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Perspective

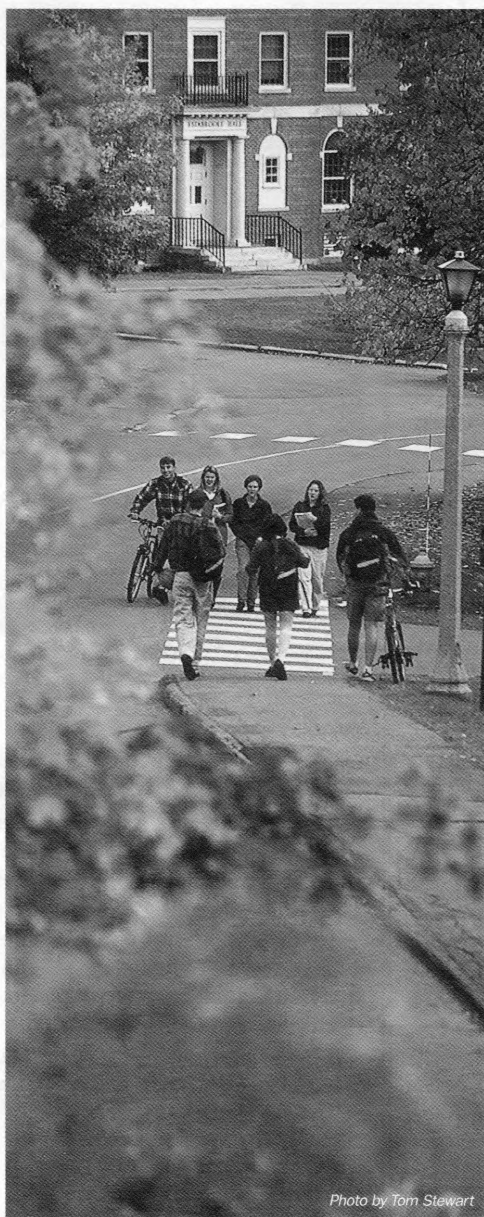


Photo by Tom Stewart

The State of the University

UMaine President Peter Hoff delivered his first State of the University address on campus Sept. 22.

The purpose of the speech was to assess the current state of the University, to examine the condition of our institution, and to outline plans to ensure its value and vibrancy in the years ahead.

"My hope is that you will have a better sense of the University as I see it, and as I would like to see it become," Hoff said in his address. "As we discuss this subject over the days and weeks to come, I hope the dialectic will lead us to a shared vision of the University's future."

The full text of the State of the University address is posted on the Web: www.ume.maine.edu/~paffairs/speeches/speeches.html

Discussion groups are continuing dialogue on the future of society and higher education, the

continued on page 12

UMaine Receives Major National Grant to Spur Science Education in Local Schools

The University has received a three-year, \$1.3 million grant from the National Science Foundation to expand science education in Maine's public schools. Students and faculty will use the money to develop and conduct programs in four area school districts, and make curricula available to other schools statewide.

UMaine was one of 20 successful applicants out of 157 nationwide. A group of UMaine faculty and public school teachers from Orono, Veazie, Old Town, Indian Island, Milford and Bradley met for almost two months to lay the groundwork, says Susan Brawley, UMaine professor of plant biology, who coordinated the effort.

"We want to involve the best UMaine science students in working with teachers and their pupils," says Brawley. "It's exciting to let these students, who are at the cutting edge of their disciplines, take their enthusiasm for science to our public school classrooms."

The program is a major NSF initiative. NSF Director Rita Colwell cited it in remarks to Congress this summer. "There is no group of people that should feel more responsible for science and math education in this nation than our scientists and engineers and scientists- and engineers-to-be," she said.

Among the program goals are improved learning opportunities for public school pupils, professional development activities for teachers, and strong partnerships between higher education and public schools.

The grant will enable UMaine graduate-level science students to work with teachers and their pupils in a variety of subject areas, such as: Classifying Living Things, the Hydrological Cycle, and Forestry and Pulp and Paper Studies. Teachers, science students and UMaine faculty will meet prior to the start of the fall 2000 semester in a "Science Camp" to work on experiments and complete curriculum development.

The program has been designed to improve science education by meeting the goals of Maine's Learning Results. The Learning Results, an educational policy passed by the Maine State Legislature in 1997, specifies what public school students are expected to know at each grade level.

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In Perspective

2 Fulbright Faculty

7 Orono Orioles

10 In Focus: Acadia National Park

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

A PUBLICATION
OF AND FOR
THE
UNIVERSITY OF MAINE

VOL. 11, NO. 3
OCT. 4-18, 1999

Two Faculty Members Receive Fulbright Awards

Two University of Maine faculty members have received Fulbright grants to conduct research and teach abroad during this academic year.

The National Research Council (CNRS) has invited Professor of Psychology Peter LaFreniere to the Laboratoire de Psychobiologie du Développement in Paris for the duration of his Fulbright research grant in France, January-April 2000.

Associate Professor of Journalism and Mass Communication Paul Grosswiler has a one-semester appointment as a Fulbright lecturer to teach at the School of Journalism at Wuhan University, approximately 350 miles from Shanghai. He will teach graduate courses in media ethics and readings in American media, and an undergraduate introductory class in mass media. The classes will be in English.

▼ LaFreniere will collaborate with Jacqueline Nadel and her team on two research projects. The first project involves basic research on the emergence of a theory of mind in young children and its implications for social and emotional development. The second project involves applied research using the Social Competence and Behavior Evaluation Inventory (SCBE) developed by LaFreniere and used in the past 10 years in both research and clinical settings.

Researchers in the U.S., Canada, South America and Europe have used the SCBE as a screening instrument, and in longitudinal research to study the development of social competence; in

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University Community Invited to Heritage House Open House

Members of the University community are invited to attend an open house Wednesday, Oct. 20, 3-5 p.m. at the Sigma Chi Heritage House, located at 101 College Ave.

UMaine's Vice President for Advancement Susan Reardon, her immediate support staff, and members of the University's Development Office moved into Sigma Chi Heritage House in July.

Built in 1935, the classic colonial building formerly housed the Rho Rho Chapter of Sigma Chi. The University purchased the building in 1997 when the fraternity disbanded. Renovations to convert the facility to offices and public meeting areas were paid for by private support in the form of an estate gift and donations from Sigma Chi alumni.

The renovated Heritage House provides an important "front door" to the campus. The landmark will accommodate small special events and the meeting needs of University of Maine faculty and staff, as well as the institution's donors, friends and volunteers.

"We encourage our faculty and staff colleagues to make the fullest possible use of Heritage House, particularly when hosting guests from off-campus," says Reardon. "Heritage House belongs to all of us and is an important part of the University's past, present and future." ▲

MAINE PERSPECTIVE PUBLISHING SCHEDULE

Oct. 18 (copy deadline Oct. 1);
Nov. 1 (copy deadline Oct. 15); Nov. 15 (copy deadline Oct. 29);
Nov. 29 (copy deadline Nov. 12); Dec. 13 (copy deadline Nov. 24)



Former staff workers of William S. Cohen help to identify photographs found in the William S. Cohen Papers, part of Special Collections in Fogler Library. Photos taken of Cohen during his House and Senate campaigns contain numerous local Maine figures, many of whom these staff workers remember. More than 3,000 photographs are in the Cohen collection, as well as videos, sound recordings, memorabilia and paper records. Pictured here going through some of the photos are, left to right, Cohen Papers Archivist Fran O'Donnell and former Cohen staffers Judy Cuddy, Carol Woodcock, Sharon Hastings, Michael Hastings and Jacque MacDermott.

Photo by Monty Rand

HELPING TO BUILD UMAINE'S IMAGE IN MAINE'S HIGH SCHOOLS

This academic year, UMaine President Peter Hoff continues his visits to high schools throughout Maine, talking about the importance of higher education and the goal of making the University the college of choice for students in the state.

Hoff visited almost half of Maine's 139 high schools during his first two years as president, fulfilling a promise made soon after arriving at the University in August 1997.

His visitation schedule this fall includes the following schools:

Bridgton Academy and Averill High School, Hinkley	Oct. 28
Biddeford High School and Bonny Eagle High School, Standish	Nov. 2
Jonesport/Beals High School	Nov. 17
Wisdom High School, St. Agatha	Nov. 30
Winslow High School	Dec. 3
Windham High School	Dec. 9

MAINE Perspective

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THE UNIVERSITY OF
MAINE

MAINE Calendar

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 6 - 20

6 Wednesday

Classified Employees Advisory Council (CEAC) Meeting, 11:30 p.m., Oct. 6, Lown Room, Union.

Depression Screening for students, employees and community members, offered by the Counseling Center, part of Mental Illness Awareness Week, 11 a.m., Oct. 6, FFA Room, Union. x1406.

"Understanding China Today: China, Taiwan and Hong Kong Trade and Other Issues," by Matthew Ward, a 25-year veteran of the U.S. Foreign Service and recently appointed program director of Refugee and Immigration Services, Catholic Charities of Maine, a World Affairs Council of Maine presentation, offered by the Maine Business School, noon-1 p.m., Oct. 6, Dexter Lounge, Alford Arena. x1968.

"Women's Journeys Through Labeling, Stigma and Mental Illness," by Barbara Lehmann, part of the Women in the Curriculum Lunch Series and Mental Illness Awareness Week, 12:15 p.m., Oct. 6, Bangor Lounge, Union. x1228.

"Getting On with Life," a group discussion with Jill Johnston, author and art and cultural critic, moderated by Muffy Eastman, part of Mental Illness Awareness Week, 2 p.m., Oct. 6, Totman Lounge, Union. x1406. A *Maine Time* event.

"Writing College Papers," part of the Study Skills Program, offered by the Multicultural Student Affairs Office, x1405, 2:15-3 p.m., Oct. 6, Walker Room, Union. x1405. A *Maine Time* event.

Video: Stonewall, part of Coming Out Week, organized by Wilde Stein, 7 p.m., Oct. 6, 101 Neville Hall. x1596.

Red Cross Logistics: An Overview (Training), offered by VOICE, 6-9 p.m., Oct. 6, Walker Room, Union. x1406. Registration required by calling 941-2903.

7 Thursday

"The Impacts of Integrating Livestock with Potato Cropping in Aroostook County, Maine: An Economic Analysis," by Andrew Files, candidate for master's degree in resource economics and policy, 11 a.m., Oct. 7, 202 Winslow Hall. x3217.

Classified Employees Advisory Council Brown Bag Luncheon, with UMaine President Peter Hoff; Donald Zillman, interim vice president for Academic Affairs and provost; and Richard Chapman, vice president for Student Affairs, talking about their vision for the coming year, noon-1 p.m., Oct. 7, Totman Lounge, Union.

"Women and Globalization," by Leslie King, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Oct. 7, Bangor Lounge, Union. x3860.

"TIAA-CREF Product Selection to Help Meet Your Financial Goals - Annuities, IRAs, Mutual Funds," by Jackie Edwards, TIAA-CREF individual consultant, coordinated by the Employee Health and Benefits Office, 1:30-3 p.m., Oct. 7, 220 Corbett Hall. x1640/x2362 (TDD).

PageMaker II, a Fogler Library Web/Desktop Publishing Workshop, 2-4 p.m., Oct. 7, Computer Classroom, Fogler Library. Register by calling x1696.

End of First Third of Semester for Withdrawals from UMaine, 4:30 p.m., Oct. 7.

Red Cross Logistics Simulation (Training), offered by VOICE, 6-9 p.m., Oct. 7, Walker Room, Union. x1406. Registration required by calling 941-2903.

Stop the HATE Vigil, part of Coming Out Week, 7 p.m., Oct. 7, Hammond Street Congregational Church, Bangor. 990-5699.

8 Friday

"Understanding TIAA-CREF Investments and Asset Allocation," by Jackie Edwards, TIAA-CREF individual consultant, coordinated by the Employee Health and Benefits Office, 9:30-11 a.m., Oct. 8, 220 Corbett Hall. x1640/x2362 (TDD).

Men's Soccer: UMaine vs. Hartford, 3 p.m., Oct. 8, North Athletic Fields. xBEAR.

"Bugged by Ancient Figurines: A Forensic Method of Determining Authenticity," by Robert Pickering, chair, Department of Anthropology and curator of anthropology, Denver Museum of Natural History, part of the Hudson Museum Lecture Series, 3:30 p.m., Oct. 8, Hudson Museum, Maine Center for the Arts. x1901.

Fall Break Begins, 5 p.m., Oct. 8.

9 Saturday

Men's and Women's Cross Country: Murray Keatinge Invitational, Oct. 9, Alford Stadium. xBEAR.

Second Annual Maine-Quebec Conference on Number Theory and Related Topics
Saturday-Sunday, Oct. 9-10
(Saturday 1-6 p.m.,
Sunday 9 a.m.-2:35 p.m.)
100 Neville Hall
Program details available from
Chip Snyder, 581-3956 or
snyder@gauss.umemat.maine.edu

10 Sunday

Men's Soccer: UMaine vs. Vermont, 1 p.m., Oct. 10, North Athletic Fields. xBEAR.

Bangor Symphony Orchestra Concert, featuring works by Verdi, Shostakovich and Tchaikovsky, 3 p.m., Oct. 10, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. Pre-concert preview by David Klocko, 2 p.m., Minsky Recital Hall, 942-5555.

11 Monday

Southern Maine Bus Tour for New Faculty, offered by the Center for Teaching Excellence, Oct. 11. x3472.

12 Tuesday

Southern Maine Bus Tour for New Faculty, offered by the Center for Teaching Excellence, Oct. 12. x3472.

13 Wednesday

Classes Resume, 8 a.m., Oct. 13.

Second Annual William S. Cohen Lecture by Secretary of State Madeleine Albright, with introduction by Secretary of Defense William Cohen, 9 a.m., Oct. 13, Hutchins Concert Hall, Maine Center for the Arts. x1968.

"The State of the State: Reproductive Health and Rights in Maine," by Nancy Foss, consultant on reproductive health and rights, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Oct. 13, Bangor Lounge, Union. x1228.

"Teaching and Learning in the 21st Century," with Doug Allen, Jim Toner, Sandy Caron and Charlie Slavin, moderated by Doug Gelinis, 2 p.m., Oct. 13, 101 Neville Hall. x1519. A *Maine Time* event.

"Stress Management," part of the Study Skills Series, offered by Multicultural Student Affairs Office, 2:15-3 p.m., Oct. 13, FFA Room, Union. x1405. A *Maine Time* event.

WOFA African Dance, performance by West African music/dance group, part of the Maine Center for the Arts performance season, 7 p.m., Oct. 13, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. x1755/x1888 (TDD).

14 Thursday

Stencil Workshop by Annette Candage, stencil craftsperson from

Blue Hill Historical Society's Holt House, offered by Page Farm and Home Museum, 11:30 a.m.-1 p.m., Oct. 14, Page Farm and Home Museum. Registration/fee. x4100.

"South Africa: One Step Forward, But the Struggle Continues," by Jennifer Davis, executive director of the Africa Fund, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Oct. 14, Bangor Lounge, Union. x3860.

Oh, the Horror!

Professor of English Welch Everman will present a lecture on horror films and their place in our culture at the Orono Public Library, Thursday, Oct. 14, 7 p.m.

"Facing the New World Order: Continuing African Struggles for Popular Participation, Human Rights and Economic Justice,"

the Howard Schonberger Peace and Social Justice Lecture by Jennifer Davis, executive director of the Africa Fund, 7:30 p.m., Oct. 14, 100 Nutting Hall. x3860.

Performance by Bizy Backson, part of Thursday Night in the Bear's Den series, 9 p.m., Oct. 14, Union.

15 Friday

"Migrations, Growth and Early Life History of the American Eel," by Matthew Cieri, candidate for Ph.D. in oceanography, seminar at 1 p.m.; defense at 2 p.m., Oct. 15, 220 Libby Hall. x3217.

Women's Soccer: UMaine vs. Delaware, 3 p.m., Oct. 15, North Athletic Fields. xBEAR.

20th Annual College of Engineering Recognition Banquet, with social hour, 6 p.m.; dinner, 7 p.m., part of Homecoming, Oct. 15, Black Bear Inn. Tickets. x2216.

University of Maine Hall of Fame Induction, honoring Rick Bernardo, Fred Brice, Paul Kariya, Bert Pratt, Carl Smith and Mary Lou Winstel, part of Homecoming, 6 p.m., Oct. 15, Wells Conference Center. Tickets. xBEAR.

Hart-Rouge in Concert, part of the Maine Center for the Arts performance season, 8 p.m., Oct. 15, Hutchins Concert Hall, Maine Center for the Arts. x1755/x1888 (TDD).

16 Saturday

M Club Breakfast, honoring Gold and Silver M Athletes, part of Homecoming, 8 a.m., Oct. 16, Wells Conference Center. x1138.

Red Cross Shelter Operations (Training), offered by VOICE, 9 a.m.-noon., Oct. 16, Walker Room, Union. x1406. Registration required by calling 941-2903.

Friends of Track Annual Meeting, part of Homecoming, 9:30 a.m., Oct. 16, Wells Conference Center. x1078.

14th Annual Civil Engineering Alumni and Friends Brunch, part of Homecoming, 10 a.m., Oct. 16, Stewart Commons. Reservations/fee. x2171.

21st Annual Homecoming Arts and Crafts Show, Food Fair and Farmers' Market, 10 a.m., Oct. 16, Field House. Admission fee. x1138.

Booksigning by Lynn Plourde, author of two new children's books, *Moose of Course* and *Wild Child*, 10 a.m., Oct. 16, Bookstore, Union. x1700.

First Annual Landscape Horticulture Alumni and Friends Brunch, part of Homecoming, 10 a.m., Oct. 16, York Commons. Reservations required. x2938.

Residential Life/Campus Living RDs and RAs 4th Annual Alumni Reunion, part of Homecoming, 10 a.m., Oct. 16, Penobscot Hall.

All Maine Women and Senior Skulls Homecoming Alumni Reception, 10:30 a.m., Oct. 16, Wells Conference Center. x1138.

All You Can Eat Homecoming Brunch, 11 a.m., Oct. 16, York and Stewart Commons. Admission fee.

Alumni, Family and Friends Tailgate Picnic, with theme competition judging at noon, part of Homecoming, 11 a.m., Oct. 16, Alford Arena. x1138.

Booksigning by Philip Turner, author of *I Am General Eaton*, 11 a.m.-1 p.m., Oct. 16, Bookstore, Union. x1700.

Volleyball: UMaine vs. Delaware, 11 a.m., Oct. 16, Gym. xBEAR.

Alumni Band Brunch, part of Homecoming, 11:30 a.m., Oct. 16, 100 Class of 1944 Hall. x1138.

Homecoming Pre-game Show, featuring the UMaine Marching Band and Alumni Marching Band, 12:30 p.m., Oct. 16, Alford Stadium. Admission fee. x1138.

Football: UMaine vs. Massachusetts, 1 p.m., Oct. 16, Alford Stadium. Admission fee. xBEAR.

Horticulture Workshops, including slide presentations and demonstrations, plus tours of Littlefield Garden (weather permitting), part of Homecoming, 1 p.m., Oct. 16, 113 Deering Hall. x1138.

Red Cross Shelter Simulation (Training), offered by VOICE, 1-5 p.m., Oct. 16, Walker Room, Union. x1406. Registration required by calling 941-2903.

Class of 1974 Silver Reunion Celebration, part of Homecoming, 4 p.m., Oct. 16, President's House. x1138.

Hockey Tailgate Party, featuring judging at 5 p.m. on three theme categories, offered by Friends of Maine Hockey, part of Homecoming, 4-6 p.m., Oct. 16, Tau Kappa Epsilon, 370 College Ave.

Reunion Café Post-game Celebration, part of Homecoming, 4 p.m., Oct. 16, Wells Conference Center. x1138.

University Singers Homecoming Reception, 4 p.m., Oct. 16, 102 Class of 1944 Hall. x1138.

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, Oct. 1-31, 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.

Conferences/Seminars/Workshops

Yoga, for stress management and fitness, with Barbara Lyon, certified Hatha Yoga instructor, offered by EAP, noon-1 p.m., every Friday, Oct. 15-Dec. 10 (excluding Nov. 26), Dexter Lounge, Alford Sports Arena. Admission fee. x4014.

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.

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.

Men's Ice Hockey: UMaine vs. Minnesota, 7 p.m., Oct. 16, Alford Arena. Admission fee. xBEAR.

17 Sunday

Homecoming Golf Tournament, including Alumni Association Golf Scramble at 9 a.m.; family fun with mini golf, go-carts and arcade, and meet members of the Women's Basketball Team at 10 a.m.; Awards BBQ at 1 p.m., all at Felt Brook Golf Course, Holden, Oct. 17. x1138.

21st Annual Homecoming Arts and Crafts Show, Food Fair and Farmers' Market, 10 a.m., Oct. 17, Field House. Admission fee. x1138.

All You Can Eat Homecoming Brunch, 11 a.m., Oct. 17, York and Stewart Commons. Admission fee.

Women's Soccer: UMaine vs. Towson, noon, Oct. 17, North Athletic Fields. xBEAR.

Volleyball: UMaine vs. Towson, 1 p.m., Oct. 17, Gym. xBEAR.

Chopin Anniversary Concert, featuring Baycka Voronietzky, part of the School of Performing Arts Season, 2 p.m., Oct. 17, Minsky Recital Hall, Class of 1944 Hall. Admission fee. x1755.

Men's Ice Hockey: UMaine vs. Minnesota, 4 p.m., Oct. 17, Alford Arena. xBEAR.

18 Monday

University of Maine Open House, coordinated by New Student Programs, Oct. 18, Maine Center for the Arts. x1826.

"Mercury Contamination in the Silver Stage of American Eels, *Anguilla rostrata*, from Three Rivers in Maine," by Nathan Leaman, candidate for master's degree in zoology, 9 a.m. seminar; 10 a.m. defense, Oct. 18, 109 Murray Hall. x3217.

"Use of Marked Animals in Wildlife Research and Program MARK Applications," by Gary White, alumnus and wildlife faculty member, Colorado State University, part of the Wildlife Ecology Seminar Series, noon, Oct. 18, 204 Nutting Hall. x2862.

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.

Women of the World Lunch, focusing on Pakistani cuisine and culture, noon, Oct. 18, Church of Universal Fellowship, Orono. x2905.

19 Tuesday

"Financial Well-Being: What Every Woman Should Know," two presentations by Judy Groth, American Express financial advisor, 8-9 a.m., and 12:30-1:30 p.m., Oct. 19, Totman Lounge, Union.

Introduction to PhotoShop, a Fogler Library Web/Desktop Publishing Workshop, 2-4 p.m., Oct. 19, Computer Classroom, Fogler Library. Register by calling x1696.

"Giving Trees Room to Grow," by Tish Carr, Community Forestry Program coordinator, Maine Forest Service, part of the Environmental Horticulture Fall Seminar Series, 6:30 p.m., Oct. 19, 100, Nutting Hall. x2768.

Coffeeshouse with David Harris, 8 p.m., Oct. 19, Peabody Lounge, Union. x1735.

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.

"Catching Up On College Reading," part of the Study Skills Series, offered by the Multicultural Student Affairs Office, 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, 105 College Ave. x1151.

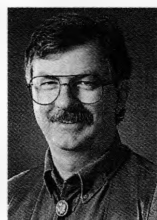
"Signaling Mechanisms During Egg Activation," by Kathleen Foltz, Department of Molecular, Cellular and Developmental Biology and the Marine Science Institute, University of California - Santa Barbara, a Department of Biochemistry, Microbiology and Molecular Biology Staples Lecture, 3 p.m., Oct. 20, 102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

Look Who's On Campus

Award-winning Poet **ROBERT REHDER**, professor of English and American literature at the University of Fribourg, Switzerland, will give a reading of his work on Tuesday, Oct. 5, 3:30 p.m., in the Wicks Reading Room. The Iowa native is widely published and a two-time recipient of the Croll Poetry Prize. His book of poems, *The Compromises Will Be Different*, was published in Britain and the U.S. Rehder is a scholar of Wallace Stevens and William Wordsworth. He currently is working on several scholarly works, including *The English Lyric from Shakespeare to Stevens* and *The Motive for Metaphor*.

Author and arts critic **JILL JOHNSTON** will lecture on "Thinking Big, Thinking Real," and offer a booksigning Tuesday, Oct. 5 at 7 p.m., Minsky Recital Hall, as part of Coming Out Week. She also will take part in a group discussion, "Getting On with Life," at 2 p.m., Wednesday, Oct. 6, Totman Lounge, Union. Described as a vanguard feminist, Johnston was at the forefront of a movement that changed the way we think about gender and sexuality. Johnston was a dance and art critic for the *Village Voice* from 1959-68. She championed the avant-garde and evaluated works by established artists from Martha Graham to the Beatles, ultimately changing the face of art criticism in America. Johnston is the author of numerous books, including *Admission Accomplished: The 'Lesbian Nation' Years*; *Secret Lives in Art: Paper Daughter*; and *Marmalade Me*.

MATTHEW WARD, a 25-year veteran of the U.S. Foreign Service, will speak Wednesday, Oct. 6, noon, Dexter Lounge, Alford Arena, on "Understanding China Today: China, Taiwan and Hong Kong Trade and Other Issues." Ward lived and worked in China and Taiwan, teaching Chinese politics to U.S. diplomats on assignment in those countries and working directly with China's senior leadership. He is a former adjunct professor of Chinese politics at the University of Southern Maine and an expert on economic restructuring and reform in China and Eastern Europe. He now serves as program director of Refugee and Immigration Services, Catholic Charities of Maine.



ROBERT PICKERING, chair of the Anthropology Department and curator of anthropology at the Denver Museum of Natural History, will speak on "Bugged by Ancient Figurines: A Forensic Method of Determining Authenticity" at 3:30 p.m., Friday, Oct. 8, at the Hudson Museum. For more than 20 years, Pickering has developed museum exhibits and educational programs. He also writes academic, children's and popular books on anthropology, including *Seeing the White Buffalo*.

U.S. Secretary of State **MADELEINE ALBRIGHT** will deliver the William S. Cohen Lecture at 9 a.m., Wednesday, Oct. 13, Hutchins Concert Hall. In 1996, Albright was nominated to be the first female secretary of state and the highest ranking woman in the history of the U.S. government. Prior to her appointment, Albright served as the United States permanent representative to the United Nations, and as a member of President Clinton's Cabinet and National Security Council. She is the former president of the Center for National Policy. At Georgetown University's School of Foreign Service, she was a research professor of international affairs and director of the Women in the Foreign Service Program.



JENNIFER DAVIS, executive director of The Africa Fund and the American Committee on Africa since 1981, will deliver the Howard B. Schonberger Peace and Social Justice Lecture at 7:30 p.m., Thursday, Oct. 14, 100 Nutting Hall, "Facing the New World Order: Continuing African Struggles for Popular Participation, Human Rights and Economic Justice." At 12:30 p.m. that day, Davis also will speak in Bangor Lounge, Union, on "South Africa: One Step Forward, But the Struggle Continues." Davis is a native of South Africa who became active in the struggle against apartheid in her homeland before being forced into exile in 1966. Davis' research focuses on U.S. policy and the corporate role in Africa. Under her leadership, The Africa Fund has emphasized support of democracy and self-determination in countries ranging from Nigeria to South Africa. The Africa Fund is examining post-Cold War U.S. policy toward Africa, and human rights in Nigeria and other African countries.

People in Perspective

From Matt Isham's experience, most college-bound students have an idea whether or not they want to go to a larger university or a smaller college. Even for those still deciding between a university or college experience, Isham has the same three words of advice: Visit the campus.

Either way, the UMaine alumnus and coordinator of the University's Portland Office is confident that prospective students will find what they are looking for at the University of Maine – "it's large enough to offer the wide range of programs, services and opportunities that are associated with land-grant universities, but it's small enough to offer an intimacy and collegiality that many land-grants lack because of their size."

"My college search was like that," says Isham, a staff associate who has been coordinating student recruitment efforts for the dean of Enrollment Management from the Portland Office for the past year. "Most of my family went to the University of New Hampshire, but, upon visiting it, I realized I just didn't want a campus that large. That's when I looked at a smaller campus."

Isham, a New Hampshire native, did his undergraduate work at Colby College. There he met his wife-to-be, Michelle. Following graduation, Isham worked for Colby's Admissions Office for three years, with responsibilities ranging from interviewing prospective students to coordinating recruitment activities. Both he and Michelle came to Orono in 1996 to begin graduate work in history. They received their master's degrees last May.

"I liked being able to communicate with students what I thought was special and unique about the college and what it had to offer," says Isham of his first years in student recruitment. "Even then, there was not a sense of trying to convince people, but in trying to seek students who may think, like I did, that the small college experience was unique and was what they were looking for. I had a fabulous undergraduate experience so it was great to communicate that."

"I also had an excellent experience with people with whom I worked in the graduate program here. As a result, when I talk about the University of Maine, I talk about academic offerings, and excellent opportunities to be involved in research and to build close relationships with faculty."

"When it comes to promoting UMaine, what I like most about the University of Maine is its public commitment," says Isham. "As the flagship campus for the public system, the University of Maine has commitments and obligations to work hard to meet the needs of the population, fulfilling an extraordinary role in the higher educational system."

When recruiting in the greater Portland area, Isham says the most-asked questions concern how UMaine stacks up against other institutions like the University of Southern Maine, and how students can justify leaving the area. "I try to avoid direct comparisons," says Isham, "but I let them know that the campus experience at UMaine is different from that of any other campus. The University of Maine is the largest campus with the largest number of full-time students in the state."

"The toughest questions come from students interested primarily in the University of Southern Maine and UNH," says Isham. "What makes it tough is dealing with entrenched mind-sets, and the fact that students in the southern part of the state are more familiar with those institutions. If I can get through to them that they need to give UMaine a chance, then we're all set."



Matt Isham

Photo by Monty Rand

The University of Maine sells itself. When they think their minds are made up about USM or UNH, I tell them to get more information and to visit our campus. The before- and after-visit comments about UMaine are very different."

The Portland Office, 100 Foden Road in South Portland, serves as the headquarters for UMaine's student recruitment efforts in southern Maine, as well as a branch office for both the Alumni Association and the University of Maine Foundation. This fall, Isham is spending much of his time visiting top students in area high schools. They include ALANA scholars.

"Within Maine, the most significant population of ALANA students is in the Portland area," says Isham. "At the very least, we want to make sure that information about the University of Maine is getting to them. Our hope is that they will take us up on an offer to visit campus. Again this year, we plan to get fall and spring bus or van trips to campus for interested juniors and seniors from the Portland metropolitan area who have an interest in the University."

ALANA students from the Portland area will next visit campus Wednesday, Oct. 13.

"Last year, I stayed in contact with a number of students I'd met through school visits as they went through the application process. This year, we're going to do an even better job of that," says Isham. "A goal is to see this office personally contact our prospects (from this area) who have expressed an interest in the University. We believe keeping in personal contact by phone can make a difference."

From the Portland Office, Sherman Rosser, executive director for University recruitment, and Jonathan Henry, UMaine admissions director, will work with Isham to coordinate outreach efforts, including programs and events, with southern Maine community leaders.

In addition, Isham works as a liaison and assists in area programs of the General Alumni Association. He says his work with prospective students and alumni is a natural continuum.

"Alumni reinforce something that I think is borne out with any college or university experience," says Isham. "Students don't just leave a university but carry it with them long after they graduate. It is one of the many things I try to let prospective students know about. It all reaffirms a sense of community and connection."

Search Continues for Facts About Elusive Orono Orioles

When Scott Peterson saw a team photo of the Orono Orioles during the Orono Historical Society's "Museum for a Day" at the public library, it sparked his imagination as a writer and a baseball aficionado.

For the past year, Peterson has combed local historical records and archives for further details about the 12-member team that captured the hearts of hometown fans from 1914-24. Now he's hoping that anyone with information about the team and the All-American pastime as it was played during that decade will contribute to his fact-finding mission.

"Ultimately, I would like to write about what I'm finding," says Peterson, a UMaine English instructor since 1995. "I see this as a way of getting at Orono history from 1914-24. Not only did the Orono Orioles play on a neighborhood field in the heart of Orono now known as 'The Tough End,' but a lot of the players come up in other contexts as the movers and shakers of the day."

His research is offering him ideas for non-fiction, creative non-fiction, and fiction projects: "With regard to creative non-fiction, I could write about my present interfacing with the past. Fiction-wise, the local newspaper archives for 1923 are missing and I'm thinking of using that interruption in the historical record as a window into a fictional season. If I add this to the local lore of how the Orioles scrimmaged with the Boston Red Sox, I might have the basis for a good novel."

Peterson has been a baseball fan since first grade. "My dad, a big baseball fan, got me started," he says. "Plus, I lived in a neighborhood in Galesburg, Ill., with a lot of baseball fans. We played from 8 a.m. until 5 p.m., with an hour off for lunch."

As a writer, Peterson has tapped his memories of growing up in the Midwest to develop small town settings and characters, often including at least one with a passion for the game. "I'm interested in the game itself and the idea of it as America's pastime," says Peterson, who has a master's degree in English, with a concentration in creative writing, from Texas A&M.

"From my early research on the Orono Orioles, I get a sense of a town that supported the team and had a lot of pride in it. The players lived in Orono, working for the railroad or in clerk jobs, practicing two nights a week to prepare to play other town teams and the semi-pros in the area.

"That was one of the issues – whether the town could get behind the team and salary the players so they could go semi-pro," Peterson says. "But even without salaried players, this team went to other communities and played good games."

In the heyday of the Orono Orioles, 1919-20, the team was playing a dozen games each summer. The grandstand was rebuilt to double its size and accommodate 400 spectators. Box scores ran not only in the then *Old Town Enterprise* but in the *Bangor Daily News*.

In the hopes of recording and one day retelling the story of the Orono Orioles, Peterson is looking for photographs and documentation of the team, recollections of the games of days gone by and anecdotes of small town baseball. He is hoping to learn more about the Orono Orioles in a broader context, using baseball as a way of getting at social and cultural history.

"This was a neat time in which to live and a special thing that the town got behind this unpaid baseball team playing for the love of the game," Peterson says. "Maybe they are the best examples of the game's truest purists."

Peterson can be contacted by e-mail at scott_peterson@umit.maine.edu, or through the Orono Historical Society, c/o Alice and Charles Smith, 566 Forest Ave., Orono. ▲

Maine Business School Again Offers MIS Concentration

The Maine Business School has reintroduced a course of study that focuses on the emerging technologies of the business world.

This fall, students have the opportunity to concentrate their major in the area of management information systems (MIS), which teaches students how to design, develop and implement systems that support an organization's planning, control and decision-making processes.

The MIS concentration was last offered in 1994. This year, in addition to traditional MIS courses such as Network Design and Applications and Database Management Systems, the curriculum will feature a new elective in electronic commerce, focusing on consumer-to-business applications of the field.

"The concept of electronic commerce has been around a long time," says Peter Tarasewich, assistant professor of MIS with the Maine Business School. "Traditionally, it's been thought of as a business-to-business application and used for things such as electronic data interchange."

In Tarasewich's hands-on course, students focus on Website development, marketing, security and transaction processing.

As the business world becomes more dependent on technology, the job market for students with a business degree and MIS concentration grows.

Traditionally, positions are available in systems analysis and design or programming, says Tarasewich. "People who have the technical skills can go into telecommunications support system administrator positions. There's also going to be a call for people experienced in e-commerce."

The Maine Business School has two faculty members for the MIS concentration and expects to hire another faculty member this year. Other concentrations offered by the School are accounting, finance, marketing and management. ▲

Center Stage

School of Performing Arts

Ode to Chopin

The 150th anniversary of the death of Frederic Chopin will be marked by a performance of the powerful and influential works by the master composer by Associate Professor of Music Baycka Voronietzky and her students on Sunday, Oct. 17 at 2 p.m.

Performing nocturnes, mazurkas, waltzes and a ballad will be students Beckery Knowles, Jen Moore, Amy McNaughton, Su Jo Mitchell, Eva Robinson, Carrie Johnston and Juraj Kojas.

Guest artist and Associate Professor of Music Nancy Ogle will perform *Moja Pieszczołka*. History Professor Richard Blanke will read some of Chopin's letters.

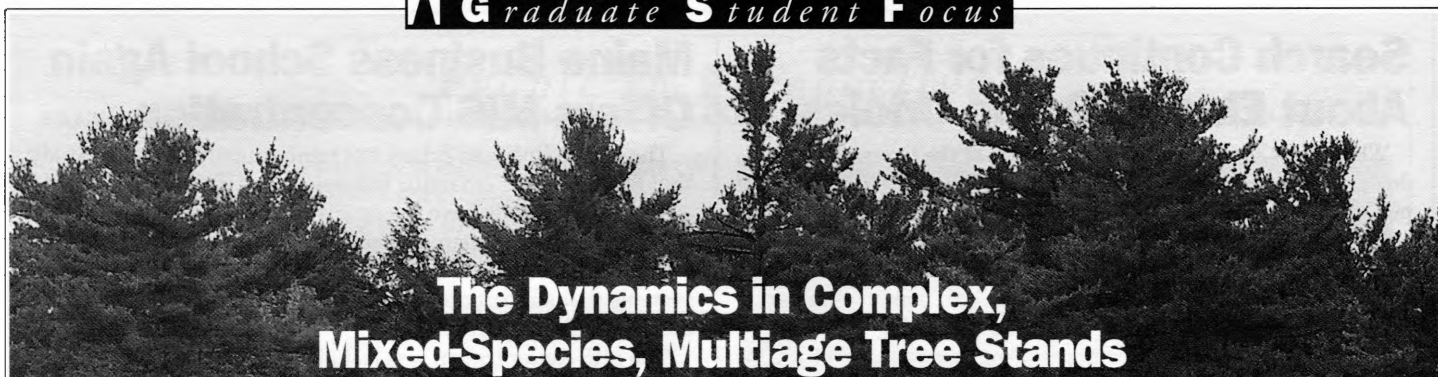
Chopin died Oct. 17, 1849, at age 39.

TEACHING AND LEARNING IN THE 21ST CENTURY

Will the University as we know it soon be obsolete, replaced by instruction delivered over the Web? Will a liberal education become even more vital in the next century, or just an expensive anachronism?

Come hear the views of four leading faculty members, and share your own ideas on Wednesday, Oct. 13, 2 p.m. (during Maine Time), 101 Neville Hall.

Join Doug Allen, professor of philosophy; Jim Toner, director of distance education; Sandy Caron, associate professor of family relations; and Charlie Slavin, director of the Honors Program. Moderating will be Doug Gelinis, vice provost for Undergraduate Education.



The Dynamics in Complex, Mixed-Species, Multiage Tree Stands

For as long as humans have been managing woodlands, it has been accepted that trees grow larger as they grow older. This led practitioners to conclude that a tree's diameter can be used as a substitute for its age. Many types of forest management are theoretically based on the manipulation of age classes, but in reality, are implemented by manipulating diameter classes.

The research of Laura Kenefic in the Maine woods is, in part, questioning the relationship between tree age and size, and thus the effectiveness of using target diameter structures to attain age structures.

"Not only do we have to understand the mechanisms responsible for tree growth, but we have to predict how trees will behave in the mixed-species, multiage stands common throughout the Northeast," says Kenefic, a Ph.D. candidate in forest ecosystem science. "We must use something beyond tree size to make decisions.

"That's what's happened on the Penobscot Experimental Forest. After 40 years of management using simple assumptions about tree growth, the uneven-aged stands are not behaving as they were expected to. We need to determine what underlying processes are responsible for the growth patterns we observed.

"Greater understanding of basic forest processes is necessary for the advancement of forestry in this region."

Kenefic, a native of upstate New York, received a master's degree in forest management from the State University of New York College of Environmental Science and Forestry at Syracuse. She worked with Ralph Nyland, professor of silviculture, on a thesis about the structure of uneven-aged forest stands. She came to UMaine to begin her dissertation work in 1994 in collaboration with Robert Seymour, Curtis Hutchins Professor of Forest Resources. Kenefic holds a cooperative appointment with the USDA Forest Service.

As a cooperative education graduate student, Kenefic is a scientist-in-training with the Forest Service. Working out of a branch office in Bradley, under Project Leader John Brissette, Kenefic is responsible for research on Maine silviculture – the science of managing forests to obtain certain desired outcomes in such areas as wood production, wildlife habitat, and structural and species composition. While she is the Forest Service's sole silviculture scientist currently stationed in the state, Kenefic is a member of a large research team stationed in Durham, N.H.

After graduation, she will be stationed at UMaine as a full-time Forest Service research scientist and will continue to collaborate with University faculty on research in Maine silviculture.

Kenefic lives in Orono with her husband, Richard, and son Liam, and is expecting a second child this fall.

Kenefic's living laboratory is the Penobscot Experimental Forest. The 3,800 acres of woodlands in Bradley and Eddington were donated to the University by a consortium of industrial forest landowners in 1994. The forest had previously been leased to the U.S. Forest Service for conducting research in the spruce-fir forest type.

The Forest Service has conducted research on this forest for decades. Although owned now by the University, the Forest Service continues its research under a memorandum of agreement with UMaine.

In her research, Kenefic looks at the effects different silvicultural systems have on Acadian or mixed forests – those of the northern half of Maine and throughout the Maritimes that are mixed species dominated by conifers. While other Forest Service projects in the Northeast are focusing on hardwoods, this is the only project focused on conifer-dominated forests.

The role of the Forest Service is technology transfer, providing research-based information through professional presentations, papers and forest tours to private landowners and forestry practitioners who can then apply that knowledge to their woodlands. Kenefic has had 10 papers concerning her research accepted for publication since coming to UMaine.

As she did at SUNY, Kenefic continues to focus on uneven-aged silviculture at UMaine. In particular, she is looking at stand dynamics in complex, mixed-species, multiage stands in an effort to shed new light on some age-old assumptions about uneven-aged woodlands.

"Uneven-aged silviculture has been practiced for a long time, but because it is so complicated, there isn't a good understanding of how trees develop in these types of stands," says Kenefic.

"People have made assumptions about what's going on in these forests. For example, it has traditionally been assumed that the size and age of a tree are related. The implication of this is that foresters use manipulations of the numbers and sizes of trees to control age structure. But in this type of forest, there are a lot of shade-tolerant species that can be old and persisting as small trees in the understory."

Similarly, it has been assumed that a fixed cycle for harvesting is necessary to ensure sustainability in uneven-aged stands. And questions remain concerning which and how many trees to remove.

"Studying growth of trees in complex stands will provide us with the data we need to develop more flexible and biologically based means of managing complex stands," Kenefic says. "Today, uneven-aged silvicultural practices are locked into certain methodologies and rigid rules concerning stand structure. We need to identify alternative acceptable treatments and target structures so that we can attain a greater range of outcomes and satisfy more landowner objectives.

"It has long been believed that uneven-aged silviculture allows sustained harvests in perpetuity while retaining continuous forest cover. The partial cuttings needed to create such stands have the advantage of being similar to the small-scale disturbances that occur naturally in the Acadian forest," says Kenefic.

"Our research is exciting because it goes a long way toward determining if current management of complex stands in the Northeast is sustainable and ecologically appropriate." ▲

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Public Support for Forest Purchases

Broad public support exists in Maine for purchases of commercial timberland to be held for multiple uses, including some tree harvesting, according to a survey conducted by Kevin Boyle and Mario Teisl of the Department of Resource Economics and Policy.

The results are noted in a new publication, *Public Preferences for Timber Harvesting on Private Forest Land Purchased for Public Ownership in Maine*, from the Maine Agricultural and Forest Experiment Station. Funding for the survey was provided by the U.S. Forest Service, the Experiment Station, the Northern Forest Alliance and the Natural Resources Council of Maine.

Although the survey was not related to recent state referenda on forest practices, the results provide insights for the development of forest management proposals that are desirable in the eyes of Maine citizens, the authors write.

A total of 2,500 adults responded to the random mail survey, which asked how they would vote on a hypothetical proposal to buy a 23,000-acre parcel of land in the unorganized territories. About 45 percent of those who received the survey responded.

The survey posed questions related to citizens' preferences for one of four different management plans. Among the elements of the plans were the extent of tree harvesting, the density of access roads, setbacks from wetlands, and the disposal of logging slash, such as branches and tops.

The responses indicated preference for a plan that allowed some tree harvesting on half the parcel, restricted roads to no more than one per mile, and left substantial numbers of healthy and dead trees after harvesting.

The authors also asked the respondents to indicate how much money they would be willing to pay in state taxes for parcels managed according to these desired practices. Those responses were used to calculate an average household's willingness to pay, which the authors conclude amounts to \$444.

Taking a more conservative estimate of \$100 per household, the authors estimate that voters would approve spending about \$21 million for purchases of commercial forest land.

The authors also asked how knowledgeable people feel about forest management and how well Maine's forest lands are managed. Results indicate that 39 percent think Maine's forests are comprised of "mostly areas of standing trees with a few harvested areas," and 33 percent that they are "an even mix of areas of standing trees and harvested trees." Five percent think that Maine's forests are comprised of "vast harvested areas."

About 27 percent of the respondents reported that they own forest land in Maine, and 10 percent reported that they are members of organizations such as Maine Audubon, the Sportsman's Alliance of Maine and The Nature Conservancy. Eight percent are employed in the timber or paper industry.

Cindy Pilskaln and Fei Chai Continue Antarctic Research

Cindy Pilskaln and Fei Chai, faculty members in the School of Marine Sciences, are continuing a collaborative project with Chinese oceanographers in the southern Indian Ocean at the edge of the seasonal Antarctic ice pack. In January, Pilskaln and her colleagues plan to retrieve monitoring instruments deployed last December. The researchers are studying the role of the southern ocean in the global carbon cycle. The project was inadvertently left out of a list of active UMaine Antarctic projects in the last issue of *Maine Perspective*.

Furthering the Vision of Archaeology

as an Interdisciplinary, Collaborative Science

A privately funded international research program administered at the University of Maine has awarded \$87,000 in grants to researchers studying economic and cultural ties among peoples of the ancient world. The projects will be carried out in Europe, the Canary Islands, Latin America, the Mideast and Pacific islands.

The Scientific Committee of the Foundation for Exploration and Research on Cultural Origins (FERCO) met in Tenerife, the Canary Islands, April 16 to make the awards, according to Daniel Sandweiss, associate professor of anthropology at UMaine and the president of the FERCO committee.

Sandweiss is also a member of UMaine's Institute for Quaternary Studies, which administers FERCO accounts for research and communications programs. FERCO was established in 1992 with headquarters at the Ethnographic Park of the Pyramids of Guimar in the Canary Islands by Norwegian scientist and explorer Thor Heyerdahl and Norwegian businessman Fred Olsen. Heyerdahl also holds a position as distinguished research associate with the Institute for Quaternary Studies.

The proposals funded by FERCO include, among others, a study of altars in the Canary Islands; excavations in a prehistoric site in Turkey and at an early temple site in Peru; mapping an ancient farming site in southern Arabia; explorations for new archaeological sites on the island of Tobago (Caribbean), in the Peruvian mountains, and on the Korinthian coast of Greece; and chemical tracking of ancient pottery from Pacific islands.

Sandweiss and Heyerdahl met in Peru in the late 1980s and collaborated on excavations at the large pyramid complex at Túcume. They have continued to cooperate on projects, including a major FERCO-sponsored international conference on culture and climate at UMaine in 1998.

"FERCO's grant program allows us to further Thor Heyerdahl's vision of archaeology as an interdisciplinary, collaborative science, and to support his interest in the possible connections between the different peoples of the world. With FERCO's interest in exploration, we can sometimes support ground-breaking scientific, but potentially risky projects that other funding agencies cannot fund, such as the search for pre-ceramic sites on the shores of Tobago," says Sandweiss.

Other members of the FERCO scientific committee include James Richardson III, professor of anthropology and chief curator of anthropology at the Carnegie Museum of Natural History, University of Pittsburgh; Donald Ryan of Pacific Lutheran University; and Lic. Vicente Valencia, archeological supervisor at the Pyramids of Guimar, Tenerife Island, Spain. Heyerdahl is the committee's founding president.

Long-distance interactions and ancient use of the world's oceans for travel and trade are among FERCO's highest research priorities.

FERCO is supported by Fred Olsen S.A., a major Canary Islands corporation that includes the Timex Corp., Middlebury, Conn. Eventually, funds generated by the Ethnographic Park in the Canary Islands will support the foundation's research programs. FERCO supports research to determine the age and origins of the park's pyramids, which resemble other step pyramids in Mexico, Peru and ancient Mesopotamia.

The Foundation plans to provide archaeologists and other scientists with competitive research funding again in 2000.

Acadia National Park

A Watershed of Scientific Information for UMaine Researchers

A tale of two watersheds in Acadia National Park could help scientists get to the bottom of a worldwide mystery – why fish in some lakes accumulate unusually high levels of mercury while fish in nearby lakes do not. University of Maine scientists are working with federal agencies, including the National Park Service, to determine if watershed characteristics such as soil type, vegetation and land use history can be used as reliable indicators of mercury availability.

If they succeed, government officials could have a method for calculating the risk that fish in any one lake or pond might have high mercury concentrations. Maine is one of 40 states to have statewide fish advisories warning the public to limit fish consumption because of potentially high levels of mercury.

Because data from lakes and streams are limited and expensive to collect, officials must assume that all watersheds have high mercury levels. By using reliable indicators, officials might be able to remove advisories from those watersheds deemed to be at low risk, says Steve Kahl, UMaine Water Research Institute (WRI) director, who developed the Acadia project design. Kahl and other UMaine scientists are collaborating with officials from the National Park Service, U.S. Geological Survey, U.S. Environmental Protection Agency and the Maine Department of Environmental Protection.

The project is supported by grants totaling more than \$800,000 from those four organizations. Participating University units include WRI; Biological Sciences; Plant, Soil and Environmental Sciences; Civil and Environmental Engineering; and Forest Ecosystem Science. They are working on Mt. Desert Island in the Canon Brook and Hadlock Brook watersheds on Cadillac Mountain and Penobscot Mountain, respectively.

The sites have also become part of a national environmental monitoring network called PrimeNet, funded by the U.S. EPA and the Park Service. The roots of PrimeNet can be traced back to the early 1980s when Bruce Wiersma, dean of the College of Natural Sciences, Forestry, and Agriculture, proposed a similar network to provide a baseline for monitoring global environmental changes. Wiersma has become involved in the Acadia project in an effort to evaluate forest health.

"The paired watershed design offers us an opportunity to study complex processes in the relatively controlled environment of a national park," says Kahl. "Both watersheds receive similar input from the atmosphere and are subject to the same climate. However, they have very different features such as slope, aspect, soil and vegetation. Most important, the Canon Brook watershed was burned during the 1947 fire, and the Hadlock watershed was not.



Graduate Student Sarah Vidito working in Hadlock Brook

Photo by WRI

Our hypothesis is that the Canon watershed should export less mercury in stream water than Hadlock. So far, our preliminary data confirm that view, suggesting that less mercury is available for uptake by fish in Canon."

According to the hypothesis, it is likely that most of the mercury accumulated on the Canon Brook watershed prior to 1947 was vaporized by the fire. Maine receives polluted air coming from the Ohio River valley and up the East Coast. Mercury, lead and other pollutants have literally fallen from the sky for decades. Researchers reason that since 1947, little mercury would have accumulated on the steep slopes and thin soils of Canon because there was little forest present to intercept and concentrate the contaminants in precipitation. That interception, called throughfall, is the most important mechanism for transfer of pollutants from the atmosphere to the land, says Kahl.

The watershed may also lack the habitats for microorganisms that can turn inorganic mercury into its more biologically available cousin, methylmercury.

However, the more gentle slopes of more heavily forested Hadlock suggest another story. Its mercury burden was not vaporized in 1947,

and its softwood vegetation, thicker soils and wetlands may have continued to collect and store mercury. Fish in its streams and ponds are more likely to have high mercury contamination, according to the hypothesis.

Since last spring, students and faculty have been hauling research equipment up steep slopes, collecting soil samples and measuring water flows. They have also been evaluating forest health. Because the National Park Service wants to provide a natural landscape for park visitors, researchers are taking precautions to minimize impacts on resources and scenery.

Components of the research include the following:

- ▼ Sarah Vidito, a graduate student in UMaine's recently established Water Resources Program, is working on a new technique for measuring the quality of throughfall. Precipitation filtered through softwoods tends to be higher than throughfall from hardwoods. Typical throughfall measurement equipment includes precipitation collectors and sample storage devices. Vidito is designing a smaller more efficient collection system that relies on resin-coated beads, similar to the beads used in home water softening systems.

- ▼ Molly Schaffler, research associate with WRI and the Institute for Quaternary Studies (IQS), and IQS Director George Jacobson are studying landscape history. In previous research, they designed a technique to trace vegetation history through analyses of pollen

continued on page

Cooperative Park Studies Unit Helping Acadia Balance Its Mandate to Provide Public Recreation, Protect Natural Resources

UMaine researchers travel the length and breadth of the state pursuing environmental research. Outside the University's own research farms and forests, few locations have captured the attention of students and faculty as much as Acadia National Park.

About 20 separate UMaine projects are under way or in the planning stages, according to David Manski, director of resource management at the park, and Allan O'Connell, leader of the Cooperative Park Studies Unit (CPSU) at UMaine. Those projects run the gamut from studies of the environment to visitor services, cultural history and engineering consultations.

"Acadia is one of the top destinations for visitors to Maine. The number of park visitors is increasing 5 percent to 6 percent a year," says Manski. "We have to balance our mandates to provide recreation and protect the park's resources. There are inherent challenges, and we need information. It's important to have a mechanism for understanding how things are changing."

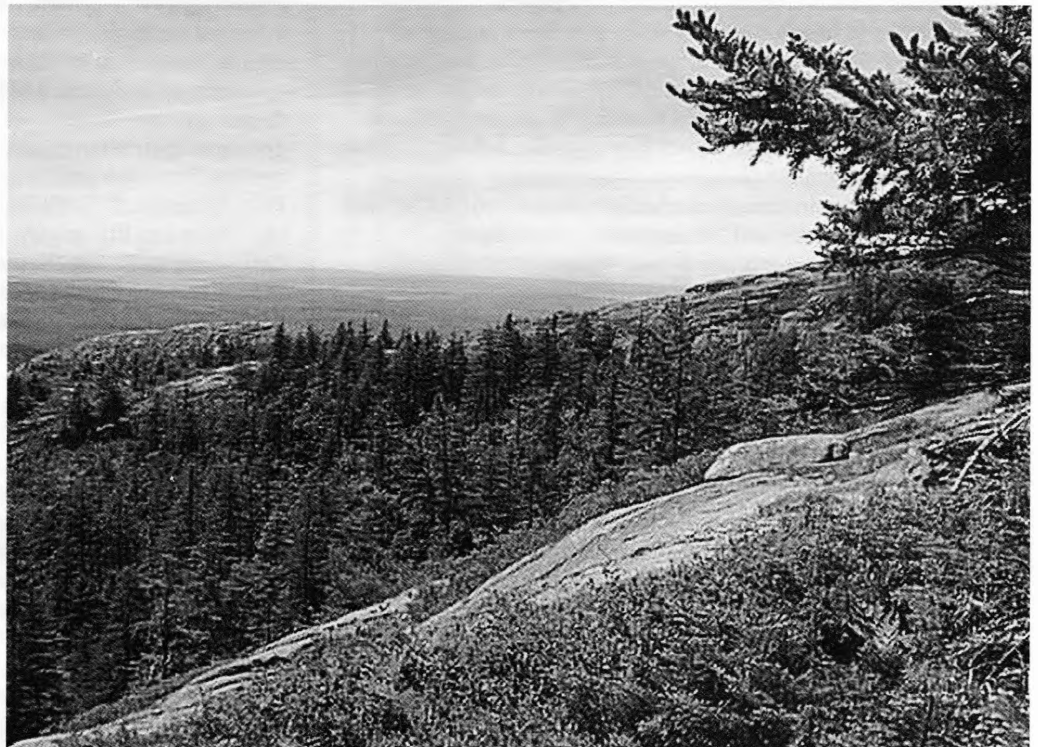
Since 1992, CPSU has fit that bill. CPSU provides a direct pipeline between the National Park Service and UMaine scientists. Periodically, the Park Service seeks faculty for specific projects and handles finances. O'Connell is a member of the graduate faculty in wildlife ecology and an employee of the Biological Resources Division of the U.S. Geological Survey. He also conducts research on NPS wildlife issues.

There are inherent challenges, and we need information. It's important to have a mechanism for understanding how things are changing.

Accomplishments of CPSU in the past five years include:

- ▼ understanding of coyote-deer interactions on Mt. Desert Island
- ▼ investigation of evidence for early American settlements on Mt. Desert Island pre-dating establishment of the park
- ▼ creation of a water resources management plan involving the park, municipalities and State agencies
- ▼ creation of an alternative waste management systems for Acadia and other parks
- ▼ historical pollen analysis of spruce forests at Acadia
- ▼ new knowledge of how atmospheric deposition (mercury, lead, acid rain) have affected Acadia's lakes, watersheds and ecosystems

Total National Park Service funding for projects coordinated through CPSU, says O'Connell, amounts to about \$1.5 million. Faculty have successfully competed for additional funding from federal agencies and foundations. ▲



Hadlock Brook Watershed, Acadia National Park

Photo by Ivan Fernandez

Survey Looks at the Island Explorer Experience

A new public bus system on Mt. Desert Island is getting an evaluation by the UMaine Parks, Recreation and Tourism Program. The system, known as the Island Explorer, began this year and links popular attractions in Acadia National Park with communities such as Bar Harbor, Northeast Harbor, Southwest Harbor and Trenton on the mainland.

It is operated by Down East Transportation Inc., a non-profit company in Ellsworth, during the peak vacation time between late June and Labor Day.

John Daigle, assistant professor, is surveying bus riders to determine their satisfaction with the system, how it affects their recreational experience, and whether or not they intend to use the system again. Daigle is working with a student, Raleigh Ehrlenbach of Trenton, who will begin a master's program in parks, recreation and tourism in December. Ehrlenbach is currently an undergraduate at Lyndon State College in Vermont.

"The system has been a tremendous success in terms of the number of riders. The tally for this summer was 142,260 riders," Daigle says. "Nine more buses are on order for next year."

The purpose of the system is to enhance safety on park roads, reduce congestion, and improve air quality and visitor experiences. The Maine Department of Transportation, Acadia National Park, Friends of Acadia, island towns and businesses have provided \$871,000 in financial support. The service is free to the public.

An increase in traffic this year made the bus system debut particularly timely, says Daigle. Traffic across the Trenton bridge was up 7 percent in June and 4 percent in July, compared to the same months in 1998.

During August and September, Ehrlenbach rode selected buses and asked people to participate in the survey. Starting Sept. 14, surveys were mailed out. Daigle is hoping for a minimum of 400 responses.

The system is one of five similar projects at other national parks, including Yosemite, Grand Canyon and Zion, as well as the Golden Gate National Recreation Area. ▲

Science Education *continued from page 1*

"I'm excited to have University science students coming to work side-by-side with my kids," says Susan Eaton, third and fourth grade teacher at Indian Island School who helped to design the program. "I do general teaching in science, but these lessons will be hands-on and much more specific. I think it's going to work out very well."

Tom Perry, superintendent of schools in Orono and Veazie, says the University students will be important as role models. "The program is a great opportunity for our kids to get exposed to upper-level students with strong expertise in scientific areas."

"We also know that science is one of the big areas in which we are facing teacher shortages in the near future. We're hoping that some of these students will consider education as a career."

The project will expand on curricula already taught in each school and provide teachers with access to new equipment and information. It does not replace existing science activities in the schools.

Ten UMaine graduate students, who will be known as NSF Graduate Teaching Fellows, will be selected for the program on the basis of their academic performance, their research and their demonstrated ability to communicate scientific concepts.

Two undergraduates will also be chosen. They will receive instruction in teaching methods before they spend one to two days per week in public school classrooms. In addition to their teaching duties, they will continue their own University-based research as part of their degree programs.

Weekly seminars are planned to discuss educational strategies and curriculum development.

Other UMaine faculty who helped to write the grant proposal are Barbara Cole in chemistry; Mike Vayda in biochemistry, microbiology and molecular biology; Steve Norton in geological sciences; and Susan Hunter in biological sciences. Faculty members from other areas of the University, including the College of Education and Human Development, will be participating in the project.

After the project is completed, organizers hope to continue scientific collaboration between the University and public schools. Ideas for the future include a regular summer science camp for public school teachers, a lecture series for high school students and an endowment to support students serving as science aides in the schools. ▲

State of the University *continued from page 1*

likely future needs of students and the state, and how the University can shape itself to meet those challenges. Members of the University community are invited to join friends of the University, members of the public and Maine legislators in 90-minute meetings, which began in September and now are occurring throughout October.

Each group will consider three major questions:

- ▼ What are the large changes that Maine, the U.S., and the world will see during the next decade?
- ▼ What do those changes suggest about the University's overall mission, and the education, research and service programs that UMaine should be providing in the future?
- ▼ How does the University best position itself to move from 1999 to 2010 and beyond?

To participate in one of the discussions slated throughout this month, call Carole Gardner in the Provost's Office, 581-1617.

Summaries from each of the discussions will be compiled and used to stimulate further dialogue about UMaine vision statements and strategic directions. ▲

Fulbrights *continued from page 2*

intervention studies to assess treatment effects; and in experimental research in social and emotional development.

Educators and clinicians have used the SCBE to assess the degree and specific features of behavioral and emotional problems in children in public and private daycare and preschool centers. Since the publication of the *French Manual* in 1997, the French version of the SCBE has been distributed in France and Quebec by Les Editions du Centre de Psychologie Appliquee, Paris. Currently, it is the only instrument of its kind in use in France and has filled a need for researchers and practitioners interested in early childhood.

LaFreniere will pursue four specific objectives related to the ongoing introduction of the SCBE to France: validation of a parental version of the SCBE (until now only teachers have been respondents), with parental data analyzed for internal consistency, correlation with similar measures and stability over time, and compared with teacher reports to determine the contextual specificity of various social and emotional problems and competencies; extension of the normative base of the SCBE, to include a large sample of children from metropolitan Paris – data essential in the preparation of standardized norms for generating percentile scores in clinical work; further establishment of concurrent, discriminant and construct validity with the French version; and contribution to a cross-cultural data set on gender differences in social and emotional competence, and gender differentiated prevalence rates of behavior problems.

▼ Grosswiler is the first journalism professor to teach on a Fulbright at Wuhan University.

Accompanying Grosswiler to China will be UMaine journalism faculty member Marie Tessier, who will be a correspondent for Public Radio's "Marketplace."

Grosswiler became interested in China as a graduate student at the University of Missouri. His general research focuses on international media ethics, and Third World socialist and communist media systems. Grosswiler is an authority on Marshall McLuhan, best known for his theories of how media shape individual perception and social institutions.

"McLuhan's ideas fit with this cross-cultural media research," says Grosswiler, author of *Method Is the Message: Rethinking McLuhan Through Critical Theory*. "Part of my research will continue to look at relationships between culture and media, and McLuhan as an internationalist. I'm interested in the questions raised about dominant media, and culture and social theory."

Grosswiler's research has taken him to Tanzania, where on a UMaine Research Grant in 1992, he studied that country's media system. He conducted a professional values study of Tanzanian journalists, which has since evolved into what Grosswiler hopes will be a tool to conduct a global survey of media.

In 1993, Grosswiler attended a conference in Cuba, where he also spent time gaining first-hand knowledge of the island nation's media system under communist rule.

Grosswiler just returned to UMaine after a semester-long sabbatical last spring, during which he taught a graduate seminar on McLuhan at his alma mater, the University of Missouri.

While in China, Grosswiler hopes to travel to northeastern China to meet with a group of Chinese communication faculty to further his studies of intercultural and international media from a McLuhan studies perspective.

"It has to do with understanding other media systems in their own terms," says Grosswiler. "What we do know about Chinese media is filtered through our own perspectives. I hope to help move beyond that." ▲

V O L U M E S

Recent Works by University of Maine Authors



Maintaining Biodiversity in Forest Ecosystems
 Edited by Malcolm Hunter Jr.
 (Cambridge University Press 1999)

The maintenance of the earth's biological diversity is necessary for ecosystem integrity, as well as being aesthetically desirable. In ecosystems such as forests, which provide a range of resources that can be exploited by humans, the theory and practice of maintaining biodiversity are now seen as fundamental to successful management.

Maintaining Biodiversity in Forest Ecosystems is about maintaining biodiversity in forests – a set of ecosystems that occupy only about 6 percent of the earth's surface but harbor a disproportionate share of the earth's biological diversity. Of particular importance is how biodiversity can be maintained through ecosystem management in those forests subjected to timber harvest. At the core of the book is the philosophy that diversity should be conserved in all its forms – from the smallest microbes to the largest trees – and at all levels of organization – from genes and species to whole ecosystems.

The comprehensive volume provides broad-based perspectives from 34 experts in 10 countries. Contributors include UMaine faculty members Aram Calhoun and Robert Seymour, and two alumni – H. Lee Allen, now in the Department of Forestry, North Carolina State University, and John Litvaitis, Department of Natural Resources, University of New Hampshire.

Editor of *Maintaining Biodiversity in Forest Ecosystems* is Malcolm Hunter, Libra Professor of Conservation Biology. This is his fifth book.



Birds of a Feather: Saving Rare Turkeys from Extinction
 By Carolyn Christman and Robert Hawes
 (American Livestock Breeds Conservancy 1999)

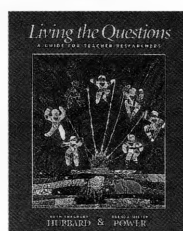
Introducing readers to the beauty and value of turkeys through the 2,000-year history of turkey husbandry is the goal of *Birds of a Feather*, written by Carolyn Christman,

program coordinator for the American Livestock Breeds Conservancy from 1987-99, and UMaine Professor Emeritus of Animal, Veterinary and Aquatic Sciences Robert Hawes, who also serves on the Conservancy's board of directors.

In addition to tracing the history of the great American bird that was almost chosen as the nation's symbol, *Birds of a Feather* provides methods of protecting unique turkey varieties. Of the 10 species of domestic farm animals that are the focus of the American Livestock Breeds Conservancy, none is more genetically eroded and in need of conservation than the turkey.

Turkeys present three images. The large white industrial bird is raised in confinement and the wild turkey thrives in the wild. But the rare birds are the historical farm varieties that have been a colorful, practical and profitable part of diversified farming for centuries. In exploring alternatives, *Birds of a Feather* identifies rare breeds of turkey that maintain genetic diversity.

Birds of a Feather is the first comprehensive text on breeds of turkeys published since the 1950s.



Living the Questions: A Guide for Teacher-Researchers
 By Ruth Hubbard and Brenda Power
 (Stenhouse Publishers 1999)

Research is a process of discovering essential questions, gathering data and analyzing it to answer those questions.

Teachers know that the research they undertake in their classrooms is a powerful tool for many purposes – from finding the best way to teach a subject to organizing student work and assessing children's learning. Teacher research is a way of thinking that involves specific procedures and practices that lead to positive changes in teaching and learning.

Living the Questions is a resource for the methods of teacher research. Written as a guide for both novice and veteran teacher-researchers, the volume challenges and inspires educators at all levels to see the potential for inquiry in their lives. As a research text and contributed collection, the book is designed to help educators understand how and why such teacher research is transforming the profession.

Professors of Education and nationally recognized literacy experts Ruth Hubbard and Brenda Power have collaborated on nine books in the past six years. Hubbard holds the Mary Stuart Rogers chair at Lewis and Clark College; Power teaches at UMaine, where she is the 1999 Distinguished Maine Professor.



Richmond is Maine's first Russian settlement which, in its heyday in the late 1960s, was the largest rural Russian-speaking community in the United States. Now, a window into lives of those members of Maine's "unlikely colony" is provided in a new book by Robert Jaster, published by University of Maine Press.

Jaster interviewed more than 50 residents during his three years of research for *Russian Voices on the Kennebec: The Story of Maine's Unlikely Colony*. Many photos were supplied by Freeda Witham, a former writer for the *Kennebec Journal* and *Richmond Bee*, who took a special interest in the Russian community through the years.

There was a tremendous contrast between the lives of the Russians before and after settling in the Kennebec Valley. They were professors, lawyers, well-known actors who could be found farming or sewing in a shoe factory. Their tradition of thrift and hard work fit in with Yankee values. And like Mainers, the Russians were family-oriented, often depending on family support and loyalty to survive.

There also were great differences between émigrés who left Russia in 1918-22, before Russia fell under Communist rule, those who fled the Soviet regime in World War II and the new Russian-American generation, says Jaster, a former resident of Rockport who now lives in Monterey, Calif.

Faculty are asked to encourage outstanding students to contact Mac Hunter, Department of Wildlife Ecology, 581-2865, about opportunities for post-graduate studies at Oxford University.

Paul Grosswiler, associate professor of journalism and mass communication, a refereed article: "Cross-Breeding Media Ecology and Social Ecology for Social Change," *New Dimensions in Communication Volume XII: Echoes and Reflections* (1999), the proceedings of the 56th Annual Conference of the New York State Communication

Association, Monticello, N.Y., Oct. 9-11, 1998.

Elise Turner and Roy Turner, associate professors of computer science: "A Constraint-Based Approach to Assigning System Components to Tasks," *International Journal of Applied Intelligence*, 10(2/3):155-72.

Susan Cockrell, instructor in women's studies: "Crusader Activists and the 1996 Colorado Anti Trapping Campaign," *Wildlife Society Bulletin*, 27(1):65-74 (1999).

Paul Leiby, Oak Ridge National Laboratory, and **Jonathan Rubin**, assistant professor in the Margaret Chase Smith Center for Public Policy and Department of Resource Economics and Policy: "Sustainable Transportation: Analyzing the Transition to Alternative Fuel Vehicles," *Transportation Research Circular*, Transportation Research Board, National Research Council, 492:54-82 (August 1999).

Brian Roach, research assistant professor of resource economics and policy; **Jonathan Rubin**, assistant professor in the Margaret Chase Smith Center for Public Policy and Department of Resource Economics and Policy; Charlie Morris: "Measuring Maine's Marine Economy," *Maine Policy Review*, forthcoming.

David Bradley, assistant professor of mathematics: "A Class of Series Acceleration Formulae for Catalan's Constant," *The Ramanujan Journal*, 3(2):159-73 (1999).

Chris Lage, graduate student, and **Irv Kornfield**, professor of zoology, School of Marine Sciences: "Isolation and Characterization of Microsatellite Loci in Atlantic Haddock (*Melanogrammus aeglefinus*)," *Molecular Ecology*, 8:1355-57 (1999).

Michael Bank, instructor of wildlife ecology; Richard Lawrence, GIS research associate, ESRI California; William Franklin, professor of animal ecology, Iowa State University; and Isaac Ortega, assistant professor of natural resources, University of Connecticut: "Importance of Wetland Habitats to People and Wildlife in the Grazing Agroecosystem of Southern Chile," *Vida Silvestre Neotropical*, 7(1):43-45 (1999).

A special issue of *Environmental Monitoring and Assessment* (Vol. 22, March 1999) was devoted to research at UMaine's Bear Brook Watershed in eastern Maine. The volume was guest edited by **Steve Norton**, Geological Sciences, and **Ivan Fernandez**, Plant, Soil and Environmental Sciences. UMaine researchers with papers in the issue included Fernandez; Norton; **Terry Haines**, Biological Sciences; **Mike Handley** and **Steven Kahl**, Water Research Institute; **Lindsey Rustad**, Plant, Soil and Environmental Sciences; **Bruce Wiersma**, dean, College of National Sciences, Forestry, and Agriculture; former geology student **Steve Roy**; former forestry graduate student **Greg White**; and former PSE graduate student **Z. Wang**.

M. Andrea Rodríguez, graduate research assistant with the National Center for Geographic Information and Analysis and Ph.D. candidate in spatial information science and engineering, and **Max Egenhofer**, director of the National Center for Geographic Information and Analysis, College of Engineering's Libra Professor, professor in spatial information science and engineering, and cooperating professor in computer science: "Putting Similarity Assessment in Context: Matching Functions with the User's Intended Operations," P. Bouquet, L. Serafini, P. Brezillon, M. Benerecetti, and F. Castellani (Eds.), *Modeling and Using Context-CONTEXT'99*, Trento, Italy. Lecture Notes in Computer Science, 1688: 310-23, Springer-Verlag, Berlin (1999).

Jens Völker, Rutgers University; **R.D. Blake**, professor emeritus of biochemistry; **Scott Delcourt**, director of the Graduate School and cooperating scientist in molecular biology; and Kenneth Breslauer, Rutgers University: "High-Resolution Calorimetric and Optical Melting Profiles of DNA Plasmids: Resolving Contributions from Intrinsic Melting Domains and Specifically Designed Inserts," *Biopolymers*, 50:303-18 (1999).

Jaekyung Lee, assistant research professor: "Missing Links in International Education Studies: Can We Compare the U.S. with East Asian Countries?" *International Electronic Journal for Leadership in Learning* [Online], 3(18):22 paragraphs. Available: www.acs.ucalgary.ca/~iejll/volume3/lee.html

Jaekyung Lee, assistant research professor: "Higher Education Going the Distance for Adult Learners: Emerging Policy Challenges and Research Issues," *Interdisciplinary Journal of Adult and Continuing Education*, 2(2):131-50.

Ted Englebrecht, director of the Master of Taxation Program at ODU, and **Steven Colburn**, associate professor of accounting: "An Analysis of Transfer Taxes on Nonresident Aliens," *International Tax Journal*, 25(4):1-12 (Fall 1999).

Janice Zeman, associate professor of psychology, and **Kimberly Shipman**, former graduate student and currently assistant professor of psychology at the University of Georgia: "Emotional Understanding: A Comparison of Physically Maltreating and Nonmaltreating Mother-Child Dyads," *Journal of Clinical Child Psychology*, 28:407-17.

C.S. Cronan, professor of biology and ecology; **J.T. Piampiano**, former graduate student and now a law student at Lewis and Clark School of Law; and **H.H. Patterson**, professor of chemistry: "Influence of Land Use and Hydrology on Exports of Carbon and Nitrogen in a Maine River Basin," *J. Environ. Qual.*, 28:953-61 (1999).

Book Ends

New & Noteworthy at the University Bookstore

The Paris Pilgrims, by Clancy Carile, Carroll & Graf (1999). To startling effect, biography commingles with fiction in this revelatory novel as it introduces a brash but magnetic Hemingway to the high style and bohemian haunts of the artists and exiles who, with unflinching candor, tell his story. Revealing and beautifully researched, *The Paris Pilgrims* gives us a rich cast of characters – rebels and seekers from Joyce to Stein, Pound, Toklas and more, as well as a fresh look at the Hemingway legend from the eyes of his lovers, mentors, enemies and friends.

Yeats's Ghosts: The Secret Life of W.B. Yeats, by Brenda Maddox, Harper Collins (1999). Covering a period in Yeats's life barely touched by biographers, Maddox carefully examines Yeats's interest in the occult and the writings (vision papers) penned by Yeats and his young wife that resulted from their communication with spirits. This book gets behind the public Yeats, an often misunderstood artist, to expose the human nature of a powerful and intensely private man.

Out of Place: A Memoir, by Edward Said, Knopf (1999). A fatal medical diagnosis in 1991 convinced Edward Said that he should leave a record of where he was born and spent his childhood. With this memoir, Said, an important intellectual of our time, rediscovers the Arab landscape of his early years – a lost world. *Out of Place* reveals a world of rich, colorful characters and exotic Eastern landscapes, while revealing a most personal past. Said lets the reader observe the people who formed his character, allowing him to triumph as he came to terms with the dissonance of being an American citizen, a Christian and a Palestinian, and ultimately, an outsider.

More Matter: Essays and Criticism, by John Updike, Knopf (1999). A compilation of over eight years of prose, first published in *The New Yorker* by the preeminent critic of our time.

Dalai Lama: The Path to Tranquility, compiled and edited by Renuka Singh, Viking (1999). With a special foreword on the power of mediation and personal responsibility, *The Path to Tranquility* is a treasure of daily wisdom to be returned to again and again. A fresh and accessible introduction to the Dalai Lama's inspirational wisdom.

Other Notes:

- ▼ Special Hours for Homecoming, Saturday, Oct. 16 – 9 a.m.-5 p.m.
- ▼ Booksigning by Lynn Plourde, Sat. Oct 16, 10 a.m.-noon. Author of two new children's books, *Moose of Course*, Down East Books (1999) and *Wild Child*, Simon & Schuster (1999), as well as *Pigs in the Mud in the Middle of the Rud*, Blue Sky Books (1997), and *A Celebration of Maine Children's Books*, with Paul Knowles, University of Maine Press (1998).
- ▼ Booksigning by Philip Turner, Sat. Oct 16, 11 a.m.-1 p.m. UMaine Class of '48 and author of *I Am General Eaton*.

Raymond O'Connor, professor of wildlife ecology; **John Bartlett**, former Ph.D. student, Department of Wildlife Ecology; and **Deirdre Mageean**, associate professor of resource economics and policy, Margaret Chase Smith Center for Public Policy, presented a paper, "Congruence of Continental Productivity, Biodiversity and Anthropogenic Stressors Under

Climate and Landscape Constraints," to the International Association for Landscape Ecology Congress, Snowmass, Colo., Aug. 1.

Harold Daniel, assistant professor of marketing, led a workshop, "Beyond Arbitron," as part of the Grass Roots Radio Conference at the College of the Atlantic, Aug. 22. Sponsored by a consortium of non-profit radio stations, workshop discussions centered on research conducted by students in Daniel's fall 1998 Marketing Research class. The research project measured a local non-profit radio station's brand equity.

Debbie Gilmer, acting director of the Center for Community Inclusion and co-director of the Maine Adolescent Transition Partnership (MATP), was the invited representative from the eight-state "Healthy and Ready to Work" network and a keynote presenter at the annual meeting of the Federal Interagency Workgroup on Youth and Employment meeting in Washington, D.C., July 27. MATP is a collaborative effort of the Center and the Maine Department of Human Services, Bureau of Health, with funding from the Maternal and Child Health Bureau, U.S. HHS. In addition, Gilmer represented Maine on the plenary panel, "Celebrating What We Didn't Believe Was Possible," at the annual conference of the New England Chapter of TASH, "Where the Rubber Meets the Road," in Fairlee, Vt., June 12. The annual meeting of the Board, held in conjunction with the conference, marked the end of Gilmer's four-year term as president of the chapter.

Alan Kurtz, project coordinator, **Debbie Gilmer**, acting director, and **Lenny Berry**, adjunct instructor at the Center for Community Inclusion, presented a paper, "Inclusive Co-Instruction: Learning from the Experts," at the annual conference of the New England Chapter of TASH in Fairlee, Vt., June 12.

Paul Grosswiler, associate professor of journalism and mass communication, presented a research paper, "Cultural Diversity in the Global Village: Marshall McLuhan and Multiculturalism," and moderated a double-session research paper panel on "First Contact: Interpreting McLuhan Across Borders" at the Canadian Communication Association annual conference, a part of the Congress of the Social Sciences and Humanities, Université de Sherbrooke, Quebec, June 6-8. The panel included seven other research papers by master's and doctoral students from Grosswiler's graduate seminar at the University of Missouri School of Journalism, where he was a visiting professor during his spring 1999 sabbatical.

Roy Turner and **Elise Turner**, associate professors of computer science, co-organized, with colleagues from France, a workshop on Reasoning in Context for AI Applications at the National Conference on Artificial Intelligence (AAAI'99) in Orlando, June 19.

Researchers from the Department of Computer Science presented papers at the Second International and Interdisciplinary Conference on Modeling and Using Context in Trento, Italy, Sept. 9-11. Two papers were published in the conference proceedings: "A Model of Explicit Context Representation and Use for Intelligent Agents" (Associate Professor **Roy Turner**) and "Aspects of Context for Understanding Multimodal Communication" (Associate Professor **Elise Turner**, R. Turner, Ph.D. student **John Phelps**, M.S. student **Charles Grunden**, and undergraduate students **Mark Neale** and **Jason Mailman**).

Roy Turner, associate professor of computer science, presented a paper, co-authored by undergraduate **Jason Mailman**, "Interfacing the Orca AUV controller to the NPS UVW and to a Land Robot," at the 11th International Symposium on Unmanned Untethered Submersible Technology, Durham, N.H., Aug. 22-25.

Paul Leiby, Oak Ridge National Laboratory, and **Jonathan Rubin**, assistant professor in the Margaret Chase Smith Center for Public Policy and Department of Resource Economics and Policy, gave an invited presentation, "Transitional Barriers to Introducing New Technologies," at Transportation Energy and Environmental Policy for the 21st Century, Aug. 24-27, Asilomar Conference Center, Monterey, Calif.

Stephanie Painton, graduate student, Department of Wildlife Ecology, and **William Krohn**, leader, Maine Cooperative Fish and Wildlife Research Unit, gave a poster presentation, "Major Conservation Lands and the Maine Landscape: What Should be Conserved and Where?" at the annual meeting of the Society for Conservation Biology, University of Maryland, College Park, June 17-21.

David Bradley, assistant professor of mathematics, presented an invited lecture, "Nested Sums and Iterated Integrals," in the special session on the interaction of physics, number theory and computer algebra at the International Association for Computers in Simulation Conference on Applications of Computer Algebra, Madrid, Spain, June 26.

William Krohn, leader, Maine Cooperative Fish and Wildlife Research Unit; **Randall Boone**, former research associate, Department of Wildlife Ecology; and **Jeffrey Hepinstall**, research associate, Department of Wildlife, gave a slide presentation, "An Evaluation of Conservation Thresholds Used to Define Protected and Unprotected Vertebrates in Gap Analyses," at the 9th annual National GAP Meeting, Duluth, Minn. Aug. 4. At the same meeting, **Sandra Schaefer**, graduate student, Department of Wildlife Ecology, and Krohn gave a slide presentation Aug. 3, "Accuracy Assessment of Predicted Vertebrate Occurrences: Are Detailed National Standards Technically Feasible?"

This August at the annual meeting of the American Psychological Association in Boston, the following presentations were made: "New Research Directions in Seasonal Affective Disorder," by **Sandra Sigmon**, associate professor of psychology; "Cognitive-Behavioral Variables: Seasonal Patterns Among Women with SAD and Controls," by graduate student **Kelly Rohan**, Sigmon and graduate student **Diana Dorhofer**; and "Seasonal Anergia: A Distinct Subsyndrome of Seasonal Affective Disorder," by graduate student **Nina Boulard** and Sigmon, all in the symposium, "New Research Directions in Seasonal Affective Disorder," chaired by Sigmon.

John Bartlett, alumnus and U.S. Department of Agricultural Forest Service; **Deirdre Mageean**, associate professor of resource economics and policy, and interim director, Margaret Chase Smith Center for Public Policy; and **Raymond O'Connor**, professor of wildlife, gave an invited paper, "Operationalizing the Human Dimensions of the Environment: A Case History of Continent-Wide Interactions," at the annual meeting of the American Sociological Association, Chicago, Aug. 6-10.

Kate Beard, chair and associate professor, spatial information science and engineering, and **Max Egenhofer**, director of the National Center for Geographic Information and Analysis, College of Engineering's Liba Professor, professor in spatial information science and engineering, and cooperating professor in computer science, attended the DARPA International Workshop on Maps and GIS, Arlington, Vir., June 8. Beard gave a talk on "Spatial Reasoning" and Egenhofer presented "GIS Research Issues."

WATER RESEARCH INSTITUTE RECEIVES GOVERNOR'S AWARD FOR ENVIRONMENTAL EXCELLENCE

The Water Research Institute has received its second major award in two years in the field of environmental research and education. "Testing the Waters: Discovering the Penobscot River Watershed" has been selected to receive the 1999 State of Maine Governor's Award for Environmental Excellence.

The award was presented in Augusta Sept. 21 by Gov. Angus King and Martha Kirkpatrick, commissioner of the Maine Department of Environmental Protection.

Project coordinators are Mary Ann McGarry, College of Education and coordinator of Project WET (Water Education for Teachers) in the Water Research Institute, and Betty Lee and Steve Kahl of WRI. The environmentally based educational program featured a hands-on water quality stewardship experience for 24 school districts along the Penobscot River watershed in Maine. Testing the Waters was funded by the 1998 Environmental Protection Agency's Northeast Region Environmental Education Grants Program and the Maine Outdoor Heritage Fund.

The previous award was in 1998, when the WRI received the New England EPA Environmental Merit Award for innovative and entrepreneurial efforts on numerous environmental topics including environmental toxics, acid rain, lake eutrophication and groundwater chemistry.

Angela Constable, Maurice Van Arsdol Jr., and **Deirdre Mageean**, associate professor of resource economics and policy, and interim director, Margaret Chase Smith Center for Public Policy, "Decision Making Under Scientific Uncertainty: Sea Level Rise Risks in Coastal California and Maine," at the 10th annual meeting of Global Warming International Conference and Expo, Mt. Fuji, Japan, May 5-8. In addition, Constable, Van Arsdol, and Mageean, "Risks from Sea Level Rise in Coastal California and Maine," at the 1999 Open Meeting of the Human Dimensions of Global Environmental Change Research Community, sponsored by the Institute for Global Environmental Strategies (IGES), Shonan Village, Hayama, Japan, June 24-26. And Constable, Van Arsdol and Mageean, "Stakeholder Perception of Risk to Sea Level Rise in Coastal California and Maine," at the annual meeting of the International Association for Impact Assessment (IAIA), University of Strathelyde, Glasgow Scotland, June 15-19.

Deirdre Mageean, associate professor of resource economics and policy and interim director, Margaret Chase Smith Center for Public Policy, presented "The Demographics of the Two Maines" at the ASPA Annual Spring Conference, University of Maine, June 11.

Howard Segal, Bird & Bird Professor of History, gave a paper on "National Science and Technology Policy" at the Policy History Conference celebrating the 10th anniversary of *The Journal of Policy History*, St. Louis, May 28, and gave a paper on "Eighteenth-Century American Utopias" at the Tenth International Conference on the Enlightenment, Dublin, July 29.

Professor and Chair of Computer Science **George Markowsky** attended the "Partners in Research" conference at Oak Ridge National Laboratory, Aug. 18-19. In addition, he was an invited lecturer at the Ordal'99 meeting in Montpellier, France, Aug. 25-27, where he presented a talk, "The Poset of Irreducibles: A Basis for Lattice Theory." Markowsky also attended the National Supercomputer Alliance Chautauqua Meeting at Boston University, Sept. 13-16.

Janice Zeman, associate professor of psychology, co-authored two presentations with Department of Psychology graduate students **April Nesin** and **Leslie Sim**, and former graduate students **Kim Shipman** and **Susan Penza-Clyve**, at the annual meeting of the American Psychological Association in Boston, Aug. 20-24: "Emotion Dysregulation in Children with Somatic Complaints" and "Mother and Child Report of Asthmatic Children's Emotional Expressiveness."

Alfred Leick, professor in spatial information science and engineering, visited various research groups in Germany during July and August. He followed an invitation by the Alexander von Humboldt Foundation to discuss current efforts of the EU to build the GALILEO satellite navigation system and its integration with the USA-operated GPS satellite system and the Russian GLONASS system. Discussions were held at the GeoForschungsZentrum (GFZ) in Potsdam, the University of the Federal Armed Forces (Munich), the Technical University Munich, the University of Stuttgart, and the German Geodetic Research Institute. The GALILEO system is in the definition phase and expected to be operational in the next decade.

Deborah Rogers, professor of English, presented "Ann Radcliffe's Female Gothic: Literature at the Margins" at the 10th International Congress on the Enlightenment, Dublin, July 30.

Geoffrey Thorpe, professor of psychology, presented a paper, "Psychological Models and Psychological Treatment of Panic Disorder" at the Adult Psychopathology Institute, University of Southern Maine, Portland, July 23.

James Sucec, professor of mechanical engineering, presented a paper, "Transient Conjugate Convection Heat Transfer in a Duct with Wall Generation," at the 33rd National Heat Transfer Conference, Aug. 14-17, Albuquerque. Co-author is **Hong-Zhao Weng**, former graduate student, now at Baric Systems Inc., Houston.



A delegation of faculty from Hirosaki University in Aomori Prefecture visited UMaine Sept. 7-9. The delegation had meetings with University administrators, faculty and staff to discuss international programs, faculty development, enrollment management, and admissions. Kuramata toured the Physics Department, and Ozekhi visited Chemistry. This fall, the first student from Hirosaki is here on exchange. The visit was arranged by the Office of International Programs. Pictured here meeting with the delegation are, front row, left to right, James Berg, Karen Boucias and Beth Eustis. Members of the delegation are, front row, far right, Yutaka Hamazaki, and second row, left to right, Vic Carpenter, Katsumi Nakazawa, Shuidi Kuramata and Kunio Ozeki.

Photo by Mority Rand

RESEARCH ON CENTURY-OLD MURDERS TAKES GRADUATE STUDENTS TO HAWAII

A group of graduate students visited Hawaii in early August to present a comprehensive historical analysis of the famous Smuttynose Island axe murders of 1873.

Graduate students Sherry Abbott, Anu Dudley, Elisabeth Hill, Lynne Manion, Kevin Marsh and Cynthia Richardson participated in the American Historical Association Pacific Coast Branch annual meeting, Aug. 5-8.

The case involved two Norwegian immigrant women who were murdered in their home on Smuttynose Island, in the Isles of Shoals off the Maine-New Hampshire coast. The crime received sensational coverage at the time, and continues to be the subject of lore and legend in the region. Although a German immigrant fisherman was executed for the murders, doubt still lingers to this day regarding his guilt.

The project began last spring in a research seminar taught by Paula Petrik, professor of history. The students in the seminar examined the history behind the Smuttynose murders. They traveled to New Hampshire to read some of the original documents associated with the case and worked as a team to collect information about the social, legal and scientific factors that influenced the trial's outcome.

The results of this research will be published as a book, with each student writing one of the chapters. At the Hawaiian conference, students read papers on each of their topics.

Subjects covered in the presentations include an overview of the historical significance of the murder case, an examination of the forensic medicine aspects of the investigation and trial, a discussion of how the trial may have played a role in the ending of Maine's death penalty, an analysis of how the murders affected the remaining Norwegian immigrants' assimilation into American culture and discussions of 19th- and 20th-century popular and literary portrayals of the murders.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

The Institutional Animal Care and Use Committee (IACUC) reminds investigators/instructors that no research, teaching, or testing activities using live vertebrate animals shall be initiated until the IACUC has approved a protocol for such use. Listed below are the meeting dates for the fall semester. Completed Protocol Review Forms should be submitted two weeks before the meeting date in order to be reviewed at that meeting. Protocol review forms and copies of the University's Policies and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, 581-1498. The information is also available at the ORSP Website, www.ume.maine.edu/~spd/index.html

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

IACUC meeting dates (submit protocols at least two weeks before meeting date): Oct. 19, Nov. 16, Dec. 14.

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.

Research Assistant (Molecular Genetics), Department of Biochemistry, Microbiology & Molecular Biology. Full-time appointment from Oct. 1, 1999 through Sept. 30, 2001, with extension beyond this term contingent upon performance and continued funding. Position includes some laboratory administrative duties and some overseeing of student research. Qualifications: Required: Bachelor's degree in one of the biological sciences; some lab bench experience with nucleic acid isolation, cDNA synthesis, cloning, PCR amplification, gel analysis; excellent oral and written communication skills, and organizational skills; computer proficiency. A pre-employment, baseline physical will be required. Desired: Working knowledge of Windows, MacOS and Unix computer operating systems; applied knowledge in the proper handling, use, and disposal of radioisotopes and other hazardous materials associated with a molecular genetic research laboratory. Salary Range: \$23,000-\$25,000 commensurate with qualifications and experience. Review of Applications: Will begin 10/1/99. Contact: Send letter of application, resume, and names and addresses of three current references to: Keith Hutchison, Biochemistry, Microbiology & Molecular Biology, University of Maine, Room 177, 5735 Hitchner Hall, Orono, ME 04469-5735 or via e-mail to keithh@maine.edu.

Research Associate, Center for Research and Evaluation, College of Education & Human Development. Fiscal-year, professional position, with continuation contingent on performance and external funding. Qualifications: Required: Minimum of a master's degree; demonstrated computer proficiency, including knowledge of SPSS, Microsoft Office, data collection coding designs; working knowledge of educational research and practice; excellent oral/written communication and organizational skills; and demonstrated successful writing skills and substantive experience with program evaluation. Some in-state travel is required, normally requiring a valid driver's license. Preferred: Experience working with public school educators and other human service agencies in Maine. Salary Range: \$32,000-\$34,000. Review of Applications: Will begin immediately and continue until the position is filled. Start Date: 10/18/99. Contact: Send letter of application, resume, and names and phone numbers of three references to: Amy Cates, University of Maine, College of Education & Human Development, 5766 Shibbes Hall, Orono, ME 04469-5766.

Grant Accountant/Fiscal Analyst, Office of Research and Sponsored Programs. Ongoing full-time regular, fiscal-year position. Qualifications: Required: Bachelor's degree and significant successful work experience in fund accounting and fiscal reporting in a nonprofit research administration setting; proven analytical and critical thinking skills and demonstrated ability to communicate effectively with faculty, staff and external sponsors. Preferred: Degree in accounting and demonstrated experience in fiscal aspects of extramurally funded projects in an academic environment; familiarity with federal and state regulations pertaining to grants and contracts; basic knowledge of University policies and accounting system procedures as related to sponsored projects; and solid working knowledge of e-mail, spreadsheets and experience with database management systems. Salary Range: \$29,000-\$34,000. Review of Applications: Will begin 10/12/99. Contact: Send letter of application, resume, and contact names for three current references to: Richard Carlson, Office of Research and Sponsored Programs, University of Maine, 5717 Corbett Hall, Orono, ME 04469-5717. Please direct all questions to (207) 581-1471.

Research Associate, Center for Research and Evaluation, College of Education & Human Development. Fiscal-year, professional position, with continuation contingent on performance and external funding. Qualifications: Required: Minimum of a master's degree; demonstrated computer proficiency, including knowledge of Microsoft Office; excellent oral/written communication and organizational skills; demonstrated successful writing skills; working knowledge of educational research and practice; and proven interest in staff development. Some in-state travel is required, normally requiring a valid driver's license. Preferred: Substantive experience in educational settings; proficiency in the use of micro-computers; and demonstrated abilities to work well both independently and with a team. Salary Range: \$28,000-\$30,000.

Review of Applications: Will begin immediately and continue until the position is filled. Start Date: 10/18/99. Contact: Send letter of application, resume, and names and phone numbers of three references to: Amy Cates, University of Maine, College of Education & Human Development, 5766 Shibbes Hall, Orono, ME 04469-5766.

Research Specialist, SALARY CORRECTION, School of Marine Sciences. Full-time ongoing position in biological/chemical oceanography, contingent upon funding. Qualifications: M.Sc. with at least two years of job-related experience outlined as follows: Proven experience in trace metal clean methods, including sampling of marine waters, trace metal preconcentration with flow extraction methods, as well as substantial experience using high resolution ICP-MS; demonstrated expertise in planning and conducting shipboard experiments and willing and able to spend up to two months per year at sea; direct experience with cross flow filtration, voltammetric determination of metals, radioactive metal isotope tracers in plankton bioassay experiments, nutrient analysis, and general method development practices; previous responsibilities for general and clean laboratory organization and administration. Review of Applications: Will begin 10/1/99. Salary: \$35,000. Contact: Electronic applications will not be accepted. Send current resume and the names and addresses of three references to: Mark Wells, School of Marine Sciences, University of Maine, 5741 Libby Hall, Orono, ME 04469-5741.

Irving Chair for Forest Ecosystem Management, College of Natural Sciences, Forestry and Agriculture. Academic-year (nine-month), full-time, tenure-track endowed Associate or Full Professor position in Forest Ecosystem Management (40% teaching and 60% research). Qualifications: Required: Earned Ph.D. preferably in silviculture, forest ecology, forest management or a closely related field. Substantial experience in, and a demonstrated commitment to, teaching excellence and scholarly research; proven successful publication and grant record; excellent public communications skills, both written and oral. Highly Desirable: Experience working with industrial and other private forestland owners and managers. Review of Applications: Will begin Jan. 1, 2000. Interviews will be conducted until a suitable candidate is found. Contact: Send resume, transcripts of all relevant academic work, and names and addresses of five references to: David Field, Chair, Irving Chair Search Committee, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755. Tel: (207) 581-2856; Fax: (207) 581-2875; e-mail: field@umenfa.maine.edu

Assistant Professor, Department of Philosophy. Full-time, tenure-track position. Qualifications: Ph.D. in philosophy by September 2000. Area of Specialization: Ethics. Area of Competence: Medical Ethics and at least one other area of Applied ethics (e.g., Business Ethics, Environmental Ethics, or Feminist Ethics). Second Area of Competence: One area outside of ethics, e.g., History of Philosophy (Kant to present), Philosophy of Religion, or Philosophy of Technology. Demonstrated commitment to teaching excellence and scholarly research. Review of Applications: Will begin 11/1/99 and continue until the position has been filled. Start Date: Fall 2000. Contact: Send detailed letter of application, c.v., graduate transcript, and have three letters of reference sent to: Professor Doug Allen, Chair, Department of Philosophy, University of Maine, 5776 The Maples, Orono, ME 04469-5776.

Telecommunications Specialist, Information Technologies. Professional position. Qualifications: Required: Obtaining an electrical low energy license within 2 years from appointment date. Demonstrated successful experience in wiring; proven ability to work unsupervised and demonstrate independent sound judgment on a regular basis; excellent oral and written communication skills and proven ability to communicate and coordinate with all levels of the University community. Frequent travel to on and off-campus sites, normally requiring a valid driver's license. On-call by pager as described in IT's on-call policy. Pre-employment physical and State Bureau of Investigation check is required. Preferred: Prior telecommunications experience; proficiency in use of telecommunications and network test equipment and procedures; and familiarity in use of PC's, Mac's and associated operating systems and CTI equipment. Salary Range: \$23,000-\$27,000. Fringe benefits include health insurance, life insurance, and retirement (TIAA-CREF), and spouse or dependents are eligible for a 50% tuition waiver as full-time students. Review of Applications: Will begin 10/4/99 and continue until the position is filled. Contact: Send cover letter, resume and 3 letters of reference to: Leslie Shaw, University of Maine, Information Technologies, 5752 Neville Hall, Orono, ME 04469-5752.

continued next page

Assistant/Associate Professor, School of Social Work. Full-time, academic-year, tenure-track faculty position. The candidate will be required to teach, conduct research and participate in service commensurate with University and School of Social Work tenure requirements. Qualifications: Required: Earned Doctorate in social work or related field (ABD considered); MSW and two years of post-MSW practice experience; ability to travel frequently within the State of Maine (as needed for field place visits), normally requiring a driver's license. Preferred: Proven commitment to excellence in scholarship and teaching; demonstrated expertise to prepare students to work with diverse populations. Review of Applications: Will begin 10/15/99 and continue until the positions are filled. Contact: Submit a letter of application, curriculum vita, current writing sample, and the names of three references to: Diane Haslett, Search Committee Chair, School of Social Work, University of Maine, 5770 Social Work Building, Orono, ME 04469-5770.

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

POSITION AVAILABLE

Secretary needed for student organization, Campus Crusade for Christ. Three days per week, prior experience required and references necessary. Send resume to: Campus Crusade for Christ, 190 Main St., Orono 04473.

Campuswide Calendar

The University of Maine Master Calendar is a searchable electronic listing of on-campus events for the academic year that have been submitted for inclusion. The Web-based Master Calendar is located at www.calendar.umaine.edu and on FirstClass (Campus Activities folder).

UNIVERSITY POLICY AND PROCEDURES FOR THE PROTECTION OF HUMAN SUBJECTS OF RESEARCH

The Protection of Human Subjects Review Board wishes to remind students, employees, and agents of the University who conduct research involving human subjects that they must comply with the University Policy and Procedures for the Protection of Human Subjects of Research. These procedures exist for the rights and welfare of the people who participate in UMaine research. No systematic investigation of information obtained by observing or interacting with people, or by collecting and examining any form of identifiable private information about people, may be conducted until: 1) A unit review committee has reviewed the research protocol and determined that the project is exempt from further review, or, 2) the Protection of Human Subjects Review Board has approved the research protocol. For a copy of University of Maine Policy and Procedures, Research Application Form, or other assistance, researchers or subjects with questions or concerns should contact the Office of Research and Sponsored Programs (ORSP), 424 Corbett Hall, 581-1498. Information is also available at the ORSP Website, www.ume.maine.edu/~spd/index.html

SURPLUS SALE: The University of Maine offers for sale, on an as-is, where-is basis, the following: (5) MAC COMPUTERS, Powermac 7200/90, 64 MB RAM, 1.2 GB hard drives, \$400 each; (18) DELL COMPUTERS, Pentium 90, 32 MB RAM, NO HARD DRIVES, \$250 each; (30) ROOM DIVIDERS, various widths, 4' high, cloth w/ metal trim, \$20 each; (1) GAS STOVE, Vulcan, 6 burners, 2 ovens & griddle, w/ exhaust system, \$1,000, (1) FRYOLATOR, electric, 2 basket, \$100; (1) COMPRESSOR, Curtis CA-1183, 10 hp, \$300 or B/O; (1) VIDEO PROJECTOR, Barco Data-800, w/ new CRTS, \$1,100. Off-campus inquiries are welcome. Items generally sell for the prices specified; however, lower offers are sometimes considered. For further information contact Ron Logan, Purchasing Department, 581-2692 or e-mail: Logan@Maine

FACULTY RESEARCH FUNDS COMMITTEE DEADLINES

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

Note: The Regular Faculty Research Fund and the Scientific Equipment and Book Fund competitions have the same deadline (Oct. 27), but have separate application guidelines. If eligible, individuals may apply for both awards. Remember, 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 research effort.

Program Changes

▼ The Vice President for Research has increased the funds to support the FRF Program, and faculty may request larger awards. A total of \$220,000 has been allocated for these competitions. Approximately \$115,000 is budgeted for the Regular Faculty Research Fund Award and the Scientific Equipment and Book Fund Award combined (12-15 awards are expected to be made); and approximately \$105,000 is budgeted for the Summer Faculty Research Fund Award (14 awards are expected to be made).

▼ Faculty members receiving substantial start-up funds are ineligible to receive awards from the FRF Program for a period of two years. If you have received a substantial start-up package within the past two years and have questions about your eligibility for this Program, contact Vice President Dan Dwyer, x1506.

▼ The University currently has a substantial amount of money to invest in five research and development (R&D) areas: advanced materials, biotechnology, aquaculture, information technologies, and forestry and agriculture.

It is therefore intended that priority be given to faculty outside those five areas when allocating FRF funds. As a part of each application, faculty must list and describe the financial resources available for use under his/her direction during the current academic year, including gifts, grants and contracts, and ALL internal funds (start-up funds, cost-sharing, R&D funds, etc.).

The FRF Program stimulates and assists individual members of the faculty to initiate or redirect research or studies of a scholarly nature. Eligibility is limited to full-time faculty. This includes tenured, tenure-eligible, and soft-money faculty for whom research is an expected component of their appointment. Faculty are eligible to receive the same award every three years. Proposals will not be considered from individuals with delinquent reports from any previous Faculty Research Funds Awards.

The Faculty Research Funds Committee represents a broad range of disciplines from the entire University of Maine faculty. Consequently, proposals should be written for a general audience (except the Methods and Materials section, where discipline-specific details are necessary).

It is not appropriate for committee members to assist colleagues in proposal preparation and later evaluate their work; however, past recipients of awards and past committee members may serve as resource persons for your college/department/school if needed. A copy of the FY1999 Annual Report of the Faculty Research Funds Committee is available in the Offices of the Deans and in the Office of Research and Sponsored Programs. Applicants may also contact Gayle Anderson, x1498, if they would like to review successful applications kept on file in the Office of Research and Sponsored Programs.

The Committee is also announcing a deadline of March 10 for receipt of nominations for the Presidential Research & Creative Achievement Award. This award (\$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. Applicants should make sure they use this year's application packages.

Sponsored Programs

American-Scandinavian Foundation invites applications to host a visiting scholar from Norway or Sweden for one semester in AY2000-01. Eligible host departments and programs have an interest in incorporating a Scandinavian focus on contemporary public policy, conflict resolution, healthcare, environmental, or multi-cultural studies. Pre-proposals due Nov. 1.

National Academy of Education's Spencer Postdoctoral Fellowships support one year of full-time or two years of half-time research relevant to education. Eligible candidates received a doctoral degree in education, the humanities, or the social or behavioral sciences in 1994 or later. Deadline: Dec. 1.

National Science Foundation's Professional Opportunities for Women in Research and Education (POWRE) Program promotes the development of scholarly and institutional leaders. Women in all fields supported by NSF are eligible for funding of professional development opportunities beyond those available through NSF's regular grants. Deadline: Dec. 9.

Office of Naval Research's Summer and Sabbatical Leave Faculty Research Programs enable science and engineering faculty members to join professional peers at Navy laboratories in research of mutual interest. Applications for the sabbatical program should be made at

least six months before the anticipated start date. Deadline for the summer program is Jan. 14.

U.S. Information Agency supports partnerships between universities in the U.S. and their counterparts in the New Independent States of the former Soviet Union. Partners exchange faculty and administrators to pursue curriculum, faculty, and staff development in the fields of education, public administration, communications, and/or the social sciences. Maximum award: \$300,000 over three years. Deadline: Jan. 19.

John D. and Catherine T. MacArthur Foundation makes Grants for Research and Writing to analyze the causes, nature, and consequences of international conflict and cooperation, and to develop improved understandings of human security and sustainable development. Maximum award: \$75,000 for projects carried out by individuals, \$100,000 for two-person collaborations. 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

IACUC BIENNIAL TRAINING/ORIENTATION PROGRAM

The Institutional Animal Care and Use Committee's (IACUC) fall offering of its biannual 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

Dorothy Clarke Wilson is an internationally known peace maker who is committed to research and writing on social issues and world peace. To encourage today's students to share that commitment, Wilson established a \$500 annual award for the most compelling written work on the topic.

The recipient is determined by the Dorothy Clarke Wilson Peace Award Committee. All undergraduate students currently enrolled at The University of Maine are eligible for the competition. Previous winners are not eligible.

TOPIC: The committee invites participants to address the following: The UN General Assembly has declared the year 2000 as an "International Year for the Culture of Peace," and the decade of 2000-2010 as "The Decade for a Culture of Peace and Nonviolence for the Children of the World." 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.

AWARD: \$500

FORMAT: Fiction, non-fiction, drama, poetry, essay or editorial. (For manuscript specifications, contact the Wilson Center, 866-4227.)

SEND TO: The Dorothy Clarke Wilson Peace Award Committee, The Wilson Protestant Student Center, 67 College Ave., Orono, ME 04473

DEADLINE: Oct. 27.

EVALUATION CRITERIA: Both substance and structure are important; the committee is especially interested in insight, originality, thoughtfulness and quality of writing.

The winner should be able to attend the Wilson Center Annual Dinner Nov. 19 to receive the award.

What's Ahead



FALL BREAK BEGINS
October 8

SECOND ANNUAL
WILLIAM S. COHEN
LECTURE BY
SECRETARY OF STATE
MADELEINE ALBRIGHT
October 13

HOMECOMING
October 15-17

UNIVERSITY OF MAINE
OPEN HOUSE
October 18

MAINE Perspective

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

