syndicated columnist and talk radio host, is the author of *Den of Lions*. He is the Scripps Visiting Professional at Ohio University.

ROBERT TAYLOR, author of *The Innocent*, will speak on "Voices of War Pleading for Peace" at 12:30 p.m., Tuesday, Oct. 26, Bodwell Lounge, Maine Center for the Arts. Taylor was a U.S. Army captain assigned to the Pentagon from 1963-66 and to Vietnam in 1967. He has been the editor of *Transportation U.S.A.*, assistant editor of *Music Educators Journal*, and deputy editor of *America Illustrated*, a Russian-language magazine distributed in Russia. He lives in Blue Hill. *The Innocent* is his first novel.

Nigerian-born **DR. IFEOMA IKENZE**, founder and director of the Elizabeth Medical Clinic for Pediatrics and General Homeopathic Medicine in Kentfield, Calif., will speak at 7 p.m., Thursday, Oct. 28, 101 Neville Hall, on "Holistic Health: Medicine for the 21st Century." Ikenze was trained in conventional medicine. Through her medical practice and her continuing studies, she searched for ways of treating patients, not just to cure a disease but to heal the whole person. In 1985, she trained at La Maison de la Vie Naturopathic and Homeopathic Clinic in Montreal, beginning her study of homeopathic and nutritional treatments, as well as allopathic treatments. She emphasizes the spiritual, mental, emotional and physical unity of the individual.

MARC BOUCHER, U.S. National Affairs director for the Québec government, will speak at noon, Tuesday, Nov. 2, on "Québec and Canada: Nation-Building in the North?" Boucher, who is headquartered in New York, has an extensive background in international economic, political and academic affairs. This is his fourth appointment abroad as a representative of the Government of Québec. Boucher is the former assistant director of UMaine's Canadian-American Center.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Marriage of Fiber-Reinforced Polymers and Engineered Wood Boosts Multibillion-Dollar Industry

Four leading engineering, technology and marketing organizations have signed an agreement to jointly support research and commercialize the results in a new generation of advanced FRP/engineered wood composite materials that combine wood and fiber reinforced polymer (FRP) composites.

The agreement was signed in Bar Harbor at the First International Wood Composites Conference in July by representatives of the University of Maine Advanced Engineered Wood Composites Center (AEWC), the USDA Forest Products Laboratory, APA/The Engineered Wood Association and the Market Development Alliance (MDA) of the FRP Composites Industry. Key objectives in the agreement include coordinated research and development, as well as evaluation of materials that meet the needs of the wood industry for new products.

"This agreement signifies a true commitment from both the FRP composites and wood industry for joint development activities," says Habib Dagher, AEWG director. "Our research has already demonstrated the potential for this technology to lower costs, increase efficiency and improve the performance of structures. Our goal is to demonstrate the reliability of new applications and move as quickly as possible to the marketplace."

"The new FRP/engineered wood composites technology is expected to create a 'family' of products that will permit the wood industry to make more effective use of increasingly scarce high-grade wood resources," says Ted Humphrey, chair of MDA. "FRP and our technologies will also allow wood producers to employ lower-strength grades of wood that are not presently allowed by contributing increased tensile strength to their products. For example, researchers at the University of Maine have shown that adding only 1 percent by volume of FRP

composite to selected areas of engineered wood structures can increase product strength by up to 46 percent."

Provisions of the agreement address issues such as disclosure of proprietary information, exchanges of personnel and review of technologies proposed for evaluation. The four organizations also agree to maintain an information database of FRP-wood technologies and applications.

Engineered wood products include panels such as plywood and oriented strand board, as well as glued laminated wood beams, laminated veneer lumber and I-joists. Some of these products have been used as structural materials for more than 100 years. Research leading to the reinforcement of some of these products can be traced back to 1917 when the USDA Forest Products Laboratory first proposed designs for reinforced wood products. Since then, researchers have

sought new ways to blend the resilience and strength of wood with the benefits of glass and carbon fibers.

Since 1992, the production of plywood and oriented strand board has increased more than 25 percent and is expected to reach 38.75 billion square feet in 1999. Wood I-joist production is expected to increase 15 percent and laminated veneer lumber (LVL) 17 percent this year.

Signing the two-page agreement were James Ward of UMaine, Ted Humphrey of the MDA, David Rogoway of APA/The Engineered Wood Association and Thomas Hamilton of the USDA Forest Products Laboratory.

The agreement does not mention specific research projects or financial commitments by the organizations. Those arrangements will be covered by separate agreements among the consortium partners.

Speakers at the wood composites conference in Bar Harbor pointed to a variety of practical applications, including commercial building construction, pallets, bins and containers, furniture, concrete forms, bridges, utility poles, and truck and rail car liners, where FRP/engineered wood composites may have market opportunities.

Since 1988, the number of engineered wood manufacturing plants in North America has more than doubled; many are located in the Southeast and Northwest United States, and across Canada.

Among the goals of wood and FRP composites researchers are:

- ▼ stronger products made with low-grade wood species.
- ▼ standardized testing protocols to evaluate new products.
- ▼ more efficient use of wood fiber.
- ▼ new structural systems that maximize the properties of FRP/engineered wood composites.
- ▼ knowledge of how wood, adhesives and FRPs perform over a range of environmental conditions and stresses.

THE CONSORTIUM PARTNERS

▼ UMaine's Advanced Engineered Wood Composites (AEWC) Center conducts research on new applications and structural properties of wood composite systems. AEWG has 20 faculty and staff and has earned more than \$8 million in public- and private-sector funding.

▼ APA/The Engineered Wood Association is a nonprofit trade association representing plywood, oriented strand board, glued laminated timber, wood I-joists, laminated veneer lumber, and other engineered wood composites manufacturers in the U.S., Canada and abroad. Its primary functions are quality auditing and testing, research and development, and market support and development.

▼ The Forest Products Laboratory (FPL) is a federal laboratory that conducts wood, paper and composites research. It is a part of the USDA Forest Service research organization. Research focuses on conservation of wood fiber, including use of low-value material, efficiency in processing and use, durability, and recycling, and technologies to reduce environmental impacts in wood processing and use.

▼ Market Development Alliance (MDA) of the FRP Composites Industry is a nonprofit trade association of material suppliers, fabricators and consultants in the fiber-reinforced polymer (FRP) composites industry. MDA is the leading force for business growth in the composites industry. Its mission is to develop new opportunities for the composites industry by partnering with government, academia, and end-user industries to grow the markets for FRP composites. The FRP composites industry in the U.S. produces approximately 3.7 billion pounds of materials per year in diverse markets including transportation, marine, corrosion-resistant equipment, consumer products and aerospace/defense. Since 1993, the MDA has been focused on developing structural applications for FRP composites in civil engineering.



1999 Maryann Hartman Award recipients are, left to right, Donna Loring, Glenna Smith and Esperanza Stancioff.

Hartman Awards Slated Nov. 4

Maryann Hartman Awards will be presented this year to three women who have taken leadership roles in their communities through their activism concerning environmental or human rights issues.

The women who will be honored are: Donna Loring, for her representation of the Penobscot nation and her work with Maine women veterans; Glenna Smith, for her lifetime of teaching and publishing, and her leadership of elders in Northern Maine; and Esperanza Stancioff, for her grassroots environmental activism for the Gulf of Maine.

The Fourteenth Maryann Hartman Awards Ceremony is Thursday, Nov. 4, 5-7 p.m., Wells Conference Center.

▼ Donna Loring of Richmond has spent more than 20 years working and advocating for Maine Indian communities at tribal, state and federal levels. She is the Penobscot nation's representative to the Legislature and the coordinator of Tribal, State and International Relations. Last March, she was commissioned colonel by Gov. Angus King – only the second woman to hold the aide-de-camp position in the state. A Vietnam War veteran and chair of the Legislature's Advisory Commission of Women Veterans, Loring focuses on issues concerning the state's 8,200 woman veterans. She is a member of the ALANA/University task force and a member of the University System's Diversity Steering Committee. She also is involved in creating economic development opportunities for Maine people of color through ALANA collaborations with Vietnam and South Africa, and in developing a University-based leadership course for Native tribal leaders.

▼ Glenna Smith, who taught in Presque Isle High School for more than 40 years, has always encouraged students to trust in their own creativity. She was involved in drama at PIHS, and after retirement, wrote six plays, two of which received recognition in New England. Smith became a published author at age 65. In addition to her poetry, Smith is best known for her column, "The Old Country Woman," in *Echoes*, a northern Maine journal. She teaches life-writing skills through the local elderhostel program. Smith has been a board member of the Aroostook Agency on Aging and helped organize the University of Maine at Presque Isle's Seniors Achieving Greater Education (SAGE) program. In 1999, she received an honorary degree from the University of Maine at Presque Isle, and an Exemplary Older Person Award from the Maine Department of Human Services.

▼ Esperanza Stancioff is a water quality biologist and the director of the Clean Water Program of University of Maine Cooperative Extension. She has made significant contributions to statewide environmental stewardship and marine education. Under her leadership, a model program of grassroots citizen involvement in pollution monitoring and prevention was created. Stancioff has overseen the organizational and technical development of water quality, phytoplankton and marine habitat programs in northern New England. She has also authored and produced important documentaries, field guides, and training materials to promote understanding and concern for the marine environment. Stancioff's work has a lasting impact on the management and preservation of our important coastal resources. ▲

Teaching Moment

Center for Teaching Excellence

By James Berg

Discussion as a way of teaching is as old as Socrates. A good discussion can go a long way to clarify ideas for students, and to develop instructor-student rapport and student-student interaction.

In his classic *Teaching Tips*, Wilbert McKeachie identifies several areas in which discussion is particularly effective (eighth edition, 27). They include:

- ▼ Helping students learn to think by giving them practice thinking.
- ▼ Helping students learn to evaluate logic and evidence for positions.
- ▼ Helping students apply principles.
- ▼ Motivating students to learn.
- ▼ Getting feedback on what students are learning.

One UMaine professor with a natural sciences class of more than 60 students structures one of his lecture days as a discussion. The class is in a large hall, so it can feel more like a class of 100, but students work in groups to explain and apply scientific concepts. Then the entire class asks questions for further clarification. This procedure seems to personalize not only the material but the classroom and the instructor.

Using discussion does not imply that other teaching techniques, such as lecturing, are inferior. As Kenneth Eble puts it in *The Craft of Teaching*: "Discussion is not very good for dispensing information, but it is useful for fixing and relating and promoting thought about information that has already been acquired" (87).

A recent book by Stephen Brookfield and Stephen Preskill, *Discussion as a Way of Teaching*, tries to debunk some commonly held myths about discussion in the college classroom (xii-xv).

▼ *Discussion takes time away from covering content.* Discussion is essential to helping students process and understand content: "There is no point in covering content for content's sake – the point is to cover content in a way that ensures that students engage with it" (xii). This is especially true in areas where the content is expanding, like the universe, daily.

▼ *Discussion is unrealistic in large undergraduate lectures.* Short discussions can serve as "bookends" to lectures, at the beginning to establish known material, and during the lecture to allow for reflection and processing. "Doing these things stops students from falling into a deep reverie while you're talking and forces them to engage with the ideas you think are important" (xiii).

One other myth is the idea that discussions will happen simply if a well-meaning instructor asks questions and waits for a response. As with other teaching strategies, a fruitful discussion needs clear goals, planning and preparation to be successful.

CENTER FOR TEACHING EXCELLENCE UPCOMING EVENTS

Leading a Discussion, a workshop led by Kristin Langellier, recipient of the 1991 Presidential Outstanding Teaching Award, Department of Communication and Journalism, and James Berg, director of the Center for Teaching Excellence, 1-3 p.m., Oct. 20. All are welcome.

New Faculty Luncheon, featuring a discussion of employee benefits, noon-1:30 p.m., Oct. 26.

Informal New Faculty Gathering, facilitated by Polly Karris, EAP, and Ann Schonberger, WIC, 2-3 p.m., Nov. 5.

New faculty events are intended for those who have been at UMaine three years or less.

Check the Website for more information

(www.umaine.edu/teaching), or call James Berg, director of the Center for Teaching Excellence, 581-3472, to register.

Hearing and Preserving Ab

The 1932-34 mural cycle by one of Mexico's most famous mural painters, José Clemente Orozco, draws its inspiration and movement from Maya and Aztec cultures. Today, David Shoemaker's research on the 20th century mural has led him to focus his scholarship on 16th century hieroglyphics.

What he deciphers could provide a key to some of the earliest indigenous voices in the Americas and the importance of their resonance ever since the Spanish conquest of the New World.

"Scholars into the 20th century more or less discounted the fact that the indigenous of Mexico had their own writing because pictographs or glyphs were not considered as writing systems," says Shoemaker, who is pursuing an Individualized Ph.D. in Latin American art history. "However, in the last 20 years, the question has been debated to the point that today, segments of the field believe these writing systems can be treated as texts."

In Aztec, art and writing are synonymous. The ancient aboriginal writing using images and symbols to communicate was found in many venues, including codices with pages made from the bark of fig trees or animal skin. Translating the meaning behind the glyphs can provide scholars with a window into the political, cultural and social history of the pre-contact world of the Mesoamericans.

That world largely came to an end in the 16th century. The Aztec empire fell in 1521 and three centuries of Spanish domination began. But even as Spanish rule, European technology and Catholicism spread through Mexico, pockets of indigenous resistance continued to subtly make their voices heard through such means of communication as murals and maps.

David Shoemaker and Steve Whittington co-curated the Hudson Museum's newest exhibit, Images for Eternity: Mexican Tomb Figures and Retablos, now on display.

Shoemaker is now using a European-style 16th-century map detailed with glyphs to link the native voices struggling to survive colonization in New Spain with those of their Mixtec ancestors. Through his research, he is helping redefine transculturalization and providing a fresh look at the importance of preserving aboriginal voices in Latin America before they are forever lost.

"I'm not satisfied with the standard definitions of terms like synchronism, transculturalization and acculturation that are used in the field," Shoemaker says. "In many cases, more power is given to colonizers, discrediting indigenous visual sources such as murals and maps. There should be consistency in the field about the meaning of these terms so that there can be greater understanding."

For example, synchronism is generally understood to be a blending of such facets as religion and art by two cultures. Shoemaker sees it as a much more complex process. "There are spaces between two cultures coming together where a lot of other things are taking place," he says. "We need to understand how the process works. It is not so much that the flow of information and influence is always from one way, but that there is strong resistance from an indigenous element that continues to play a role. The process is not as one-sided as we think."

Shoemaker's interest in Latin America can be traced to his elementary school years when he studied Spanish. In eighth grade, he took a trip to Mexico. As an undergraduate in international relations at the University of Kansas, he spent spring breaks south of the border.



A Louisiana native, Shoemaker has lived in Maine since 1976. He received an MBA from UMaine in 1982.

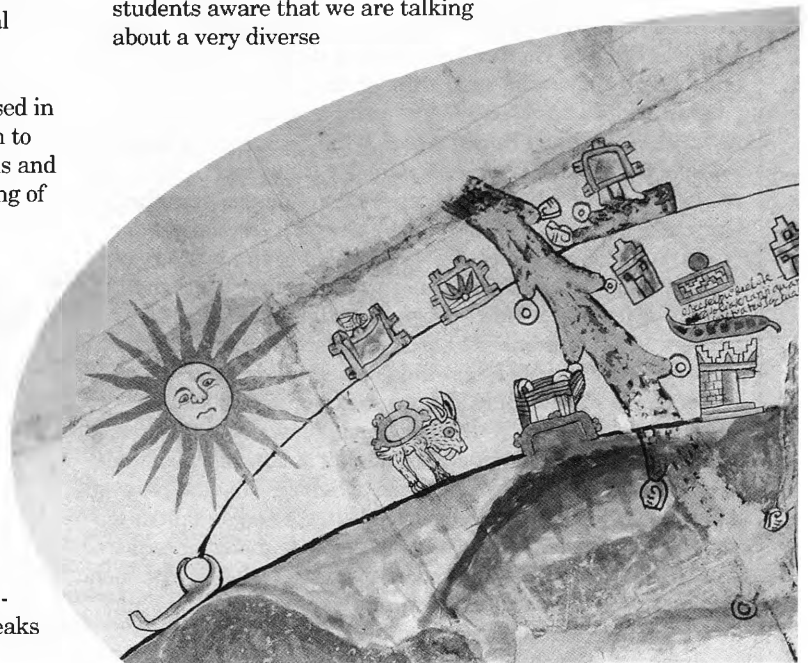
In 1990, he returned to his alma mater and began to take art classes. Shoemaker quickly discovered his fascination with art history and moved into an Individualized Ph.D. program. He had done work on Latin American artists like Siqueiros, and initially decided to focus his dissertation on Orozco's *The Epic of American Civilization*, located in the Reserve Reading Room of Dartmouth's Baker Library.

When his research interests shifted from 20th-century to 16th-century Mexican art, Shoemaker's Individualized Ph.D. program expanded to include art, Spanish and anthropology. His faculty mentors include Professor of Spanish Kathleen March, Hudson Museum Director Steve Whittington, and Associate Professors of A Owen Smith, who specializes in contemporary art history, and Michael Grillo, a Medievalist and specialist in semeiotics.

Shoemaker now hopes to complete his dissertation in the next two years. While taking classes, he also has been teaching an undergraduate course each semester on topics ranging from a survey of Latin American art to Mexican muralists.

His course last semester, *Magic of Surrealism*, combined film, literature and art.

"In any of the courses I teach, I try to make students aware that we are talking about a very diverse



Original Voices in Latin America



population with many cultures," says Shoemaker.

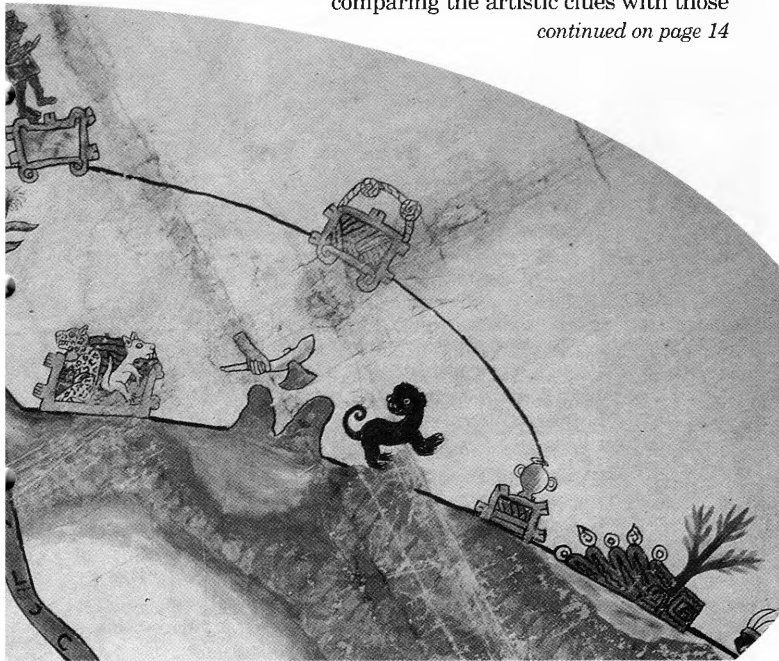
This spring, Shoemaker received a \$6,800 grant from the Foundation for the Advancement of Mesoamerican Studies for a project, "Retracing El Mapa de Tezacoalco, Mexico." The circa 1580 map, now in the Benson Latin American Collection at the University of Texas at Austin, is considered extremely important for the strong Amerindian Mixtec voice it amplifies in Mexico's colonial era. Made at the request of the Spanish government, the 60- x74-inch map is of European handmade paper with hand-painted indigenous glyphs using colored organic and vegetable pigments. The map uses glyphs to show pre-contact territorial boundaries, and the locations of 13 chapels that were in the area.

The map was last studied extensively in 1948 by Mexican archaeologist Alfonso Caso, an authority on the ancient high civilizations of the country. Caso researched the glyphs that form a genealogical table like those found on Aztec maps and traced the family history of a cultural hero (named Eight Deer) back to the 9th century.

Shoemaker will be one of a team of three from UMaine that will travel to Oaxaca, a rural state in southern Mexico, in February to spend a month locating the geographical landmarks and archaeological sites found on the more than 400-year-old map. As an art historian, Shoemaker will work to compare the map's glyphs with what they appear to represent in the landscape, ultimately

comparing the artistic clues with those

continued on page 14



Mesoamerican Conference Comes to UMaine

Ancient cultures of Central America and Mexico will be the focus of research presentations by graduate students and faculty from universities throughout New England and New York at the Northeast Mesoamerican Conference, Oct. 30-31, on campus.

The Northeast Mesoamerican Conference is co-chaired at UMaine by Steve Whittington, director of the Hudson Museum, and David Shoemaker, an Individualized Ph.D. student in Latin American art history. Registration is \$25; \$20 for students.

Presentations will range from technical reports on Maya writing to general surveys of topics, such as body modification in Mesoamerican cultures. Scholars, students and members of the public with an interest in Mesoamerican civilizations are expected to attend.

This is the first time the annual Northeast Mesoamerican Conference has come to UMaine. Last year it was held at Boston University. The conference will include a meeting of the Northeast Mesoamerican Epigraphy Group, where Whittington will make a presentation on Mesoamerican writing on artifacts in the Hudson Museum.

The conference, like other regional meetings held at UMaine in recent years, provides opportunities to let scholars outside Maine gain first-hand knowledge of the Palmer Collection, an important resource for archaeological research found in the Hudson Museum.

Call Steve Whittington, 581-1906, for more information about the conference.

Among the presentations and presenters Oct. 30 are:

- "Shell Symbolism at Teotihuacán," by Marilyn Goldstein, Long Island University
- "Invoking the Ancestors on the Path to War: Semasiography of Huastec Shell Pendants," by Javier Urcid, Brandeis University
- "Olmecs and Their Predecessors in Honduras," by John Henderson, Cornell University
- "Archaeology and Mapping at the Maya Site of Ma'ax Na in Northwestern Belize," by Leslie Shaw, Bowdoin College, and Eleanor King, University of Pennsylvania
- "Aztec Ceramics in the Codices and Their Archaeological Implications," by Jennifer Wharton, SUNY-Albany
- "La Preciosa Sangre: Religious and Visual Syncretism in a Zapotec Fiesta," by Katerina Ailova, Brandeis University
- "The Ethnographic Representation of 'in Ko'olel Maya,' by Lizette Alvarado, University of Buffalo
- "Casas Grandes Ceramics and the Pochteca Mode," by M. Patricia Lee, CUNY
- "The Syllabic Value of Mayan T77 as k'i," by David Mora-Marin, SUNY-Albany
- "Holy Penetration! Tattooing, Piercing, and Sacrifice in Ancient Mesoamerica," by Christine Whittington, UMaine
- "The University of Maine's Greatest Legacy: The William P. Palmer III Collection as a Resource for Mesoamerican Research," by Stephen Whittington, UMaine
- "Retracing El Mapa de Tezacoalco: Research in Progress," by David Shoemaker, UMaine

Photograph excerpts from the 1580 El Mapa de Tezacoalco, courtesy of the Benson Latin American Collection, University of Texas at Austin

New Faculty at the University of Maine

The University of Maine's 1999-2000 academic year has begun with 34 new members of the faculty. As a means of introduction to the University community, Maine Perspective surveyed them concerning their academic, research and public service activities. This is the first of two features on the new faculty of the University of Maine.



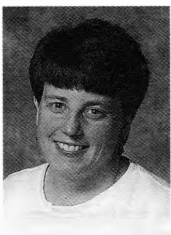
Karen Benjamin is instructor/RN studies coordinator in the School of Nursing. Benjamin received a master's degree in nursing from the University of Wisconsin-Milwaukee in 1998. She is a hospice-certified nurse. She has clinical and administrative experience in a variety of healthcare settings, and has taught nursing in Wisconsin and Maine. Her academic areas of interest include palliative care, and pain management in acute and chronic care. Benjamin is teaching clinical nursing. She notes that she is excited to be involved with

nursing at the academic level, where there is potential to effect a change within the profession.



Judith Dunlop, assistant professor of social work, is a Ph.D. candidate in social work from Memorial University of Newfoundland. Her academic areas of interest include social policy, community social work practice and evaluation research. Her research focuses on collaborative planning for integrated service delivery systems in the devolution era. Dunlop was the recipient of a doctoral fellowship from the Social Sciences and Humanities Research Council of Canada. She is teaching 400- and 500-level social work courses.

Dunlop notes that she was attracted to UMaine because of the teaching and research opportunities offered by the School of Social Work and the Canadian-American Center.



Valerie Sauda is an instructor in the School of Nursing. A certified hospice nurse, Sauda received a master's degree in nursing with a concentration in community health nursing from the University of Southern Maine in 1992. Her academic areas of interest include medical surgical nursing, and hospice and palliative care. Sauda has worked in acute care settings at Eastern Maine Medical Center and Hospice of Eastern Maine. Most recently, she supervised home health and hospice services at Community Health and Counseling. Sauda is teaching medical surgical nursing.



Linda Bowe is assistant professor of educational leadership, sharing the one-year position with Assistant Professor George Marnik. For the past year, she has taught in the graduate Educational Leadership Program. Now, she also is working with the new Cohort Program being established at the University of Maine and the University of Maine at Presque Isle. Bowe received a master's degree in educational leadership from UMaine in 1997. Since 1995, she has been a special education consultant and liaison with Sweetser Children's Services in the Belfast school system.



Alexander Chizhik, assistant professor of education, comes to UMaine from UCLA, where he completed his Ph.D. in the spring of the current year while working for the Drug Enforcement Administration. His dissertation focused on how opportunity to learn within collaborative groups may be influenced by task structure and group members' status. He will continue his research in that area at UMaine. He is teaching courses on educational measurement, assessment, program evaluation, and social-learning theories.



Estella Williams Chizhik is assistant professor of education. She received a Ph.D. in educational psychology at UCLA in 1996 and began her teaching career at Concordia University. At San Diego State University, she co-directed a professional development school and directed a program to facilitate student matriculation. Chizhik's work focuses on social justice, particularly as it pertains to the education of disadvantaged students. At UMaine, she is teaching the Introduction to Black Studies in the College of Liberal Arts and Sciences, and

The Teaching Process in the College of Education and Human Development.



Dianne Hoff, assistant professor of education, received a doctorate in educational administration, specializing in school law, from the University of Louisville in 1999. She has been a principal in Atlanta and in southern California. Her research areas of interest include interventions for violent/disruptive children, contemporary legal issues and instructional technology. As a member of the educational leadership faculty, Hoff is teaching research methods and organizational behavior.



George Marnik is an assistant professor in the Educational Leadership Program of the College of Education. He shares the one-year position with Assistant Professor Linda Bowe. Marnik completed his doctoral studies at UMaine in 1997, which included a qualitative study of the professional development practices of school leaders. His other areas of interest center primarily on secondary schools. Marnik, who serves as the UMaine liaison to the Maine Principals' Academy, has been principal of Mt. Desert Island High

School for the last four years. He worked as a teacher, assistant principal, curriculum coordinator and principal in the Deer Isle-Stonington CSD for 17 years. In addition to his part-time appointment, Marnik also co-directs the Center for Inquiry on Secondary Education on campus.

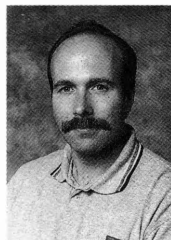


David Kotecki is associate professor of electrical and computer engineering. He received a Ph.D. in engineering applied science from the University of California at Davis in 1988. For the past 11 years, Kotecki has worked at IBM, where he was involved in semiconductor research and development. While at IBM, he received 14 Invention Achievement Awards. At UMaine, Kotecki's teaching and research focus is on microelectronics, electronic materials and computational modeling.

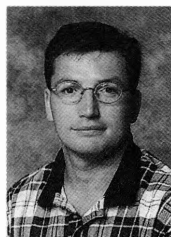


Microbiologist **Jean MacRae** is assistant professor of environmental engineering. In 1997, she received a Ph.D. in environmental engineering from the University of British Columbia. Her research interests include microbial transformations of contaminants and nutrients, and industrial ecology. She is the recipient of two post-graduate scholarships from the Natural Sciences and Engineering Research Council of Canada. In the Department of Civil and Environmental Engineering, MacRae is teaching environmental engineering and envi-

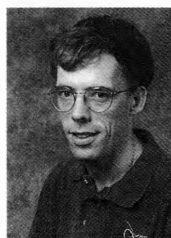
ronmental microbiology. With all of today's environmental challenges, MacRae says she is pleased to be involved in finding some of the solutions, and helping to train students to take up the challenge in the future.



Charles Maguire III is assistant professor of mechanical engineering technology. He received a master's degree in mechanical engineering from Worcester Polytechnic Institute in 1985. Maguire has 14 years of industrial experience working at General Motors Powertrain Division in Michigan. His research focuses on internal combustion engine modeling and testing. A registered professional engineer in Michigan, Maguire is teaching technical drawing and mechanical technology laboratory.



Timothy Marquis is an engineering technology lecturer. He received a bachelor's degree in mechanical engineering technology from UMaine last spring. He spent 12 years working as a machinist and tool designer for General Electric. He is teaching a course in machine tool processes and two machine tool labs. His focus is on preparing students for their future positions in industry, including improving safety awareness, communication and team-building skills.



Michael Peterson is assistant professor of mechanical engineering. After working for General Motors and General Dynamics, Peterson received a Ph.D. in theoretical and applied mechanics from Northwestern University in 1994. He comes to UMaine from Colorado State University, where he was assistant professor of mechanical engineering. His research focuses on elastic waves in solids, non-destructive testing, elastic waveguides and sports engineering. Peterson is teaching mechanics, design and materials.



Todd Gabe, assistant professor of resource economics and policy, received a Ph.D. in agricultural, environmental and development economics from Ohio State this year. He is teaching courses in the Department of Resource Economics and Policy, and is conducting research in community economic development. He has written several articles on firm growth and regional development, and has experience working with business leaders and government officials at the community level.



Sara Lindsay is assistant research professor of marine science. Lindsay received a Ph.D. in ecology at the University of South Carolina in 1994, and a National Institutes of Health postdoctoral fellowship to conduct research on the molecular mechanisms of chemoreception in zebrafish. Prior to joining the School of Marine Sciences faculty, she was a postgraduate research biologist at Scripps Institution of Oceanography, examining the link between vision and bioluminescence in deep-sea shrimp. Lindsay's research focuses on sensory

biology and ecology of marine invertebrates, and marine benthic ecology. She is teaching reproductive ecology with Paul Rawson.



Peter Jumars is professor of marine science and oceanography. He received his Ph.D. in oceanography, specializing in deep-sea benthic ecology, from Scripps Institution of Oceanography in 1974. His research focuses on the interactions between marine benthic organisms and their fluid and particulate environments, including physical, geological, acoustical and chemical processes. In the classroom, Jumars takes an interdisciplinary approach to biological problems. He has been recognized for his contributions to interdisciplinary

understanding with the Hutchinson Medal from the American Society of Limnology and Oceanography, and as a Fellow of the American Geophysical Union. Funding sources for his research include the National Science Foundation and Office of Naval Research. His wife, Mary Jane Perry, also is a new faculty member in marine sciences.



Joseph Kelley, professor of marine geology, has been a UMaine adjunct professor for the past 17 years while working as a marine geologist with the Maine Geological Survey. Kelley received a Ph.D. in geology from Lehigh University in 1980 and served as associate professor of geology at the University of New Orleans. He conducts research on the Maine coast and is involved in coastal zone management issues. In particular, he is interested in the response of shorelines and people to the rising sea level. Kelley, recipient of the 1998 Maine Audubon

Society Environmental Award, has expanded his research venues to Alaska and Ireland. He teaches the geology of Maine on ITV and a graduate course in coastal processes and zone management, and co-teaches marine geology as part of Semester by the Sea. His wife, Alice, is an instructor in the Department of Geological Sciences and Ph.D. candidate in Quaternary studies.



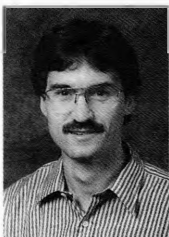
Laurie Osher, assistant professor of soil science, received a Ph.D. from the University of California-Berkeley in 1997. She worked at the U.S. EPA National Exposure Research Laboratory prior to joining the UMaine faculty in the Department of Plant, Soil and Environmental Sciences. Her research investigates the role of soils in global biogeochemistry, with specific focus on ecosystem carbon balance and carbon dynamics, the factors influencing soil carbon transformations, and the chemistry of soil mineral-organic matter interactions.

She uses natural abundance stable isotope geochemistry to study carbon and nitrogen in terrestrial ecosystems. External funding has included a National Research Council Postdoctoral Associateship from the National Academy of Science, and a Global Change Doctoral Fellowship from NASA. She will teach soil and water quality this spring.



Mary Jane Perry is professor of marine sciences and oceanography. She received a Ph.D. in oceanography, specializing in nutrient dynamics of phytoplankton, from Scripps Institution of Oceanography in 1974. Her long-term research goals are to understand the causes of variability in phytoplankton abundance in the ocean, and to develop optical methods for *in situ* observations of phytoplankton abundance. Funding for her work has come from NSF, the Office of Naval Research, NASA, and Sea Grant. She is an educator who specializes in

mentoring graduate and undergraduate students. Since 1985, she has directed a graduate course in Optical Oceanography that is internationally recognized. At UMaine, Perry is beginning a major collaborative effort to miniaturize optical sensors for deployment on autonomous vehicles.



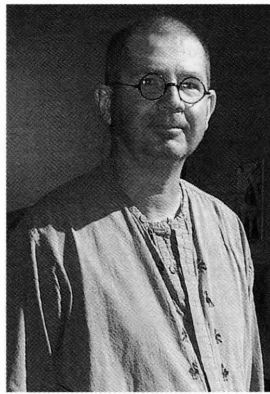
Paul Rawson is assistant professor of marine sciences. Rawson received a Ph.D. in biological sciences from the University of South Carolina in 1996. His research interests are in quantitative and population genetics of marine invertebrates, and molecular evolution. Most recently, he has initiated research projects in aquaculture. Rawson received a National Science Foundation/Alfred P. Sloan Foundation Postdoctoral Research Fellowship in Molecular Evolution in 1997, and was a postdoctoral research fellow at Scripps Institution of

Oceanography from 1996-98. This year, he co-authored a Maine Science and Technology Foundation Challenge Grant with Bruce Barber and Irv Kornfeld. In the School of Marine Sciences, he is teaching quantitative genetics and reproductive ecology. His wife, Sara Lindsay, also is assistant research professor of marine sciences.



Mark Wells is assistant professor of marine sciences. He received a Ph.D. in chemical oceanography from UMaine in 1989. His research interests focus largely on the interaction between trace metals and marine algae. In the School of Marine Sciences, he will investigate the driving mechanisms responsible for the development of harmful algal blooms along the Maine coast. Research funding has come from the Environmental Protection Agency, NSF, National Oceanic and Atmospheric Administration, and Office of Naval Research.

Latin America *continued from page 11*



David Shoemaker
Photo by Monty Rand

found in the Aztec and Mayan codices. Accompanying him will be Whittington, who will investigate the potential for future archaeological work, and Nancy Anchors, who will help document the findings.

"It will be interesting to see if the same place in the map is being talked about in the codices," says Shoemaker. "Even if they're not the same place, there will be correlation between the glyphs and the geographical features they represent to help us translate the codices."

In his study of the Nahuatl, the language of the ancient Aztec empire that is still spoken by approximately 1 million people today, Shoemaker has discovered very poetic and metaphoric linguistics that are providing insight into the whole language. The linguistic cues still existing in native language are helping him translate the written word that is in the form of ancient and colonial artwork.

"I'm looking to give fuller definition and cultural significance to specific pictographs and signs," he says. "I'm also interested in the 13 16th-century chapels as part of investigating and documenting what is still there."

Shoemaker is hoping to demonstrate that while such a map looks European, there is "an indigenous agenda" involved. "There's truly a strong indigenous voice that comes through the map, even though its characteristics are largely in European style. That's what happens in synchronism and acculturation when the colonizer has a stronger voice.

"We should be able to appreciate this art with less of a look at the outside influence and more inspection of the cultural sources," he says. "This is not to say that the art lacks Western influences, but it should not be the first place to look."

Such native voices more clearly define the indigenous world view – a perspective opposed by the conquering Spaniards, Shoemaker says.

"There are only 16 surviving Mixtec, Maya and Nahuatl codices," he says. "The Spanish burned the others, considering them radical and voices of the devil. They didn't believe they held any truth because they were not the written word, as the Spanish understood the written word."

Today, there is a continuation in the indigenous world view, says Shoemaker. "We can see how the indigenous people continue to hold on to traditional values," he says. "For instance, they may profess to be Catholic, but they are still holding on overtly or covertly to a strong indigenous religion.

"Today, you can go into particular sections of Mexico and find indigenous, pre-contact religions being practiced. That's where synchronism comes in. While a colonized country like Mexico may look syncretic on the surface, I question how much is European and how much is indigenous influence. Through my research, I'm finding there's more indigenous influence than has been given credit for."

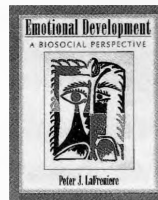
Working in the state of Morelos, Shoemaker has participated with indigenous groups that are trying to retain the native dance and art, and are making strong strides in teaching the language to adults and children. They want to make sure they have a voice, from the local to the national level, he says.

"It's refreshing to see that the (aboriginal) voice is still there," says Shoemaker. "I get a good feeling that, in rural sections of

Latin America, there are still groups actively trying to recapture and maintain of their cultural identity. In post-colonial India and Africa, there has been a reexamination of the voices from the Indian experience. I'm contributing to that reexamination in Latin America, especially in Mexico." ▲

V O L U M E S

Recent Works by University of Maine Authors



***Emotional Development:
A Biosocial Perspective***
By Peter LaFreniere
(Wadsworth Publishing 2000)

Emotional development is an area that has seen an explosion of research in the past 15 years. *Emotional Development: A Biosocial Perspective* by Peter LaFreniere, professor of psychology, is the first comprehensive textbook to synthesize this sub-field in a pedagogically accessible volume for advanced undergraduate and beginning graduate students.

One of the central themes of the book is that emotions must be understood in an integrative way because of their complex connections with biological, cognitive, social and cultural processes. Thus, emotional development is discussed as intimately linked to cognitive, linguistic, social and personality development.

The book's biosocial perspective also emphasizes evolutionary, ethological, and neuropsychological research on emotion, including the vital functions that emotions serve. It illustrates the necessity of uniting nature and nurture to more fully understand the development and function of human emotions.

This is LaFreniere's first book.



Tales of the Maine Woods: Two Forest and Stream Essays (1891)
By Fannie Pearson Hardy
(Northeast Folklore, Vol. XXXIV 1999)

Fannie Hardy of Brewer is known from her writings about folklore, Native American shamans, Maine folksongs and Indian place names. A new book published by the Maine Folklife Center presents some of her earliest descriptions of the Maine woods at a time when great changes were occurring in the state's game laws.

Tales of the Maine Woods: Two Forest and Stream Essays (1891) includes "In the Region around Nicatowis," and "Six Years under Maine Game Laws," and an introduction by Pauleena MacDougall, associate director of the Folklife Center.

Hardy, the first superintendent of schools in Brewer and founder of the city's public library, accompanied her father on several trips into the north Maine woods and kept journals of their experiences. She tirelessly collected, preserved, analyzed and wrote about the ordinary men and women she knew in and around Brewer.

The first essay chronicles these trips and the pleasure Hardy felt in "fleeing the telegraph, the post-office, the door bells and all our many masters." The second essay takes on the series of game laws that, for the first time, regulated hunting in Maine. It provides historical perspective on a debate that continues today.

Steven Colburn, associate professor of accounting, and Ted Englebrecht, director of the Master of Taxation Program at ODU: "Tax Court Rejects Stock Aggregation; Accepts Minority Discount," *Practical Tax Strategies*, 63(3):132-44 (September 1999).

Marisue Pickering, professor in communication sciences and disorders, with L.

McAllister: "Cross-Cultural Interactions," *Proceedings of the 24th Congress of the International Association of Logopedics and Phoniatrics*, Nijmegen University Press, The Netherlands (1999).

John Moring, professor of zoology, Department of Biological Sciences: a book chapter, "Anadromous Stocks," *Inland Fisheries Management in North America* (C.C. Kohler and W.A. Hubert, editors), American Fisheries Society, Bethesda, pp. 665-96 (1999).

D. Kimbrough Oller, professor in communication sciences, has several recent publications: M. Yale, D. Messinger, **R.E. Eilers**, Oller and **A.B. Cobo-Lewis**: "An Event-Based Analysis of the Coordination of Early Infant Vocalizations and Facial Actions," *Developmental Psychology*, 35:505-513 (1999); Oller: review of *Animal Vocal Communication: A New Approach*, by Donald Owings and Eugene Morton, *Human Ethology Bulletin*, 142:18-20 (1999); J.J. Masterson and Oller: "Use of Technology in Phonological Assessment: Evaluation of Early Meaningful Speech and Prelinguistic Vocalization," *Seminars in Speech and Language*, 20:133-48 (1999); Oller, Eilers, A.R. Neal and H.A. Schwartz: "Precursors to Speech in Infancy: The Prediction of Speech and Language Disorders," *Journal of Communication Disorders*, 32:223-246 (1999).

Michele Alexander, assistant professor of psychology; Marilyn Brewer; and Richard Herrmann: "Images and Affect: A Functional Analysis of Out-Group Stereotypes," *Journal of Personality and Social Psychology*, 77:78-93 (1999).

Attention Academic Advisors

BIO110 – BIOLOGY: THE LIVING SCIENCE HAS BEEN REASSIGNED AS BIO 222 FOR SPRING 2000

Last spring saw the launching of the Biology Department's new course for non-science majors, BIO110 – Biology: The Living Science. The course satisfies the General Education requirements both for a laboratory science, and population and the environment. It exposes students to basic concepts in biology, emphasizing areas relevant to their everyday lives and to current issues in society: the controversy over stem cell research, evolution in the curriculum, diversity of living organisms and treaties to protect it, and ecology as a tool for addressing environmental issues for example. Students develop a more thorough background for understanding these complex issues. The critical ability to distinguish objective science from pseudo-science is stressed throughout. Elementary principles of physics, chemistry and geology are introduced as necessary to enable understanding of living systems. The two-hour laboratory each week focuses on developing critical thinking and problem-solving abilities with hands-on activities ranging from genetic engineering of cells to modeling of evolutionary processes.

Based on lessons learned the first semester, some changes are in store for spring 2000. Most importantly, BIO110 has been reclassified BIO222. This is significant. It indicates that the material is best suited for students with at least one year of University experience. Unless students have performed extremely well in their previous high school science classes, we recommend that they not take this class in their first year at the University. BIO222 is not just a watered-down version of its sister course designed for science majors, BIO100 – Introductory Biology. It is not a survey course; rather, it focuses on fewer topics, covering them in full detail, and in a wider social context. Attendance at lectures has proven essential for success in this course. Students regularly attending lectures scored on average a full letter grade higher than those who did not. The academic discipline and study habits developed with University experience are necessary for students to succeed. (ACADEMIC ADVISORS MUST EMPHASIZE TO STUDENTS THE IMPORTANCE OF ATTENDING LECTURE IN THIS COURSE.)

Other changes are in store, including some modification of lectures, laboratories, and reading materials. These are intended to sharpen the course's focus on developing a background in the Living Science as a tool for understanding a wide range of today's complex issues associated with our activities on the planet. There are now six billion of us.

For more information on BIO222, contact Eleanor Groden, 518-2984.

Quaternary Researchers Co-Author Science Articles

UMaine scientists with expertise in glacial geology and computer science are co-authors of two articles published in *Science* this month. The articles reveal new details about collapse of the West Antarctic Ice Sheet (WAIS) and suggest that complete disintegration may be inevitable. Brenda Hall and George Denton, Department of Geological Sciences, are co-authors of "Past and Future Grounding-Line Retreat of the West Antarctic Ice Sheet." Harold Borns Jr., also of Geological Sciences, and James Fastook, Department of Computer Science, are co-authors of "Measurements of Past Ice Sheet Elevations in Interior West Antarctica." All are members of the Institute for Quaternary Studies. WAIS has been thinning and retreating since the height of the last Ice Age about 13,000 years ago. Complete collapse is estimated to take about 7,000 years at the present rate of ice retreat. The WAIS contains enough ice to raise sea levels 15 to 20 feet. The analysis by Hall, Denton and colleagues at the University of

Washington concludes that present-day retreat of WAIS was set in motion by events at the end of the last ice age and is likely to continue.

Kahl in *Nature*, *New York Times*

Lakes and streams in Maine and other parts of North America are taking more time than expected to recover from the effects of acid rain, according to reports by the Water Research Institute (WRI), published this month in *Nature* and reported in the Oct. 7 *New York Times*. WRI Director Steve Kahl co-authored the paper in *Nature*, "Regional Trends in Aquatic Recovery from Acidification in North America and Europe 1980-95." He is a primary author of the WRI draft report to the EPA, "Recent Trends and Aquatic Effects Related to Acidic Deposition in Maine." Scientists define recovery of a lake as the return to pre-industrial levels of acidity and other chemicals that counteract acidity. The paper in *Nature* compares recovery in 205 lakes and streams in five regions of North America and three in Europe. The authors conclude that while recovery is occurring in Europe, four of the five North American regions have not yet shown strong signs of returning to pre-industrial conditions.

Book Ends

New & Noteworthy at the University Bookstore

Theo's Odyssey, by Catherine Clement, Arcade (1999). This book – the heartwarming story of a child in search of healing, and a fascinating exploration of the many forms of religious faith – does for spirituality what *Sophie's World* did for philosophy. Theo is a bright boy who mysteriously falls ill. A cure or a cause elude doctors, so his wealthy aunt decides he should travel the globe in search of a spiritual solution. Crisscrossing Europe, the Middle East, Asia, Africa and the Americas, Aunt Martha takes Theo on a tour of the world's religions in which he learns about Hinduism, Judaism, Christianity, Confucianism, yoga, animism and voodoo. This is an enjoyable story about how and why people believe in their God, told with wit, clarity and enthusiasm.

The Blind Side of the Heart, by Michael C. White, Harper Collins (1999).

From the author of the critically acclaimed novel *A Brother's Blood* comes a haunting story about an Irish housekeeper who must discover the truth when her friend, the parish priest, is accused of horrible crimes. When Father Jack, a controversial small-town priest, is accused of doing terrible things to altar boys years earlier, his friend Maggie's loyalty is put to the test. At first convinced that the accusations are lies brought out by his enemies, Maggie sifts through the memories of her life with Father Jack and doubts begin to emerge: Could she have been blind to a darker side of her friend all these years? *The Blind Side of the Heart* poignantly captures one woman's struggle to remain loyal to a friend while forced to examine her conscience to arrive at the truth.

The Terrible Hours, by Peter Maas, Harper Collins (1999). May 23, 1939, America's newest submarine, the *Squalus*, left its Portsmouth, N.H., berth for a series of test drives. Slightly over an hour later, she lay helpless in 243 feet of water with no heat and the emergency lights out. Charles "Swede" Momsen, a U.S. Navy officer who risked his own life repeatedly trying to invent escape and rescue devices and techniques to save entombed crews, now faced his personal moment of truth. Could he save the 33 men still alive on the crippled and partially flooded submarine sitting on the North Atlantic floor? Pages turn quickly as you read about the man behind the greatest submarine rescue in history.

▼ Halloween Calendar Special – 31 percent off all 2000 calendars Friday, Oct. 29 and Saturday, Oct. 30 only!

Jeffrey Wilhelm, associate professor of literacy education, gave the keynote address at the Pathways to Literacy Conference, Sept. 27 in Lafayette, La. His topic for this major teacher professional development gathering was "Reading Is Stupid and What We Can Do About It."

Janice Kristo, professor of literacy education, has been appointed to

co-chair the National Council of Teachers of English's Committee to Revise Elementary School Booklist. The charge of the committee is to revise the NCTE publication *Adventuring with Books*. The NCTE is a professional organization for teachers and supervisors of English language arts programs at all levels of education in the United States and Canada.

Judy Walker, assistant professor in communication sciences and disorders, presented "Hemispheric Specialization in Processing Prosodic Structures" at the 11th Annual Stroke Rehabilitation Conference in Cambridge, Mass., Oct. 14-15.

Richard Mueller, assistant professor of economics and Canadian Studies, presented a paper, "Is Canada Losing Her Best and Brightest? Qualitative Changes in Canadian Migration to the United States," at the VI Congreso Internacional de la Asociación Mexicana de Estudios Canadienses, Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Ciudad de México, Mexico City, Sept. 21-23.

David Yarborough, Extension blueberry specialist and associate professor of horticulture, presented an invited talk on "Wild Blueberry Production in North America" at the Jilin College of Forestry, Jilin City, China, Sept. 5. Yarborough and Chad Finn, USDA-ARS, Oregon State University, then evaluated highbush and lowbush plantings and indigenous blueberry fields at nine sites located throughout Jilin Province, China.

Jeff Wilhelm, associate professor of literacy education, gave the keynote address, "Windows into the Reading Mind," and presented two workshops on hypermedia and student-designed learning, Oct. 4 at the Eastern Shore Reading Matters Conference, Salisbury, Md.

Irv Komfield, professor of zoology, School of Marine Sciences, and **Peter Smith**, graduate student, Biological Sciences, presented a lecture, "Establishment of Microsatellite Databases for Forensic Casework in the Northeast United States," North American Wildlife Enforcement Group, Cheyenne, Sept. 31.

Mary Ann McGarry of the College of Education and the Water Research Institute presented a session, "Creating Demonstration Forests," at the 33rd Annual New England Environmental Education Association (NEEEA) Conference, Oct. 1-3, Cape Cod. The presentation focused on "what to do with those woods next to the school" and involved a hands-on demonstration of forestry tools to create a growth plot. McGarry is an NEEEA board member.

Dorothy Klimis-Zacas, associate professor of education, presented "Blood Lipid Profiles and Body Composition in Greek High School Students" at the 71st Congress of the European Atherosclerosis Society, May 30-June 1, Athens, Greece.

Three students in the Construction Management Technology Program have received scholarships from one of the country's largest contractors, Peter Kiewit Sons' Inc., Omaha, Neb. **Jason St. Peter** of Caribou, **Blair Brissette** of Boylston, Mass., and **Mark Drury** of Lee, Mass., each worked for the company last summer and received \$1,200 toward their tuition. In the Northeast District, the company awards scholarships to four to eight of its college interns each year based on performance, attitude, attendance and potential for the future. St. Peter worked as an engineer on the \$300 million central artery project in Boston. Brissette was a cost estimator, and Drury was a field engineer for a fiber optic cable project.

Amy Morin, administrative assistant at the Canadian-American Center, and **Albert Michaud** (retired), presented the *Nos Histoires de l'île* stories in French to a group at La Maison Francophonie in Quebec City, to a class at Laval University, and to the public at St. Georges de Beauce, Sept. 30-Oct. 3.

Michele Alexander, assistant professor of psychology, presented the paper, "Social Roles and Sex Differences in Emotional Experience: A Cross-Cultural Analysis," at the Society of Experimental Social Psychology, St. Louis, in October.

The following research presentations were made at the annual meeting of the Association for the Advancement of Applied Sport Psychology, Banff, Alberta, in September: **Bruce Hale**, director of academic support services for student-athletes, and S. Chamberlain, "Directional and Intensity Anxiety Effects on Golf Putting Performance: A Test of Multidimensional Anxiety Theory"; Hale and J. Barker, "The 'Time-to-Event Paradigm': Intensity and Directional Anxiety Effects in Cricket Batsmen."

Ronald Davis, professor of biology and Quaternary studies, and **Shirley Davis**, assistant professor in the Onward Program, participated in an Earthwatch Institute expedition, Kenya's Wild Heritage, at Lake Naivasha, July 21-31. They both attended the XV International Congress of the International Union for Quaternary Research (INQUA) at Durban, South Africa, Aug. 3-11. R. Davis presented a poster paper, "Landscape Dynamics During the Past Millennium Around Freshwater Lake, Dominica, West Indies." The couple also participated in an INQUA field excursion in northern Botswana, including the Okavango Delta, Aug. 12-21.

In June, **Ivan Manev**, assistant professor of management, presented a paper at the Academy of International Business Northeast Regional Meeting in Philadelphia, "The Evolution of the Organizational Landscape in Transforming Economies: A Four-Country Comparison." It was judged among the 10 best papers at the conference and was published in its *Proceedings*. The paper was co-authored with Aimin Yan and Tatiana Manolova of Boston University. In August, Manev chaired a session, "The Formation and Maintenance of Inter-Organizational Alliances," at the Academy of Management Annual Meetings in Chicago. And in October, he presented a paper at the Strategic Management Society Annual Conference in Berlin, Germany, "The Managerial Network and Subsidiary Strategies: The Case of a Multinational Enterprise." The paper received a nomination for the Best Conference Paper Prize.



The 1999-2000 Combined Charitable Appeal for University Employees has begun. A goal of \$70,000 has been set, with much of the campaign scheduled to be completed by the end of November. This year's co-chairs are Dana Smith, left, and Linda Crocker.

UMAINE STUDENTS PLACE IN NATIONAL LOGGING COMPETITION

Two University of Maine students placed in the top five in the National Collegiate Game of Logging Championships, held last Friday in Nelsonville, Ohio. For the second consecutive year, UMaine had the best team score in the competition. Paul Larrivee Jr., a senior from Gray, finished in second place, just one point behind the competition's winner. Eben Webb, a junior from Manchester, came in fourth.

The Game of Logging is a program, founded by world-famous chain saw expert Soren Ericksson, aimed at developing and demonstrating safe and productive chain saw use techniques. The competition requires precision use of chain saws to safely fell, limb and cut trees into forest products.

Larrivee and Webb are among the UMaine students who have received their training as student employees of the University Forests Office, which manages the 12,000 acres of woodlands the University owns. Robin Avery, operations manager of the University Forests, and Michael Thurlow of Lee, the 1998 Professional Game of Logging Champion, accompanied the students to the finals.

UMaine student Dan Bartlett of Pittsfield won the competition last year. The 1996 champion, Eric Hoar, also was a UMaine student.

We Remember

Richard Homola

Richard Homola, long-time professor of botany and one of the most experienced wild mushroom experts in the country, died Sept. 2 at the age of 65.

Homola received a Ph.D. from the University of Michigan in 1969. He studied under the mycologist Alexander Smith, an international authority on mushrooms.

Homola joined the UMaine Department of Botany and Plant Pathology in 1966. Former students still recall the enthusiasm and knowledge he brought to his classes. Many were involved in his nationally recognized research, which included funding from such sources as the National Science Foundation, Nature Conservancy and U.S. Forest Service. Some of his students went on to pursue their own careers in mycology, including commercial production of mushrooms.

In Maine and throughout the Northeast, Homola was known by the public for the many field explorations for fungi he led. Through community programs, continuing education classes and courses at the Humboldt Field Research Institute in Steuben, Homola helped countless amateurs learn how to identify fungi in the field. In 1997, he received an award from the North American Mycological Association for his outstanding contributions to amateur mycologists.

For years, Homola served as Maine's leading expert in the identification of fungi. Even after his retirement in 1993, Homola maintained a laboratory in the University of Maine Herbarium, located in Hannibal Hamlin Hall. He was on call to identify poisonous fungi for the Maine Poison Control Center and medical professionals beyond Maine until the time of his death.

Homola documented his research with photographs, including an outstanding series of scanning electron photomicrographs of fungal spores and an extensive collection of slides of fungi.

His paintings of fungi in their natural habitats can be found in some of his favorite venues, including Humboldt Field Research Institute, formerly known as Eagle Hill, where Homola held field courses for 12 years.

Homola was active in the Maine Chapter of Sigma Xi, the national honorary science society, serving as three-time chapter president and two-time national representative. He served as vice president of the Josselyn Botanical Society of Maine for eight years, and then as a board member for 11 years. He was a long-time member of the Mycological Society of America and the North American Mycological Association, as well as many amateur mycological associations, including the Maine Mycological Association.

The scientific collection of more than 10,000 fungi in the Herbarium, to which Homola was the major contributor, is being named the Richard Homola Fungal Collection of Maine.

Lorraine Hachey

Lorraine Hachey, a long-time UMaine employee of the University of Maine, died last month at the age of 63.

Hachey exemplified a lifelong commitment to the University of Maine – 43 years. She started her career as a stenographer for the state 4-H Club Office under the Cooperative Extension Service, where she worked for several years. After taking time out to have her son, Hachey worked at various temporary jobs for six months before being hired by the Placement Bureau as its secretary in September 1959. With the exception of a six-month stint at Marine Studies in 1979, she remained for the better part of four decades with the Office of Career Planning & Placement, now known as the Career Center. At the time of her retirement in 1997, Hachey was the most senior classified employee on campus.

Those who knew Hachey remember her as a devoted friend and co-worker who was kind-hearted, dedicated, sincere and caring. Hachey was remarkably poised and comfortable with any social situation at the University – from receptions that involved the President of the University to chatting with a shy student at the Career Center front desk. She had a knack for putting folks at ease and will be remembered for her ability to provide caring, quality service for the thousands of students, alumni, and employers who visited or called the Career Center over the years.

Hachey was a wonderful ambassador for the Career Center and the University of Maine. She will be missed greatly by her colleagues in the Career Center and across campus.

Emeriti Activities

Robert Hawes of Hampden, professor emeritus of animal, veterinary and aquatic science, works in the area of conservation of rare and heritage breeds of farm animals. He recently co-authored the book, *Birds of a Feather: Saving Rare Turkeys from Extinction*. Hawes is a member of the boards of directors of the American Livestock Breeds Conservancy and Kelmscott Rare Breeds Center. He chairs the board of the Page Farm and Home Museum. Last spring, he was part of a three-person team that offered popular workshops throughout the state on keeping backyard poultry.

Pianist **Lillian Garwood** of Orono is instructor emerita of music. She began her career at UMaine in 1971. Since her retirement in 1994, Garwood has been honored as an Alumna of the Year at Nyack College. Her work now includes writing a booklet for entering piano students to prepare them to progress through a four-year music program.

Dr. Allan Corey, associate professor emeritus of veterinary sciences, now makes his home on Cousins Island, Yarmouth. Corey, who was at UMaine from 1983-95, continues his work in veterinary medicine. That work has included teaching surgical techniques and equine anesthesia at the Veterinary College, University of Tirana, Albania, under the auspices of VOCA (Volunteers in Overseas Cooperative Assistance).

Professor Emerita of English **Marie Urbanski Whittaker** of Ararat, Vir., taught at UMaine from 1971-94. The study of Transcendentalist writer Margaret Fuller has been the major focus of Whittaker's academic life. Currently, Whittaker is a scholar/consultant for a play about Fuller, written by Dina Harris. In addition, Whittaker has been a fiction consultant for *Lone Wolf Review*, a regional literary journal. Her ultimate goal is to have a major film produced about Fuller. Whittaker's recent publications include "Henry David Thoreau's Influence on Louisa May Alcott" and "Margaret Fuller's Influence on Louisa May Alcott" in *Louisa May Alcott Encyclopedia*, and "Margaret Fuller: A Versatile Writer – The Eye of the Storm," *The Oxford Companion to Women's Writing in the United States*.

Directory Changes

University Advancement and Office of University Development, Heritage House, 101 College Ave., Orono, ME 04473-1511. Telephone: 581-1151.

The Quaternary Institute is located in the Bryand Global Sciences Center. Addresses for the following people should be changed to reflect this:

George Jacobson, Director, 581-2190

Nancy Kealiher, Assistant to Director, 581-2199

Debbie Seymour, Secretary, 581-2190

Positions Available

The qualifications within the listings below are greatly abbreviated. In order to assess your background relative to the job and to submit the most effective application, contact the hiring department for more complete information. Guidelines for filling professional positions are available by contacting the Office of Equal Opportunity, x1226. A Request to Fill form must be approved before posting in Maine Perspective.

Director, Margaret Chase Smith Center for Public Policy. The successful candidate will report to the Vice President for Research. Qualifications: Earned doctorate, equivalent terminal degree or commensurate experience; demonstrated excellence in focusing public policy research toward the challenges of contemporary society; nationally recognized research experience and publication in applied public policy; demonstrated ability to attract external funding; appropriate senior administrative experience; demonstrated leadership abilities and strong communication skills for working with academic, professional and other communities; demonstrated commitment to issues of diversity. Salary: Competitive and commensurate with the qualifications and experience of the candidate. Review of Applications: Will begin 12/1/99 and the search will continue until the position is filled. Contact: Send letter of intent, resume, and names of at least three references to: Chair of the Search Committee, Office of the Dean, University of Maine, 5774 Stevens Hall, Orono, ME 04469-5774.

Assistant Professor in the Biology of Vertebrates (especially fishes of freshwater environments), Department of Biological Sciences. Tenure-track, academic-year teaching and research position. This position may involve joint appointment in the Maine Agricultural and Forest Experiment Station. Research areas may include, but are not confined to, population or behavioral ecology, predator-prey interactions, or analysis of food webs. The appointee is expected to establish a vigorous, externally-funded research program. The Department is particularly interested in candidates whose research will support and enhance the fisheries program of the Maine Cooperative Fish and Wildlife Research Unit. Teaching load will be approximately one course per semester and will include an undergraduate course in vertebrate biology each year, and, alternating biennially with participation in an introductory course in organismal biology for biological sciences majors, an advanced course or courses in ichthyology, fish population biology, or a related specialty. Qualifications: Ph.D. in an appropriate discipline; strong commitment to undergraduate and graduate education. Preferred: Teaching and postdoctoral experiences. Desirable: Demonstrated ability to integrate basic research with applied issues. Review of Applications: Will begin 12/1/99 and continue until a suitable candidate is hired. Contact: Send curriculum vitae, statement of research and teaching interests, representative published papers, record of successful proposals, and evidence of teaching skills to: Chairperson, Vertebrate Biology Search, Department of Biological Sciences, University of Maine, 5751 Murray Hall, Orono, ME 04469-5751. Applicants should also request three references to send letters addressing the applicant's suitability and particular strengths for the advertised position to arrive by Dec. 1. Information about the Department is available at www.umesci.maine.edu/biology

Special Assistant to the Vice President for Academic Affairs and Provost. INTERNAL POSTING. Qualifications: Required: Bachelor's degree; excellent oral and written communication and organizational skills; strong interpersonal skills, including a proven ability to work well with individuals at various levels and in team settings; solid supervisory experience; demonstrated successful problem solving skills; proven ability to exercise sound, independent judgment and to successfully interpret policy; computer fluency, with some spreadsheet and database experience, preferably on a Macintosh. Preferred: Master's degree; demonstrated competency in University of Maine accounting practices; and a working knowledge of University of Maine personnel policies and procedures. Salary Range: \$42,000-\$50,000 and is commensurate with experience and qualifications. Review of Applications: Will begin immediately and continue until a suitable candidate is found. Contact: Send completed application package, which must include a cover letter citing professional experiences and qualities applicable to the position, a current curriculum vitae (or resume), and the names of three current professional references, to: Donald Zillman, Interim Vice President for Academic Affairs and Provost, 5703 Alumni Hall, Orono, ME 04469-5703.

Assistant Professor in Endocrine Physiology, Department of Biological Sciences. Tenure-track, academic-year teaching and research position. Teaching load will be approximately one course per semester and will include annual service course in human anatomy and physiology (for undergraduates in allied health programs, physical education, and social work), an upper-level undergraduate course in endocrinology, and a graduate seminar in the candidate's specialty. The applicant is expected to establish a vigorous, externally-funded research program at the whole animal or cellular/molecular level. Qualifications: Required: Ph.D. in an appropriate discipline; a strong commitment to undergraduate and graduate education. Preferred: Teaching and postdoctoral experiences. Review of Applications: Will begin 12/1/99 and continue until a suitable candidate is hired. Contact: Send curriculum vitae, statement of research and teaching interests, representative published papers, record of successful proposals, and evidence of teaching skills to: Chairperson, Endocrinology Search, Department of Biological Sciences, University of Maine, 5751 Murray Hall, Orono, ME 04469-5751. Applicants should also request three references to send letters addressing the applicant's suitability and particular strengths for the advertised position to arrive by Dec. 1. Information about the Department is available at www.umesci.maine.edu/biology

Integrated Farm Educator and Project Coordinator (Position #61) (Reopened), University of Maine Cooperative Extension. One-year, fixed-length, faculty position with renewal for an additional one-year term contingent upon job performance. Project funding has been received through September 2001. Position will be housed at Highmoor Farm in Monmouth, Maine. Qualifications: Required: Master's degree with at least one degree in agronomy or production agriculture; training and/or experience in production agriculture, including grain systems; and in grain production and nutrient management; computer proficiency; excellent verbal and written communication, and interpersonal skills; demonstrated self-motivation and ability to achieve measurable results; proven ability to work independently as well as part of a team, and to work effectively with employees, employers and constituents of the community; demonstrated commitment to serving diverse audiences and supporting civil rights, equal opportunity and affirmative action policies; strong facilitation skills and experience in building collaborative working relationships with diverse groups; demonstrated ability and willingness to obtain a valid Maine Pesticide Applicator's license and Maine Nutrient Management Commercial certification within three months from start date; ability to travel, both in and out of state, usually requiring a valid driver's license, and a flexible work schedule with some evening and occasional weekend work. Driving and baseline background check required. Preferred: Some experience in Extension educational processes; working knowledge of educational technology, including computer and audiovisual teaching tools; familiarity with farm production equipment, including grain harvesting and processing equipment; some experience in the principles of animal nutrition and husbandry. Review of Applications: Will begin 11/5/99. Contact: Send letter of application, vitae, all transcripts and four letters of reference tailored to fit position to: Sandy Vaillancourt, Room 103, 5741 Libby Hall, Orono, ME 04469-5741; email sandyv@umext.maine.edu; Tel. (207) 581-3191 or Fax (207) 581-3325. The committee will review only complete packets that are the responsibility of the applicant to provide. For more information concerning the position and the project "Working Landscapes," contact Rick Kersbergen at (207) 342-5971 (richardk@umext.maine.edu) or John Piotti (piotti@uninets.net) at the Maine Farms Project at (207) 948-3335. For a full job description, call (207) 581-3191.

Archivist, Northeast Archives of Folklore and Oral History, The Maine Folklife Center. Regular, full-time, fiscal-year appointment. Qualifications: Required: MA or ALA accredited MLS, with substantial training and experience in sound archives management; excellent oral and written communication skills; demonstrated successful supervisory experience; and significant experience with database, graphic, and word-processing applications, and familiarity with online bibliographic utilities. Preferred: Graduate degree in folklore, American history, English, anthropology, ethnomusicology or related subject area. Salary Range: \$30,000-\$33,000. Review of Applications: Will begin 10/27/99. Start Date: 12/1/99. Contact: Send cover letter, curriculum vitae, and the names of three references to: James Moreira, Director, Maine Folklife Center, University of Maine, 5773 North Stevens Hall, Orono, ME 04469-5773 or fax to (207) 581-1823.

continued next page

Assistant Professor in Limnology, Department of Biological Sciences. Tenure-track, academic-year teaching and research position. Research areas may include, but are not confined to, lake productivity and food-web dynamics, pelagic-benthic coupling, lake-watershed interactions, and paleolimnology. The appointee is expected to establish a vigorous, externally funded research program. Teaching load will be approximately one course per semester, including upper-level undergraduate course in limnology, periodic participation in an undergraduate course in research methods, and an advanced course or courses in the applicant's specialty. Qualifications: Required: Ph.D. in an appropriate discipline; strong commitment to undergraduate and graduate education. Preferred: Teaching and postdoctoral experiences. Desirable: Proven ability to integrate basic limnological research with applied issues, such as the effects of land use, non-point pollution, and climate change. Review of Applications: Will begin 12/1/99 and continue until a suitable candidate is hired. Contact: Send curriculum vitae, statement of research and teaching interests, representative published papers, record of successful proposals, and evidence of teaching skills to: Chairperson, Limnology Search, Department of Biological Sciences, University of Maine, 5751 Murray Hall, Orono, ME 04469-5751. Applicants should also request three references to send letters addressing the applicant's suitability and particular strengths for the advertised position to arrive by Dec. 1. Information about the Department is available at www.umesci.maine.edu/biology

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



A 16-month calendar with archival photos from the Maine Folklife Center's extensive historical collection is now available. The photos of life and work in the woods, on the coast and on farms were selected to provide a sampler of the more than 8,000 found in the Center's archives.

The calendar is available from the Folklife Center, located in South Stevens Hall, for \$5. To order a calendar or for more information, call 581-1891.

FACULTY RESEARCH FUNDS COMMITTEE DEADLINES

The Faculty Research Funds (FRF) Committee announces FY2000 deadlines for competitions. Deadlines are listed below.

The Regular Faculty Research Fund and the Scientific Equipment and Book Fund competitions have the same deadline but separate application guidelines. If eligible, individuals may apply for both. Funds requested must not depend on funding from other Faculty Research Fund competitions.

Regular Faculty Research Fund Award	Oct. 27
Scientific Equipment and Book Fund Award	Oct. 27
Summer Faculty Research Fund Award	Dec. 17
Presidential Research and Creative Achievement Award Nominations	March 10

The Regular Faculty Research Fund Award supports work that can be completed in one year and provides research support other than faculty salaries. The Scientific Equipment and Book Fund Award is for the acquisition of equipment or library collections. The Summer Faculty Research Fund Award provides \$7,500 awards for faculty summer salaries for a minimum of 1.5 months of research effort.

The Presidential Research and Creative Achievement Award of \$1,500 is made to a faculty member who has attained distinction in research or creative achievement. Application packages are available in the Offices of the Deans and the Office of Research and Sponsored Programs, 424 Corbett Hall, x1498, and at www.ume.maine.edu/~spd/index.html

Genetics *continued from page 1*

researchers at MMCRI and USM focus on human health.

"Together, we can provide students with a breadth of education and laboratory experience that matches the best programs in the country," he says. "This arrangement also is a wise use of the state's limited resources. We need to collaborate. We can't afford to duplicate programs."

The effort, known as the Cooperative Ph.D. Program in Molecular Genetics and Cell Biology, will include courses taught cooperatively by scientists at each organization. Students will be traditional undergraduates and graduates at UMaine and USM, as well as staff members at Jackson Laboratory and MMCRI. Researchers at the Foundation for Blood Research in Scarborough also have contributed to the program. Other organizations, such as the Bigelow Laboratory for Ocean Sciences in Boothbay Harbor, Maine's biotech companies and private and technical colleges could become members in the future.

Coordinating the program at UMaine are Hutchison and Harold "Dusty" Dowse, who is in Biological Sciences. Barbara Knowles at Jackson Laboratory, Lucy Liaw at MMCRI and Brian Hodgkin at USM coordinate arrangements at their respective institutions.

Links also will be created through joint faculty appointments at UMaine. Participating faculty in USM's Applied Immunology Program will become cooperating UMaine faculty members, and Jackson Laboratory and MMCRI scientists will be faculty associates. The designations provide those scientists with access to Fogler Library and open up opportunities for graduate students.

In addition to cooperatively taught semester courses at UMaine and USM, the program could include workshops and short courses offered on a regular basis at Jackson Laboratory and MMCRI.

Students will receive degrees through existing Ph.D. programs in UMaine academic units. ▲

Y2K *continued from page 2*

University of Maine System. The campus contingency plans are incorporated into the University's Emergency Management Plan. UMaine's Y2K contingency plans are posted on IT's Website (www.ume.maine.edu/it/year2000).

"From the standpoint of health and safety, and mission-critical items, the University is in extremely good shape for the year 2000," says Les Shaw, assistant director of Information Technologies. "We haven't checked every machine and database on campus; those are the responsibility of end-users. Part of the continued awareness program is to get the word out to them."

With contingency plans now in place to address Y2K issues at Levels 1-2, now it's up to departments and individuals in the University community to ensure their own Y2K compliance, says Shaw.

The year-long educational and awareness programming of UMaine's Y2K Committee emphasizes the responsibility of departments and individuals regarding the readiness and reliability of equipment, from fax machines to computers, and the preservation of research and other data.

For computer users in departments and offices across campus, the first step is to determine if the technology being used is Y2K compliant, says Shaw.

A utility from the Web (www.unet.maine.edu/admin_serv/y2k/) can be downloaded to test for hardware compliance.

A more serious concern for end-users is the protection of date-specific information stored on spreadsheets or in databases. The threat to such information is in being unable to access data, or in having it corrupted. Ensuring compliance for such databases may be as easy as upgrading operating software. Advice and assistance is available by contacting Ray Walters, 581-1733. ▲

Sponsored Programs

National Science Foundation calls for information technology research, inviting participation from all scientific disciplines and especially encouraging projects that span information technology and scientific applications, as well as studies of related social, ethical, and workforce issues. Deadlines for budgets exceeding \$500K: letters of intent,

Nov. 15; preproposals,

Jan. 5; full proposals, April 17. For smaller budgets: letters of intent, Jan. 5; proposals, Feb. 14.

Joint Center for Poverty Research makes small grants for studies of the causes and consequences of poverty, and of the effects of policies designed to reduce poverty. Areas of interest include the changing labor market, the well-being of families and children, and the effects of recent policy changes. Maximum award: \$20,000. Deadline: Dec. 1.

National Institute of Justice funds short-term research projects using data from the National Archive of Criminal Justice Data. Priority is given to proposals that apply directly to criminal justice policy or practice, or that innovate in their application of emerging statistical techniques and analytic methodologies. Deadline: Dec. 10.

Robert Wood Johnson Foundation requests policy-relevant research proposals to reduce the harm caused by use of tobacco, alcohol,

and illegal drugs. Projects may address public sector policies at the national, state, or local levels, or private sector policies within companies, associations, trade groups, or unions. Letters of intent are due Jan. 24.

National Aeronautics and Space Administration's Institute for Advanced Concepts seeks revolutionary aeronautical and space concepts that could have dramatic impact on NASA development and operations. Phase I awards of up to \$75,000 for six months will validate the viability of the proposed concept and to define major feasibility issues. Deadline: Jan. 31.

International Research & Exchanges Board makes Short-Term Travel Grants to scholars in humanities and social science disciplines for travel to Central and Eastern Europe, Eurasia, and Mongolia for research, conference presentations, or consultation with colleagues. Maximum award: \$3,000. Deadline: Feb. 1.

For more information, call Research & Sponsored Programs, x1476.

Call for Papers

The objective of the *Maine Management Review* is to present the practical implications of UMaine research to managers in both the private and public sectors. The *Review* invites articles from faculty and students in all disciplines. For more information, contact John Ford, Maine Business School, 302 Corbett Business Building, 581-1990, johnford@maine.edu

ANDREW W. MELLON FELLOWSHIPS IN HUMANISTIC STUDIES

This year, 85 Mellon Fellowships will be awarded to promising students in humanistic studies who will begin their Ph.D. programs in fall 2000. Eligible fields include American studies, art history, classics, comparative literature, critical theory, cultural anthropology, cultural studies including all area studies, English literature, ethnic studies, ethnomusicology, foreign language and literature, history, history and philosophy of mathematics; history and philosophy of science, humanities; interdisciplinary studies; linguistics; music history and theory; philosophy, political philosophy, political theory; religious studies; rhetoric; and women's studies. The Fellowship covers graduate tuition and required fees for the first academic year, and includes a stipend of \$14,750. Eligible students, either seniors or graduates of the last five years who have not begun Ph.D. studies, must request applications by Dec. 7 and must submit completed applications by Dec. 21. Candidates must take the Graduate Record Examination General Test by Dec. 1. Internet: www.woodrow.org/mellon. For brochures and additional information, contact Doug Allen, professor of philosophy, 581-3860 or by FirstClass e-mail.

IACUC BIENNIAL TRAINING/ORIENTATION PROGRAM

The Institutional Animal Care and Use Committee's (IACUC) fall offering of its biennial training/orientation program on the care and use of animals will be held Wednesday, Oct. 27, 3-4:30 p.m., 427 Corbett Hall (across from the Gym). People who have attended previous training sessions do not have to attend. This campuswide training/orientation program is in compliance with federal regulation and the University's approved Animal Welfare Assurance. All faculty, staff, and students who work with live, vertebrate, non-human animals are required to participate in the program. The IACUC will not act on protocols for approval of animal use until all project personnel have been certified as having completed the training program. Please contact Gayle Anderson in the Office of Research and Sponsored Programs, x1498, for registration information.

DOROTHY CLARKE WILSON PEACE WRITING AWARD

ELIGIBILITY: All currently enrolled UMaine undergraduate students. Previous winners are not eligible. **AWARD:** \$500. **FORMAT:** Fiction, non-fiction, drama, poetry, essay or editorial. (For manuscript specifications, contact the Wilson Center, 866-4227.) **DEADLINE:** Oct. 27.

TOPIC: Before we enter the new millennium, we invite you to reflect back on the 20th century; specifically, on individuals and/or events that were significant in global efforts toward peace. In your written submission, address how the individual(s) or the event(s) was a catalyst for change, and moved the world closer to achieving peace.

What's Ahead

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FLU CLINIC
October 28

**MAINE STATE MARCHING
BAND CHAMPIONSHIPS**
October 30

CULTUREFEST
October 30

**"THE FUTURE OF
E-COMMERCE"**
November 2

**SECOND ANNUAL FOLK
TRADITIONS FESTIVAL**
November 5-6

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