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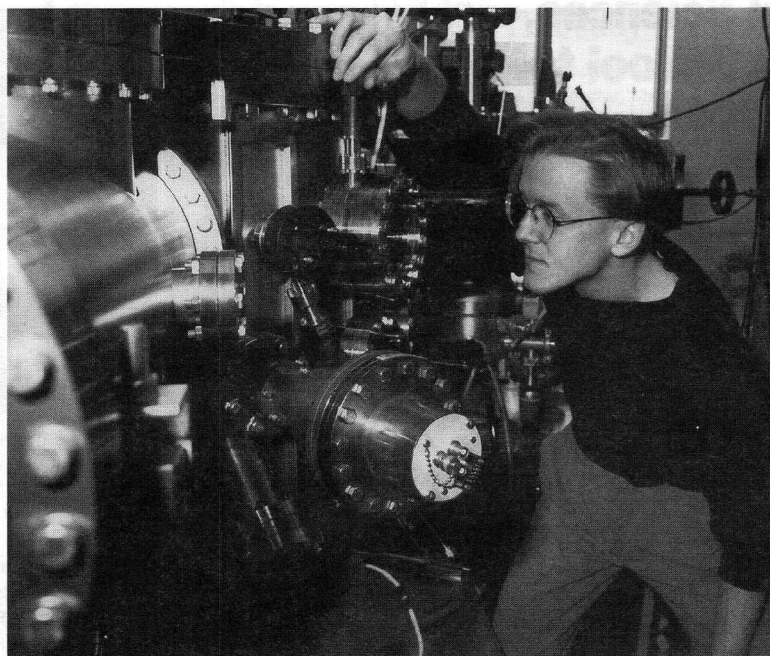
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Maine Perspective

A PUBLICATION
FOR THE
UNIVERSITY OF
MAINE

VOL. 9, NO. 15
APRIL 13, 1998



UNIVERSITY
COLLECTION

Scott Moulzolf, a Ph.D. candidate in physics, deposits a ceramic coating using the Thin Film Synthesis, Processing, and Characterization Facility in the Laboratory for Surface Science and Technology (LASST). Moulzolf, a fifth-year student from Minnesota, works with LASST Director Robert Lad.

Alumni House Will Be UMaine's Front Door

In the year 2000, the University of Maine General Alumni Association will observe its 125th anniversary, celebrating the many contributions and achievements of alumni that have shaped UMaine through the decades.

That same year, construction is expected to begin on yet another landmark gift to the University from alumni and donors – Alumni House.

"As we look around the country, more and more colleges and universities have such buildings for institutional advancement," says Jeffery Mills, president/CEO of the General Alumni Association and member of the UMaine Class of '83. "We are building on a sense of history and pride in our institution. When Alumni House is completed, it will be a place to call home."

The Alumni Association and the University of Maine Foundation have launched a \$4 million national capital campaign to build Alumni House with private funds. The campaign's theme: "A Place to Call Home." An additional \$1 million will be raised as an endowment to provide ongoing operating income for the facility.

To date, \$2.1 million has been raised in the leadership phase of the campaign. The first of the leadership gifts – \$500,000 – was donated a year ago by MBNA. In the decade that Alumni House has been in the planning stage, more than 50 UMaine classes have made leadership contributions to the campaign, led five years ago by the Class of '43 with a donation of \$115,000. The Class of 1950 has set a goal of raising \$200,000 for its 50th reunion class gift in 2000.

"The way the classes have stepped forward with donations has been inspirational," says Alumni House Campaign Director Judy Collier. "Ten years ago, this facility was a dream. Today it is a reality.

Alumni have been the ones driving this campaign. Companies like MBNA see the importance of having an alumni house. State leaders like Bangor Savings Bank President and CEO Jim Dowe (Class of '72 and chair of the campaign's Maine

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Green Endowment Aids Forestry Programs, Maine Woodlands

With one of the oldest forestry programs in the nation, the University of Maine has been instrumental in the stewardship of the state's woodlands. University research has affected the health of forests in Maine and around the world, foresters and resource management experts have been trained, and partnerships have developed with constituents ranging from woodlot owners to forest products industries.

In the last six years, that stewardship has taken on a new dimension. With the establishment of the Green Endowment of Forest Land, the College

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In Perspective

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

Liberal Arts and Sciences, Maine Business School to Offer Five-Year MBA

A new partnership between the College of Liberal Arts and Sciences and the Maine Business School will offer UMaine students the opportunity to earn a bachelor's degree in the arts and sciences, and a master's degree in business – in five years.

Starting in September, liberal arts and sciences students will have the option of taking the equivalent of a business minor and, if they qualify, pursuing an MBA during their fifth year in school.

The agreement is designed to produce graduates better prepared to compete in an increasingly interdisciplinary world.

Demand for professionals with backgrounds in the liberal arts and solid knowledge of business is projected to rise in the next few years, says Rebecca Eilers, dean of Liberal Arts and Sciences.

Career possibilities are many, she says. Graduates of the Maine Business School hold executive positions with Paramount Pictures Corp., Eastman Kodak, Motorola, Reader's Digest, and a variety of other national, international and local organizations.

"The workforce demands this type of education, and the University of Maine has been pro-active in producing a five-year program that gives students a chance for a liberal arts degree and an MBA," Eilers says. "I see this becoming very popular. It gives students a sense of direction they might not have thought of before."

Liberal arts and sciences majors always have been able to take business courses, and some have gone on to pursue MBAs. The Maine Business School has informal agreements with departments that include computer science, forestry, journalism and engineering, providing students with the option of a business minor. In addition, the Business School and College of Natural Resources, Forestry, and Agriculture provide a five-year undergraduate program in agribusiness administration.

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UMaine First in Nation with On-Line Testing Center Affiliated with Sylvan Learning

Students can now take certain national standardized exams by computer with the opening of a new on-line testing center, coordinated by the UMaine Office of Institutional Studies.

With the opening of the facility this month, the University of Maine became the first institution of higher education to have an approved testing center affiliated with Sylvan Learning Systems Inc., a national educational services company. The center will offer computerized versions of exams that include the GRE, GMAT and TOEFL.

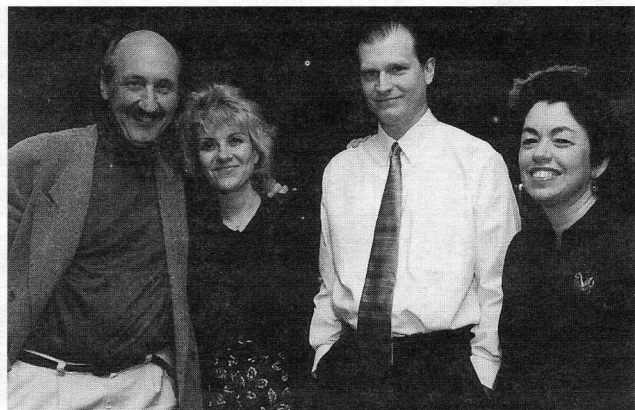
Center hours will be 8 a.m.–1 p.m., Monday to Saturday. Test dates and times must be arranged.

"The big advantage of having this center is the convenience to students in both scheduling and location," says Tom Skaggs, director of Institutional Studies. "If a student happens to miss a national testing date, they have the option of taking their exam at the center."

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Maine Perspective Publication Schedule

The last issue of *Maine Perspective* this semester is April 27 (deadline April 17).



Music legend Noel Paul Stookey, left, was on campus March 30 to lend his support to the School of Performing Arts fund-raising efforts for the new state-of-the-art Recording Studio in Minsky Recital Hall. The evening featured a live demonstration of the Studio for a small gathering of the School's contributors. While Stookey performed on stage, recording artist John Dyer, third from the left, who installed the Studio, was operating the 16-track digital recording system. Among those in the audience were School of Performing Arts Director Diane Roscetti, second from left, and College of Liberal Arts and Sciences Dean Rebecca Eilers, right. The purchase of equipment for the Recording Studio was made possible by a \$30,000 donation by the Dennis and Beau Rezendes of Chicago, and Amoco Corp.

Photo by Michael York

Student Government, Student Alumni Association Preparing for Maine Day

Wednesday, April 29, members of the University community will have the opportunity to make a difference on campus and to carry on a 53-year tradition by participating in Maine Day.

The annual spring event began in 1935 when UMaine President Arthur Hauck set aside a day for students, faculty and administrators to work together to beautify campus. The goal was for Maine Day to benefit the University and to provide out-of-class opportunities for members of the campus community.

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Maine Perspective

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UNIVERSITY OF
MAINE

UMaine Calendar

APRIL 15 - 30

All events are free and open to the public unless otherwise specified. Any speaker not otherwise identified is a member of the University of Maine faculty, staff or student body. Send notices of upcoming campus events to: *Maine Perspective* Calendar, Public Affairs. Calendar of events listings MUST be typewritten and should be sent well in advance of the publication date. For more information, call x3745.

15 Wednesday

Annual Retirement Planning Seminar for Professional Employees, offered by the University of Maine System Office, 8:30 a.m.-1 p.m., April 15, Wells Conference Center. x2366.

Spring Meeting of the Biotechnology Association of Maine, featuring an overview of UMaine research and a career fair, 9:30 a.m., April 15, Bodwell Dining Area, Maine Center for the Arts. x3218.

Intermediate Web Publishing, a Fogler Library Web Training Workshop, 9-11 a.m., April 15, Fogler Library Classroom. Registration/fee. x1675.

"Does Competition Have a Place in the Feminist Classroom?" by Christa Acampora, part of the Women in the Curriculum Luncheon series, 12:15 p.m., April 15, Bangor Lounge, Union. x1228.

"How Not to Solve the Mind-Body Problem," by Philosophy Visiting Scholar Colin McGinn, Rutgers University, offered by the Department of Philosophy, 2:10 p.m., April 15, Private Dining Room, Stewart Commons. x3866.

Baseball: UMaine vs. Husson, 4 p.m., April 15. Admission fee. xBEAR.

Take Back the Night March, part of Rape and Sexual Assault Awareness Month, 6 p.m., April 15, beginning with a rally on Fogler Library steps.

College of Natural Sciences, Forestry, and Agriculture Annual Scholarship Recognition Banquet, 6:30 p.m., April 15, Wells Conference Center.

"Product Branding," by Douglas Moore, vice president and management supervisor, Saatchi & Saatchi, and representative of the Ambassador Program of the Advertising Educational Foundation, offered by the Communication and Journalism Department, 7 p.m., April 15, 101 Neville Hall. x2330.

Film: Follow Me Home, followed by discussion led by the film's director, Peter Bratt, offered by the Office of Multicultural Student Affairs, 7 p.m., April 15, 100 Corbett Business Building. x1405.

"Solving the Philosophical Mind-Body Problem," by Philosophy Visiting Scholar Colin McGinn, Rutgers University, offered by the Department of Philosophy, 7:30 p.m., April 15, 100 Nutting Hall. x3866.

16 Thursday

"Attracting Birds to Your Garden," by Julie Markowsky, director, Maine Audubon Field's Pond Nature Center, part of the Page Farm and Home Museum Brown Bag Lunch Series, noon, April 16, Page Museum. x4100.

"Class Book Panel on Paul Hawken's The Ecology of Commerce," featuring a panel chaired by Burt Hatlen with Jonathan Carter, Maine Green Party; Judith Oakley, Lance Tapley and Peter Marecek, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., April 16, Bangor Lounge, Union. x3861.

"From Biophysics to Blood Pressure: Engineering Hemoglobin-Based O2 Delivery Pharmaceuticals," by John Olsen, professor of biochemistry and cell biology, Rice University, a Staples Seminar in Biochemistry, 3:10 p.m., April 16, 102 Murray Hall. x2821.

"Capture by Design: Tracing the Evolutionary Ecology of Silk Proteins," by Catherine Craig, Museum of Comparative Zoology, Harvard, a Wildlife Ecology Seminar, 3:30 p.m., April 16, 204 Nutting Hall. x2862.

"Roundtable on the Mind-Body Problem," with Philosophy Visiting Scholar Colin McGinn, Rutgers University, and UMaine faculty, offered by the Department of Philosophy, 4 p.m., April 16, Virtue Room, The Maples. x3866.

Phi Beta Kappa Annual Induction Ceremony, featuring an address by Phi Beta Kappa Visiting Scholar Lawrence Rosen, professor of anthropology, Princeton University: "Never in Doubt: Salman Rushdie's Deeper Challenge to Islam," 4 p.m. April 16, Bodwell Area, Maine Center for the Arts. Reception follows. Open to all members of the community and area Phi Beta Kappa members. x1920.

Advanced Searching, a Fogler Library Internet Workshop, 6-8 p.m., April 16, Fogler Computer Classroom. Preregistration. x1675.

Poetry Reading, featuring the nine winners of the University Bookstore Poetry Contest for area middle school children; readings by the three winners of the Penobscot Watershed Poetry Contest; and readings by Maine poets Baron Wormser, Constance Hunting, Jennifer Pixley and others, in celebration of National Poetry Month, 7 p.m., April 16, Bookstore. x1700.

Power, part of the Peace and Justice Film Series, 7 p.m., April 16, 100 Corbett Business Building.

Thursday Night at the Bear's Den with Hit Me, offered by the Union Board, 9 p.m., April 16, Union. x1734.

17 Friday

Performance by Les Trois Etoiles, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., April 17, Damn Yankee. x1734.

"Relationship Between Language and Fluency in Preschool Children," by Sue Burgess, a Department of Communication Disorders Colloquium, 12:30 p.m., April 17, 355 Stevens Hall. x2006.

"Assessing Top-Down and Bottom-Up Influences in Headwater Streams: Manipulative Approaches," by Bruce Wallace, University of Georgia, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., April 17, 102 Murray Hall. x3236.

"Northwest by Southwest: Native American Arts Since 1960," by Jackson Rushing, Department of Art, University of Missouri-St. Louis, offered by the Hudson Museum, 3:30 p.m., April 17, Bodwell Area, Maine Center for the Arts. x1901.

"Our Place in Space," a Jordan Planetarium program, 7 p.m., April 17, Wingate Hall. Admission fee. x1341.

Faculty Recital - Francis Vogt and Ginger Yang Hwalek, part of the School of Performing Arts season, 7:30 p.m., April 17, Minsky Recital Hall. Admission fee. x1755.

18 Saturday

Softball: UMaine vs. University of Hartford, 11 a.m., April 18. Admission fee. xBEAR.

Baseball: UMaine vs. University of Hartford, noon, April 18. Admission fee. xBEAR.

HEALTH IN OUR HANDS

A keynote address by Associate Professor of Family Relations Sandy Caron and presentation of a national lifetime achievement award by U.S. Rep. John Baldacci will highlight a daylong women's conference on Saturday, April 18.

The conference, "Health in Our Hands," offered by the Mabel Wadsworth Women's Health Center, will be in the Corbett Business Building. The morning includes the keynote, "Having a Public Discussion about Private Parts," and the presentation of a Lifetime Achievement Recognition Award to Mabel Wadsworth. The afternoon features workshops.

On-site registration is \$30; \$10 for students. For more information, call 947-5337.

Animation Film Series: *Escaflowne* 8-18, 1-6 p.m., April 18, 100 Corbett Business Building. x1734.

Spruce Run 25th Anniversary Concert featuring Toshi Reagon with Big Lovely, 7 p.m., April 18, Hutchins Concert Hall. Admission fee. x1755.

Latino Heritage Celebration, offered by Los Colores Unidos, 7 p.m., social and opening speakers; 8 p.m., dinner; 8:30 p.m., poetry reading

and performances; 10 p.m., La Fiesta, April 18, Wells Conference Center. Admission/reservations. x6552.

19 Sunday

Softball: UMaine vs. Hartford, 11 a.m., April 19. Admission fee. xBEAR.

Maine Scholars Reception, April 19.

Baseball: UMaine vs. Hartford, noon, April 19. Admission fee. xBEAR.

20 Monday

The UMaine Experience Showcase, coordinated by Admissions, April 20.

"Exploring Discrimination Against People with Disabilities at UMaine," by Ann Smith, part of "Confronting

Intolerance: How Do We Move from Oppression to Compassionate Justice?" offered by the Office of Multicultural Student Affairs and Peace Studies, 12:15 p.m., April 20, Bangor Lounge, Union. x1405.

Earth Week Lecture by Paul Watson, co-founder of Greenpeace, 7:30 p.m., April 20, 101 Neville Hall.

"Same-Sex Marriage: A Civil Right," by Craig Dean, executive director of the Marriage Rights Fund, part of Pride Month: Educating about Gay, Lesbian, and Bisexual Issues, 8 p.m., April 20, 100 Corbett Business Building.

Ongoing Events

Entertainment

Reckless, part of the School of Performing Arts season, 7:30 p.m., April 16-18; 2 p.m., April 18-19, Cyrus Pavilion. Admission fee. x1755.

Bumstock Weekend, featuring music and more, offered by the Off Campus Board, 4-10 p.m., April 17; 10 a.m.-11 p.m., April 18, Hilltop Concert Field. x1840.

Robinson Ballet Unplugged, a dance performance, 8 p.m., April 24-25, Hauck Auditorium. Admission fee. 942-1990.

Grease! part of the Maine Center for the Arts performance season, 7 p.m., May 4-5, Hutchins Concert Hall. Admission fee. x1755.

Cirque Eloize, part of the Maine Center for the Arts performance season, 7 p.m., May 16; 3 p.m., May 17, Hutchins Concert Hall. Admission fee. x1755.

Exhibits/Demonstrations/Tours

Empires Emerging: Collecting the Peruvian Past, a Hudson Museum exhibit, through April 26, Maine Center for the Arts. x1901.

Department of Art Juried Student Exhibition, a Museum of Art exhibit, through May 1, Carnegie Hall. x3255.

Brilliantly Beaded: Northeastern Native American Beadwork, a Hudson Museum exhibit, May 12-Sept. 6, Maine Center for the Arts. x1901.

Selections from the Carr Collection: Prints from the 1980s, a Museum of Art exhibit, May 15-July 3, 1938 Gallery, Carnegie Hall. x3255.

Chenoweth Hall: Watercolors from the 1950s, a Museum of Art exhibit, May 15-July 3, 1938 Gallery, Carnegie Hall. x3255.

India: Photography by Barbara Goodbody, a Hudson Museum exhibit, through Aug. 8, Maine Center for the Arts. x1901.

Maine Forest and Logging Museum - Leonard's Mills, open daily 10 a.m.-dark, Bradley. x2871.

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

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

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

Meetings of Groups/Organizations

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

International Folk Dancing, every Sunday, 7-9 p.m., beginners welcome, no partner needed, FFA Room, Union. 827-2324.

Off Campus Board Meeting, every Monday, 4 p.m., Bangor Lounge, Union.

Maine Peace Action Committee Meeting, every Tuesday, 8 a.m., Weisz Room, Maples. x3860.

Student Women's Association, 6-7:30 p.m., every Tuesday; 3:30-5 p.m., every Wednesday, Women's Resource Center, Fernald Hall. x1508.

Student Alumni Association meets every Wednesday, 5:30 p.m., Crossland Alumni Center.

Acoustic Jam, 6 p.m., every Wednesday, Lown Room, Union.

SHAC (Student Heritage Alliance Center) meets every Wednesday, 7 p.m., basement of Cumberland Hall. x6656.

Nontraditional Student/Commuter Social Hour, every Thursday, 11:30 a.m., Commuter Lounge, Union.

Networking Women at UMaine, noon-1 p.m., every other Friday, Women's Resource Center, Fernald Hall. x1508.

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

Newman Center: Sunday masses, 10:30 a.m. and 6:15 p.m.; weekday liturgies, 4:45 p.m., with communion service Monday-Tuesday, mass Wednesday-Thursday.

WORKS BY UMAINE ARTISTS ON EXHIBIT

Two shows at the Clark House Gallery in Bangor feature works by UMaine artists.

Small Works: Clark House Gallery Artists is a continuous exhibit of small works with rotating pieces by 14 Gallery artists, including four faculty members in the Art Department: Jim Linehan, Mike Lewis, Nina Jerome and Siri Beckman.

The other show, *Coastal Maine Oils & Encaustics: James Linehan*, will remain at Clark House Gallery through May.

Clark House Gallery is located at 128 Hammond St., Bangor. Hours: Monday-Friday, 11 a.m.-5 p.m.; Saturday 11 a.m.-4 p.m.

21 Tuesday

"Mechanistic Studies of the Reactions of Nitric Oxide. Photochemical Strategies for NO Delivery to Biological Targets," by Peter Ford, Department of Chemistry, University of California at Santa Barbara, part of the Department of Chemistry Seminar Series, 11 a.m., April 21, 316 Aubert Hall. x1178.

"Being Gay on Campus," a panel discussion, part of Pride Month: Educating about Gay, Lesbian, and Bisexual Issues, 12:15 p.m., April 21, Totman Lounge, Union.

Performance by the Comedian Carrot Top, 7 p.m., April 21, Hutchins Concert Hall. Admission fee. x1755.

University of Maine Percussion Ensemble Concert - Spring, directed by Stuart Marrs, part of the School of Performing Arts season, 7:30 p.m., April 21, Minsky Hall. Admission fee. x1755.

22 Wednesday

Trailwork Fair, featuring information for volunteers interested in future trail clean-up and development projects, part of Earth Day, 9 a.m.-4 p.m., April 22, Union. x1681.

Environmental Resources on the Web, a Fogler Library Internet Workshop, part of Earth Day, 10 a.m.-noon, April 22, Fogler Computer Classroom. Free to University faculty, staff and students. Preregistration. x1675.

"No One Can Deny Us': Black Women Activists Put South African Women on the Agenda," by Leslie Hill, assistant professor of political science, women's studies and African American studies, Bates College, part of the Women in the Curriculum Luncheon series,

12:15 p.m., April 22, Bangor Lounge, Union. x1228.

Faculty Senate Meeting, 3 p.m., April 22, Dexter Lounge. x1167.

Strawberries and Chocolate, part of the Not at the Mall Series, 6:30 p.m. and 9 p.m., April 22, 100 Corbett Business Building. Admission fee. x1734.

Earth Day Movies and Discussion, *Turtleworld* and *Last Show on Earth*, 7 p.m., April 22, 100 Neville Hall.

23 Thursday

Take Our Daughters to Work Day, April 23.

University Bookstore Patio Sale, 9 a.m.-3 p.m., April 23, Union.

A Day at the Theater, a Hudson Museum "Just for Kids" program, 10 a.m., April 23, Maine Center for the Arts. Registration fee. x1901.

"Seeds for Change: Community Conservation Initiatives in KwaZulu/Natal, South Africa," by Curtice Griffin, Department of Forestry and Wildlife, University of Massachusetts - Amherst, a Wildlife Ecology Seminar, 3:30 p.m., April 23, 204 Nutting Hall. x2862.

UMaine Jazz Ensemble Concert - Spring, directed by Karel Lidral, part of the School of Performing Arts season, 7:30 p.m., April 23, Minsky Hall. Admission fee. x1755.

Performance by Victory Gin, offered by the Off Campus Board, 9 p.m., April 23, Bear's Den. x1840.

24 Friday

"The Origins of Agriculture in the Near East - The Role of Climate, Vegetation and Social Organization," by Ofer Bar-Yosef, Harvard University, an Institute for Quaternary Studies and Anthropology Department seminar, 11 a.m., April 24, 100 Global Sciences Center. x2167.

Performance by the UMaine Jazz Ensemble, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., April 24, Damn Yankee.

Softball: UMaine vs. Towson University, 2 p.m., April 24. Admission fee. xBEAR.

"Deep Sea Cold-Seep and Hydrothermal Vent Symbioses: Similar Communities with Very Different Physiological Ecologies," by Charles Fisher, Penn State, part of the Department of Biological Sciences Seminar Series,

AAUW USED BOOK SALE APRIL 25

The 47th annual Used Book Sale of the Orono-Old Town AAUW will be held Saturday, April 25, 9 a.m.-3 p.m., at the Church of Universal Fellowship, Orono. Janet Givens, Imogene Brightman and Janice Osgood chair this year's event. Donations of all kinds of books and magazines are always welcome. These may be left at the Orono Public Library or at the Church the Wednesday or Thursday before the sale.

3:10 p.m., April 24, 102 Murray Hall. x3236.

Animation Film Series: Here Is Greenwood 1-4 and Escaflowne 19-22, 6:30 p.m. and 9 p.m., April 24, 100 Corbett Business Building.

Dance-a-Thon, offered by GSS, 8 p.m., April 24, Lengyel Gym. Admission fee. x1734.

Drag Show and Dance, part of Pride Month: Educating about Gay, Lesbian, and Bisexual Issues, 9 p.m., April 24, Damn Yankee, Union. Admission fee.

25 Saturday

Peter and the Wolf in the Big Apple, by the Robinson Ballet, 2 p.m., April 25, Hauck Auditorium. Admission fee. 942-1990.

Bangor Symphony Orchestra Family Casual Concert, 7 p.m., April 25, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. Concert preview by Dave Klocko, 6:15 p.m., Minsky Recital Hall. 942-5555.

Earth Week Candlelight Celebration, 8 p.m., April 25, Ornamental Garden.

26 Sunday

Softball: UMaine vs. University of Delaware, 11 a.m., April 26. Admission fee. xBEAR.

Performance of Brahms' German Requiem, by the Bangor Symphony Orchestra with the University Singers and Oratorio Society, 3 p.m., April 26, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. Concert preview by Dave Klocko, 2 p.m., Bodwell Area. 942-5555.

From Bulgaria to Maine

Jeni Maneva, graduate student in piano performance, will present her graduate recital Sunday, April 26 at 5 p.m. in Minsky Recital Hall.

Maneva, a student of Professor Baycka Voronietzky, is a native of Plovdiv, Bulgaria, and chose the University of Maine for further study.

Among the works on Maneva's recital program are: Bach's *Prelude and Fugue in D Major* from *The Well Tempered Clavier II*; Schubert's *Sonata, op. 143 in A minor*; and Kurkchilsky's variations on *Todora Has Lain Down*, a Bulgarian folk song.

Maneva is the recent graduate student winner of the School of Performing Arts annual Concerto Competition.

Graduate Piano Recital by Jeni Maneva, 5 p.m., April 26, Minsky Recital Hall.

27 Monday

Job Fair for Students Interested in Working with Children and Families, part of Child Abuse and Neglect Prevention Awareness Week, 9 a.m.-1 p.m., April 27, North Lown Room and FFA Room, Union. x2378.

Academic Honors Convocation, 3:30 p.m., April 27, Hauck Auditorium.

College of Education and Human Development Spring Senior Project Poster Session, 4-6 p.m., April 27, Shibbes Hall.

28 Tuesday

"Exploring the Periodic Table with Modern Analytical Methods," by Peter Uden, Department of Chemistry, University of Massachusetts at Amherst, part of the Department of Chemistry Seminar Series, 11 a.m., April 28, 316 Aubert Hall. x1178.

"The Education and Status of Women at the University of Maine: 1972, 1987 and Today," by members and observers of two task forces and the President's Council on Women, part of the Women in the Curriculum Luncheon series, 12:15 p.m., April 28, Bangor Lounge, Union. x1228.

Collegiate Chorale and Athena Consort Spring Concert, directed by Christopher Peterson, part of the School of Performing Arts season, 7:30 p.m., April 28, Minsky Hall. Admission fee. x1755.

Stephen King Movie Marathon, offered by Student Alumni Association, at dark, April 28, Lord Hall parking lot (tentative). x1142.

29 Wednesday

Maine Day, April 29.

Advanced Web Publishing, a Fogler Library Web Training Workshop, 9-11 a.m., April 29, Fogler Library Classroom. Registration/fee. x1675.

"The Education and Status of Women at the University of Maine: 1972, 1987 and Today," part of the Women in the Curriculum Lunch Series, 12:15 p.m., April 29, Bangor Lounge, Union. x1228.

Film: Love! Valour! Compassion! part of Pride Month: Educating about Gay, Lesbian, and Bisexual Issues, 6:30 p.m. and 9 p.m., April 29, 100 Corbett Business Building. Donation requested.

30 Thursday

"Child Welfare Issues in the 21st Century," a panel discussion, part of Child Abuse and Neglect Prevention Awareness Week, offered by the School of Social Work, noon, April 30, Bangor Lounge, Union. x2378.

Celebration and Farewell

to Vice President John Halstead and his family for their years of contributions to the University of Maine and local community. A farewell reception is planned for 2:30-4 p.m., Thursday, April 30, Bodwell Dining Area, Maine Center for the Arts.

"Edges, Openings and Bird Habitat on the Green Mountain National Forest," by David Capen, Wildlife and Fisheries Biology Program, School of Natural Resources, University of Vermont, a Wildlife Ecology Seminar, 3:30 p.m., April 30, 204 Nutting Hall. x2862.

Baseball: UMaine vs. Colby College, 5 p.m., April 30. Admission fee. xBEAR.

A Poetry Reading by 1996 Pulitzer Prize-Winning Poet Jorie Graham, offered by the English Department, 7:30 p.m., April 30, Minsky Recital Hall.

Thursday Night at the Bear's Den featuring Karaoke, offered by the Union Board, 9 p.m., April 30, Union. x1734.

People in Perspective

The signs of spring are everywhere. Flowers blooming. Birds chirping. And more cars parking illegally on campus than at any other time of the year.

"As the weather improves, more people are inclined to park illegally," says Public Safety Parking Coordinator Eleanor Miller. "There always has been ample parking. The problem is no one wants to walk."

"One of the most amusing sights is to see people parking as close as they can to the gym for their workouts."

For the past eight years, Miller has been coordinating the University's system of parking lots on campus. It is a job that puts her and the Parking Office staff in touch with every member of the University community and its visitors at least once every academic year.

It's traditionally those times when people have to interact with the Parking Office on more than one occasion that even the best diplomatic dialogue can feel the strain.

"The hardest part is dealing with the anger of people who are ticketed," says Miller. "That includes people who are not members of the campus community who argue they have a right to park on our lawns because they are Maine taxpayers."

"People need to remember that, if not for parking rules and regulations, it would be difficult for any of us to get to our destinations on campus," says Miller. "Even though this is a little town in the center of Maine when school is in session, it brings a whole lot more people to campus and requires some need for organization."

Miller joined the University community in 1978, working first for Fogler Library. At that time, Fogler was in the process of shifting from the Dewey Decimal classification to the Library of Congress system. Miller worked in the library for eight years, and was head of Fogler's Photocopy Department when she took a position in University College's library.

In 1990, Miller joined the staff at Public Safety as parking coordinator.

Miller has spent a lifetime associated with law enforcement. Her father was a Bangor police officer for more than three decades. For years, she was married to a police officer. Today, her son is in law enforcement in Maine.

"Law enforcement is the life I know," she says. "My father didn't bring his work home, but I remember that he had a lot of respect from people in the community."

Her beliefs in the importance of enforcement, coupled with a sense of community, are the hallmarks of Miller's eight years as UMaine parking coordinator.

The role of the parking coordinator is to "listen to complaints and make recommendations about parking on campus to Public Safety's Traffic Committee," says Miller, describing her job. "Then there are the decals to design and order, and tickets to manage."

In a calendar year, the Parking Office issues an average of 30,000 tickets for campus parking violations. The process has been revolutionized by the introduction of an electronic Parking Office Management System (POMS). The handheld mini-computers provide officers in the field the ability to access and report information on violating vehicles.

Back in the Parking Office, the automated system has eliminated hours of data entry and paper trails.

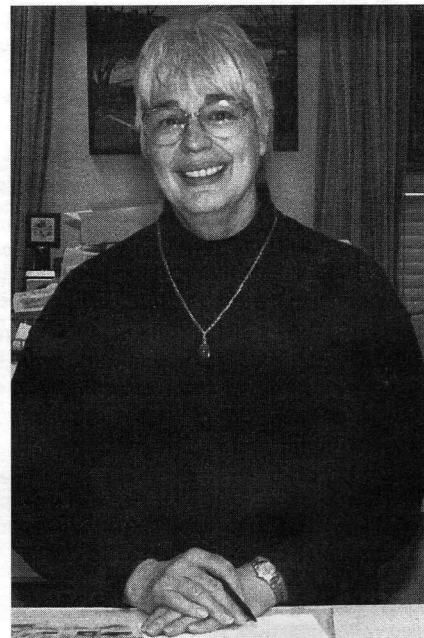
"POMS gives us more credibility and a greater handle on parking management," says Miller. "It also helps us bill more accurately."

Fees from tickets become part of the University's general revenue account. Decal fees are earmarked for campus improvements in lighting, sidewalks and parking lots.

Not every ticket results in a fee. As in the case of a campus visitor who feels wrongly fined, Miller may reduce the ticket to a warning, with the stipulation that future parking must be legal. Other vehicle owners who receive tickets that cannot be resolved by talking to Miller have the option of taking their dispute to the Parking Ticket Appeals Board, a faculty, staff and student group that meets once a month.

"People have often asked why I have stayed in a job like this," says Miller, who is retiring from UMaine in July. "I had set a goal of completing 20 years at the University. And there are aspects of it that I will miss, including people in the University community."

"What I like most are the student employees," says Miller, who supervises a student workforce of five each semester. "I like their youth and the excitement of having their whole lives ahead of them. In many cases, I've watched them grow during their years at the University. We even had two who met here as student employees, got married and now have two children of their own."



Eleanor Miller

Photo by Kathryn Rice

Improvements in campus parking in recent years have included the new system of purchasing decals by mail. Initiated two years ago for University employees, it may one day become an option for students. In addition, the number of different decals on campus has been reduced to minimize confusion.

"We've tried hardest to get across to drivers on campus the implications of the Americans with Disabilities Act," says Miller. "We distributed 20,000 copies of a brochure explaining handicapped parking and egress stripes. One of the most difficult issues for me is dealing with people who park on the egress stripes and don't understand how they are prohibiting access. It is the same as when people block fire lanes, endangering people."

"At any time there are a couple hundred parking spaces in the Steam Plant lot and behind Alfond," says Miller. "That wasn't the case when I came here."

In recent years, more campus planning has included discussion of creating a more pedestrian campus. In such a setting, all drivers on campus would have specific expectations about what outlying parking lots to use. The few remaining parking spaces on the interior of campus would be reserved for persons with disabilities and service personnel.

"As a pedestrian campus, people would plan to park accordingly, allowing enough time to get where they're going," she says. "And we will be seeing fewer parking violations."

Center Stage

School of Performing Arts

Reckless on Stage

To produce the contemporary play *Reckless*, by Craig Lucas, University of Maine theatre students established their own production company and raised the money to finance, produce, and direct the two-act play. Forty students are involved in the overall production as producers, promotion-



Among the cast on stage for *Reckless* will be, left to right, Chris Ashmore, Michelle McCue, Timothy Simons, Kristen Williams (seated), "Santa Claus" and Michelle McCann. Photo by Monty Rand

director, actors, stage crew, lighting and sound crews.

"It's been a tremendous opportunity for all of us," says Claude Giroux, theatre graduate student and publicity director for the performance. "We started raising money last fall for this show. Being responsible for everything, every aspect of production, has given us real insight into what is required to create theatre – whether on a campus or in the community."

Reckless, written in the tradition of the theatre of the absurd, opens Thursday, April 16, and runs through Saturday, April 18, at 7:30 p.m. in the Cyrus Pavilion Theatre. Two matinee performances will be presented at 2 p.m., Saturday, April 18-19.

Reckless is the thesis production of director Christopher Snipe, who is co-producing the play with UMaine junior Eric Milligan.

The complex, revolving set is designed by senior James Beer; costumes are by graduate student James Day. Beer and Day are the New England regional winners of the American College Theatre Festival's annual design competition. They attend the Kennedy Center-American College Theatre Festival's national competitions in May.

Reckless, first produced in 1988, places a young woman, who is both wife and mother, in a series of absurd, yet grotesquely familiar, situations. The playwright, through a liberal use of black comedy, sends her into a world populated by people who live on the edge.

"Craig Lucas makes us question reality – not just of the characters in the script but the reality of life," says Snipe.

"As a doctor in the play says: 'Life's been reckless with these people.'"

Rhythms of Africa

African drums and drumming techniques will be featured Tuesday, April 21 at 7:30 p.m., when the Percussion Ensemble presents its annual spring concert in Minsky Recital Hall.

The nine-member ensemble, conducted by Christopher White, concert and sports band director, opens the program with *African Welcome Piece* by Michael Udow. The work features traditional African rhythms played on Western instruments.

A performance of traditional African drumming, under the direction of Troy Jordon, systems and network manager, is the centerpiece of the concert. Jordon, who has worked with the ensemble on African drumming techniques, studied with African Master Drummer Godwin Agbeli at Tufts University. Leonard Gadzekpo, assistant professor of art and interdisciplinary studies,

has joined Jordon in teaching drumming techniques. Gadzekpo also studied with Agbeli in Ghana, homeland to both men.

Senior percussion performance major Chris Andrews will conduct the ensemble in *Sonatina for Percussion* by composer Fisher Tull. Other percussion works on the program include *Prelude* by Leonard Stanley, composed for a marimba quartet, and *Western Sketches* by Robert Kreutz, composed for a marimba trio. The concert closes with Christopher Rouse's *Ogoun Badagris*, a composition based on Haitian drumming patterns and voodoo rituals.

UMaine's Jazz Ensemble and Jazz Combo Swing into Spring

Great jazz standards and contemporary works by today's artists are featured when the Jazz Ensemble and Jazz Combo perform their spring concert Thursday, April 23 at 7:30 p.m., Minsky Recital Hall. From Billy Strayhorn's *Chelsea Bridge* to Mike Tomaro's *Conspiracy Theory*, from John Coltrane's *Impressions* to John Fedchock's *On the Edge*, the Hall will swing.

Soloing with the Jazz Ensemble and Jazz Combo are students Darryl Blease and Bryan Cook on drums; Dan Cashman on bass; Aaron Herme and Jessica La Page on piano; and Dan Labonte on trombone.

Also soloing are: Chris Malm and Jennifer Ouellette on trumpet; Eric Nelson and Chris Werle on trombone; Keith Orlando on tenor sax; and Mike Scarpone on saxophone.

Both the Jazz Ensemble and the Jazz Combo will give a runout performance at Falmouth High School April 15. The Jazz Ensemble will close out its season with two final engagements April 24. At noon, the group will perform as part of the TGIF series in the Union. That evening the Ensemble will be heard live on Maine Public Radio's "Riffs and Rhythms" with host Rich Tozier, 9-10:30 p.m.

Karel Lidral, director of jazz studies and associate professor of music, conducts the Jazz Ensemble and Combo.

Collegiate Chorale and Athena Consort In Concert

The 90-voice Collegiate Chorale, under the direction of Christopher Peterson, graduate assistant in the School of Performing Arts, and the 15-voice Athena Consort, under the direction of Francis Vogt, instructor in the music division of the School of Performing Arts, present their spring concert Tuesday, April 28 at 7:30 p.m., Minsky Recital Hall.

The Collegiate Chorale is composed of students from across campus who love to sing. It is a non-auditioned chorus featuring music that appeals to a wide audience. This year's program includes the familiar *He, Watching Over Israel* by Felix Mendelssohn, an arrangement of *I Love My Love*, by Gustav Holst, and the popular *Didn't My Lord Deliver Daniel*, arranged by Ralph Hunter. *A Charm Invests a Face*, composed by Beth Wiemann, assistant professor of music, will be featured. Shannon Chase is assistant director and Beth Clark accompanist.

Music composed or arranged for women's voices is the province of the Athena Consort. The concert features songs of spring by composers who span the history of music: *Ordo Virtutum* (excerpt) by Hildegard von Bingen and *Ave Maria*. The Consort closes its portion of the program with *But Not For Me*, by American composer George Gershwin. Laura Boyden is accompanist; Kirk Taylor percussionist.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

The Mediterranean Diet

During a 1995-96 sabbatical and extended professional work last year in Greece, Dorothy Klimis, associate professor of clinical nutrition, helped to develop a dietetics curriculum and nutrition-related research programs at the newly established Harokopio University for Nutritional Sciences and Dietetics in Athens.

She also continued her research into blood lipids and gender differences as related to cardiovascular disease (CVD). At present, she is developing a new project on teen health with researchers at Harokopio and UMaine.

With support from a \$100,000 grant at Harokopio from the Greek Ministry of Education and Religion, she is planning a pilot project to assess the nutritional status of Greek teenagers. The full study will eventually involve up to 4,000 teenagers in the Athens area in an effort to understand the relationship between food habits and obesity, eating disorders, cardiovascular disease and other health problems.

"The Greek population provides an important model for studies of diet and health because conditions are changing so fast," says Klimis. "Rates of cardiovascular disease and cancer in Greece used to be among the lowest in the Western world, but now they are increasing, especially in urban areas. In terms of cancer and cardiovascular disease, Greeks are about where the U.S. was in the 1970s."

The teen pilot study will involve UMaine students and faculty, including Adrienne White, Richard Cook and Rodney Bushway in the food science and human nutrition, and Howard Patterson in chemistry.

As a visiting professor at Harokopio University in Athens last spring, Klimis was also instrumental in reorganizing nutrition education programs.

Two of its upcoming graduates are applying to UMaine to pursue graduate studies in nutrition. In addition, two UMaine undergraduates in the department are working with Klimis on possibly studying at Harokopio.

Interdisciplinary Research

UMaine's Department of Chemistry has a tradition of focusing on basic science as well as practical problems. Its newest faculty member, Touradj Solouki, continues that dual mission by breaking new ground with sophisticated analytical technology and working to improve the safety of Maine workers.

In the latter effort, he is working with Victoria Justus, director of UMaine's Office of Environmental Health and Safety; Raymond Fort, professor of chemistry; and Marquita Hill, cooperating research professor of chemical engineering. Supported by the Maine Bureau of Labor Standards, this team will conduct a 10-week course next fall to train Maine workers in handling hazardous materials.

Solouki has always applied his skills to practical tasks. During graduate studies at Texas A&M, he worked in a dairy to assure the quality of the milk supply and in a brass plating company to manage wastewater treatment. One of his specialties is an analytical technique known as Fourier Transform Ion Cyclotron Resonance (FT-ICR) Mass Spectrometry.

"This is a technique in which you can tell the difference between two molecules even if they are in a complex mixture. The accuracy is the highest of all mass spectroscopy techniques," he explains.

At the National High Magnetic Field Laboratory in Florida, he utilized FT-ICR to characterize biological samples and analyze environmental samples such as sediment in the Suwannee River. At the Illinois Institute of Technology Research Institute in Chicago, he worked on several projects that involved analysis and detection of banned substances to improve public safety.

Solouki's research focuses on reducing detection limits for environmental toxins using various spectral techniques. In addition to his work in Aubert Hall, he uses the recently established mass spectrometry lab in the Water Research Institute and is a cooperating scientist in the Laboratory for Surface Science and Technology.

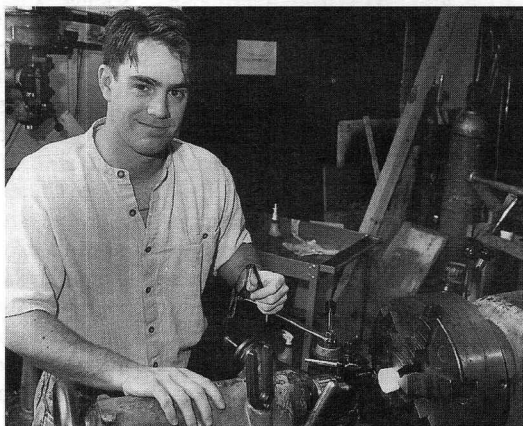
Quimby Graduate Student Makes Waves in Sensor Research

Josh Caron likes being a pioneer and living on the edge, whether it's the front line of research or the edge of a diving board.

As an undergraduate, he was a diver on the UMaine swim team. In the last year, the 25-year-old Quimby native and Ph.D. candidate in UMaine's Department of Electrical and Computer Engineering has earned a name in sensor research by pushing the limits of this young field and helping to bring home more than \$4.5 million in research grants to his employer, Sensor Research and Development Corp. (SRD) of Orono.

Even when he came to UMaine in 1990, Caron wanted to focus on emerging technology. Robotics and computers had his attention then, at least until he got the sensor bug and he became one of the early graduates of the department's sensor concentration.

John Vetelino, professor of electrical and computer engineering, knew Caron as an undergraduate. He encouraged Josh to take advantage of the department's summer research program funded



Josh Caron

by the National Science Foundation. "It wasn't long before I realized that I was dealing with an extremely bright kid. He caught on to ideas very quickly. He was always one or two steps ahead of the other students," says Vetelino.

"When I showed up for my first tour of the Laboratory for Surface Science and Technology (LASST), my jaw dropped open," says Caron. "I thought this was amazing. I had no idea we had this kind of equipment on campus. After that, I knew I'd love to work there."

Any given day, Caron may be troubleshooting designs for electrical circuits, building a device to generate precise amounts of a gas or grinding grooves in

a piece of slippery Teflon at LASST.

"One of the big challenges in this area is that so little work has been done. It's not like I can look at an analogous sensor and say, 'oh, this is what they did.' And even if someone did do something similar, it probably isn't even published," he says.

continued on page 10

Graduate Students at the University of Maine

The Association of Graduate Students has announced its spring research and travel grant awards. This semester, 74 graduate students in 23 academic departments received grants up to \$500 each. The grants are dedicated for the purchase of research equipment and supplies, or travel expenses to conduct research or to attend a conference. This semester's \$22,000 grant budget allowed applicants to receive 79 percent of the amount they requested. Below are featured six of the graduate students who received top awards from AGS. Their profiles highlight the outstanding caliber of scholarship and research by UMaine graduate students – cutting-edge science that has implications for the state and the world.

Pictured at left are Yuhui Qian (front), Dave Sinson and Suzanne Dwyer (second row), Melissa Kelley and Lynn Atkins (third row). Not pictured is April Erwin.

Yuhui Qian is an international student from China. Qian received a master's degree in chemical engineering from Nanjing Forestry University, China, 1994. Two years later, he began his M.S. in the Wood Science and Technology Program, Department of Forest Management, under the direction of Barry Goodell. He has taken part in several research projects related to wood biodegradation mechanisms and the application of these systems (biotechnology) to the pulp and paper industry. His thesis work specifically focuses on the application of the bio-mimetic system in the recycling of mixed office waste (laser printed and Xerox copied paper), so as to improve the efficiency of the deinking process, as well as to reduce the consumption of hazardous chemicals. It is the excellent academic environment in forest research, as well as the beautiful nature in Maine, that attracted him to the University.

California native **Melissa Kelley** received a bachelor's degree in aquatic biology from the University of California – Santa Barbara in 1995, and is now pursuing a Ph.D. in biochemistry. Working in collaboration with Associate Professor of Biochemistry/SMS Rebecca Van Beneden, Kelley is researching the problems caused by toxicants in the aquatic environment, and in particular, what happens to organisms at the molecular level when exposed to these substances. She is investigating mechanisms of tumor development in clams from certain areas in Maine, hoping to determine if there is a correlation to dioxin exposure. In order to get at the etiology of clam tumors, Kelley is attempting to clone a protein gene, which is thought to be responsible for targeted-protein degradation. UMaine has allowed her to combine her molecular biology interests to address an environmentally relevant toxicology problem that impacts aquatic invertebrates.

Dave Sinson of West Chester, Penn., received a bachelor's degree in geology from West Chester University in 1989. He is now pursuing a master's degree, focusing on coastal and marine geology. Sinson works in collaboration with Daniel Belknap, professor of geological sciences and marine studies, and Joseph Kelley, adjunct professor of geological sciences and oceanography, to unravel the geologic evolution of Maine's coastline. Their research focuses on gaining a better understanding of past and present processes that create coastal environments. The AGS grant funds research in Penobscot Bay, where Sinson will collect sediment samples from the seafloor. Sediment analyses will be used to determine sources and describe processes of the modern system. Results will identify marine benthic habitats in conjunction with an ecosystems study of Penobscot Bay. Sinson chose UMaine for academic pursuits because he wants to contribute to the research directions of Belknap and Kelley.

Suzanne Dwyer of Sydney, Nova Scotia, is in the fourth year of a Ph.D. program in experimental psychology. Dwyer completed her undergraduate work in biology and psychology at Saint Mary's University in Halifax. At UMaine, her research involves behavioral and pharmacological studies of circadian biological rhythms in rats and hamsters. Working in the laboratory of Associate Professor of Psychology Alan Rosenwasser, Dwyer is studying the relationship between circadian rhythm dysregulation and depression. Currently, she and Rosenwasser are investigating the effects of several monoaminergic drug treatments in the neonatal period or in adulthood on circadian parameters. With an AGS Travel Grant, Dwyer will present her research from a recent series of studies to the international meeting of the Society for Research on Biological Rhythms in Florida this May.

April Erwin of Huntsville, Ala., received a bachelor's degree in psychology from Auburn University and is now pursuing a Ph.D. in developmental/clinical psychology at UMaine. Working in collaboration with Assistant Professor of Psychology Janice Zeman, Erwin is researching how a child's ability to regulate his or her emotions relates to adaptive interpersonal functioning and psychological health. With AGS funding, Erwin has travelled to the Biennial Conference on Human Development to present a poster, "Validation of the Emotion Dysregulation Scale for Children." The primary goal of this study was to develop, validate and establish the psychometric properties of the Emotion Dysregulation Scale (EDS) for children. With a lack of measures to assess emotion regulation skills in children, the EDS could help identify youngsters with deficient emotion regulation skills – children at risk for compromised psychological health.

Lynn Atkins of Jackson, N.J., received a bachelor's degree at Gettysburg College and is now pursuing a master's degree in biological sciences. Currently, she is researching roosting preference and fidelity in the little brown bat *Myotis lucifugus*. The hope is that her study will further evolve into research on roosting behavior and mother-offspring interactions. Atkins works in collaboration with William Glanz, associate professor of zoology. She was attracted to UMaine by the opportunity to do behavioral research with Glanz. The AGS grant money will fund the purchase of four additional radio transmitters to be attached to reproductive bats. These bats will then be radio tracked to their roosting site, where the age structure, sex ratio, and roost characteristics will be monitored. In addition, a measurement of roost site loyalty will be taken by tracking the return of marked individuals. The location and modeling of roosting sites is very important for bat conservation efforts.

Sensors *continued from page 8*

Mercury detection is one of Caron's primary goals. With U.S. Department of Energy support, he and colleagues are developing a device to monitor the elusive metal in industrial smokestacks.

It's tricky, he says, because under some conditions, mercury becomes sticky. It can accumulate on surfaces in pipelines and exhaust systems. When conditions change, it eventually emerges into the air in a variety of chemical forms. Being able to distinguish one from another in a continuous stream is a hot area of scientific work.

Caron's love of research is matched by his pursuit of other new experiences. His swimming career began during his junior year when he decided to teach himself how to do flips off a diving board. Even though he may have learned some bad habits, he corrected them with help from Lance Graham, UMaine's diving coach, and within a few years ended up as one of the top competitors in the America East conference.

Caron has also been known to strike up a tune on the piano among strangers at a professional conference, and he and a friend once climbed the nearly vertical rock face of the Precipice at Acadia National Park without equipment, a feat Caron now looks back on as "foolish."

After graduation, he looked seriously at sensor programs elsewhere – CalTech, Penn State, Central Florida, all with respected faculty and research efforts. However, after considering offers of scholarships and assistantships from every school, he decided that Orono offered him the best opportunities to advance his knowledge in this emerging field.

"In the area of chemical and microwave acoustic sensors, UMaine is certainly one of the best universities in the country if not the best. There are a number of other schools that have sensor programs, but Maine is internationally renowned," he says.

Caron and other researchers at SRD are helping to design sensors to warn of respiratory problems in asthma sufferers, monitor the freshness of fish products and give early warning of electrical fires. The lobster industry may benefit from a sensor to indicate the density and the quality of lobster meat. Each of these projects has hurdles to overcome.

For example, in order to develop the mercury sensor, Caron needed a device that would reliably generate a specific amount of the element in gaseous form. "We have to be able to generate it in precise concentrations so we'll know exactly what we're detecting. I designed and built a generator from scratch because it doesn't actually exist commercially. Similar things exist for other types of gases, but mercury is very peculiar," says Caron.

"The company is thinking about reselling it as a piece of equipment. Comparable instruments for other gases, which are actually much easier to make, are \$50,000 to \$60,000."

Another problem was the housing for the sensor. Teflon is the material of choice, but no off-the-shelf products exist. The solution for Caron was to buy some Teflon stock and make the parts himself. "Everything that ever sees mercury inside the delivery system, except for the sensing element itself, has to be made of Teflon, but it is really hard to work with. It's slippery, it compresses and it's not easy to mill. Making parts with extreme precision is nearly impossible," he explains.

For help with these and other problems, Caron found expertise among the many disciplines represented by the faculty at LASST. "If I have questions about chemistry, I can go knock on one door, and the next door over I can ask questions about the physics or engineering. It's definitely a great research facility."

In collaboration with LASST faculty and researchers at Biode Inc., in Hermon, Caron also is working on prototype sensors to detect chemical and biological warfare agents for the Department of Defense. ▲

Look Who's On Campus

Peter Bratt, the writer and director of the film, *Follow Me Home*, will speak on campus Wednesday, April 15, 7 p.m., in 100 Corbett Business Building. The film exploring race and identity in America was the winner of the Best Feature Film Audience Award at the San Francisco International Film Festival 1996 and an Official Selection at the 1996 Sundance Film Festival. Bratt won Best Director 1996 at the American Indian Film Festival.



Colin McGinn, professor of philosophy at Rutgers University, will visit UMaine for two days in April as the annual Philosophy Visiting Scholar. He will deliver two lectures and participate in a roundtable discussion, focusing on the philosophy of consciousness: "How Not to Solve the Mind-Body Problem," 2:10 p.m., Wednesday, April 15, Private Dining Room, Stewart Commons; "Solving the Philosophical Mind-Body Problem," 7:30 p.m.,

Wednesday, April 15, 100 Nutting Hall; and "Roundtable on the Mind-Body Problem," 4 p.m., Thursday, April 16, Virtue Room, Maples. McGinn is the author of *The Character of Mind* and *The Problem of Consciousness: Essays Toward a Resolution*.

Douglas Moore, vice president and management supervisor at Saatchi & Saatchi Advertising, New York, will speak about product branding in a lecture at 7 p.m., Wednesday, April 15, 101 Neville Hall. Moore has been involved in advertising campaigns for such global giants as DuPont, Pepsi-Cola, Pizza Hut, Converse, Scott Paper and HBO. Today, his time is largely dedicated to various laundry and household cleaning brands for Procter & Gamble. Moore comes to UMaine under the auspices of the Ambassador Program of the Advertising Educational Foundation.

Jackson Rushing, associate professor of art, University of Missouri – St. Louis, will present, "Northwest by Southwest: Native American Arts Since 1960," in the Bodwell Area, Maine Center for the Arts, 3:30 p.m., Friday, April 17. Rushing, who served on the UMaine art faculty from 1987-89, is the author of *Native American Art* and the new *York Avant Garde: A History of Cultural Primitivism*. The lecture will complement two Hudson Museum exhibits: *Cedar and Sea: Peoples of the Northwest Coast*, and *From Native Hands: Southwestern Basketry, Pottery, Textiles, and Silver*.



Paul Watson, a co-founder of Greenpeace, will give a public presentation at the University of Maine at 7:30 p.m., Monday, April 20, 101 Neville Hall. Watson will discuss the modern environmental movement, how individuals can make a difference and what he calls the dying world's oceans. Watson helped to found Greenpeace in 1975 and later established the Sea Shepard Conservation Society and Greenpeace International. He has led campaigns against nuclear weapons testing, whaling, the seal harvest and the use of drift nets in the open ocean.

University of California – Santa Barbara Professor of Chemistry Peter Ford will speak at 11 a.m., Tuesday, April 21 on, "Mechanistic Studies of the Reactions of Nitric Oxide. Photochemical Strategies for NO Delivery to Biological Targets." Ford's research interests include the mechanisms of homogeneous catalytic activation of CO and other small molecules, photocatalysis, the photochemistry and photophysics of coordination and organometallic compounds, and applications of transition metal complex photoreactions to biological chemistry and photodynamic therapy. A member of the University of California – Santa Barbara chemistry faculty since 1967, Ford is currently on the editorial boards of *Coordination Chemistry Reviews* and *Inorganic Chemistry*.



1996 Pulitzer Prize-winning poet Jorie Graham will give a poetry reading at 7:30 p.m., Thursday, April 30, Minsky Recital Hall. Graham is currently on the faculty of the Writers' Workshop at the University of Iowa. Described as the most celebrated American poet of her generation, Graham is the author of six collections of poetry. *The Dream of the Unified Field: Selected Poems 1974-94* won the Pulitzer Prize for Poetry. She also is the editor of two anthologies, *Earth Took of Earth* and *The Best American Poetry of 1990*.

News at a Glance

COUNSELING CENTER'S STUDENT-CENTERED CAMPAIGN UNDER WAY

The UMaine Counseling Center: The Self-Knowledge Part of College is the theme of a student-centered campaign to promote personal growth and well-being in the University community.

With a grant from the University of Maine Foundation, the Counseling Center has launched an effort to broaden its role and address perceptions of mental health services held by students, faculty and staff on campus. An important message of the awareness campaign is that the Center's resources are for preventing – as well as for treating – mental health problems.

The goal is to promote the Counseling Center as a resource of overall psychological well-being for all students. As a student-centered facility focused on personal growth, the Center's role in wellness advocacy and education is expanding beyond the traditional treatment of acute or chronic psychological issues.

"The large percentage of the students we serve in the Counseling Center are seeking treatment – a nature of our work that is very important and very private," says Liz Wiesen, Counseling Center staff psychologist and outreach coordinator. "We also want to take a more preventative approach by making counseling accessible and less taboo to all students. We're trying to key in on students' developmental issues – self-knowledge."

The Counseling Center did a marketing survey in January that found that only half of the student respondents were aware that individual counseling was available. Overall, the survey found that the Center is perceived as only a place for crisis intervention and moderate problem solving.

The Counseling Center is seeking opportunities for greater collaboration, sharing of expertise and pooling of resources across campus. A student advisory group will provide input on student services. More public education programs are expected.

"The grant signifies our commitment to trying to be more community-minded and to be available as a community resource," says Wiesen.

SOMETHING SPECIAL AT M.C. FERNALD'S

Earlier this month, the deli-style campus restaurant known as M.C. Fernald's offered a blue light special that was hard to resist.

The specialty sandwich of ham, turkey, bacon, American cheese and veggies on a Milano roll was served up by two UMaine Public Safety officers, and came complete with a complimentary doughnut. The Public Safety Blue Light Special was on the M.C. Fernald's menu for a week to help raise awareness about Special Olympics, which has been held annually on campus since 1987 and has actively involved UMaine's Public Safety staff.

During the week, Public Safety Police Sgt. Laurie Sproul and Crime Prevention Specialist Deb Mitchell were serving up Blue Light Specials, Fernald's patrons had an opportunity to make a donation to Special Olympics. More than \$100 was raised for the event, which this year takes place June 11-14.

Since its renovation and reopening Jan. 15, M.C. Fernald's has quickly made a name for itself, in part because of the famous names of the sandwiches on its menu. The most popular sandwich is The Lord Hall, a spinach wrap with rotisserie turkey, honey mustard, spinach and other veggies, and provolone cheese.

Other departments on campus are now making special requests for their own sandwiches, which are being offered for limited times. They include last month's feature, The Student Employment Office Sandwich – salsa-roasted turkey with Muenster cheese on sourdough onion bread.

CHILD WELFARE THE FOCUS OF AWARENESS WEEK

A panel discussion of child welfare issues and a regional conference sponsored by community groups and the School of Social Work will mark Child Abuse and Neglect Prevention Awareness Week at the University of Maine.

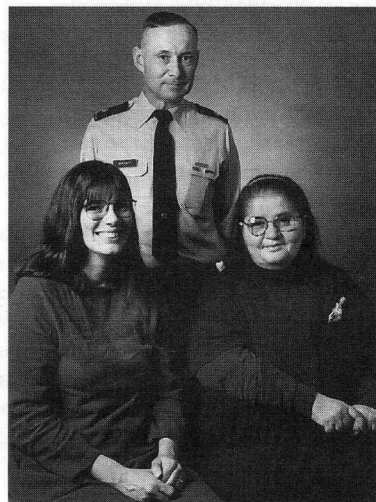
The observance, April 27–May 1, will highlight the need for social workers, healthcare providers and educators to work in partnership, says Nancy Kelly, field placement coordinator for the School of Social Work.

The week is highlighted by a daylong regional conference, organized by the School of Social Work, the Maine Department of Human Services and the Family Practice Residency Program at Eastern Maine Medical Center. The conference April 28 in Brewer, will focus on the theme, "Partner Violence and Child Abuse: Creating Common Ground for Systems in Conflict."

Discussion begun at the conference will continue April 30, with a panel on "Child Welfare Issues of the 21st Century." The panel, which will include UMaine faculty, is scheduled for noon, Bangor Lounge, Union.

A job fair for students who want to work with children and families will be held from 9 a.m. –1 p.m., April 27, Union.

In addition, members of the School of Social Work Student Organization will staff an information table in the Union during the week.



The 1998 Student Affairs Faculty Student-Centered Awards have been presented to UMaine faculty members, left to right, Elise Turner, assistant professor of computer science; Jeffery Wright, professor of military science; and Pamela Schutz, associate professor of education. The three faculty members were chosen from 40 nominations submitted by their students. The Faculty Student-Centered Awards are presented annually to faculty for their involvement with and dedication to students in and out of the

classroom. Now in their second year, the awards are sponsored by the Vice President for Student Affairs.

Photo by Kathryn Rice

ACE/NIP FOCUSES ON WOMEN'S PERSPECTIVES IN HIGHER ED

Women's perspectives in higher education is the theme of the annual meeting of the 1998 Maine ACE/NIP National Network for Women Leaders on Friday, April 17 at the Westbrook College campus of the University of New England.

Highlighting the daylong meeting is a keynote by Regina Barreca, professor of English, University of Connecticut, and nationally known feminist humorist speaking on, "Laughing Our Hearts Out: Humor and Survival."

Registration begins at 8:30 a.m. A \$35 fee covers registration and ACE/NIP membership. Any interested members of the University community, particularly women faculty, staff and students, are urged to attend.

More information is available by contacting those members of the UMaine community on the 1998 Maine ACE/NIP Conference Planning Committee – Ethel Hill, Nancy MacKnight and Devon Storman.

Alumni House *continued from page 1*

Division Committee) know the value of alumni and the difference they make in companies throughout the state. Alumni House is an investment."

Today, the majority of the nation's top public universities have alumni houses that not only serve immediate needs of alumni and members of the campus community, but also offer long-term benefits. "Around the country, institutions that have invested in alumni centers have seen significant gains in alumni giving and state support," says Alicia Nichols, the Association's vice president for fund raising and member of the UMaine Class of '82. "Through the years, the Alumni Association has been working diligently to increase state and alumni giving. With the Alumni House as a reminder of the importance of this institution, we hope to help bring in even more funding for the University."

The two-story structure, to be located on College Avenue, will be a permanent home for the Alumni Association, which now operates out of three buildings on campus, and the University of Maine Foundation, which was located on campus for more than 50 years until its move to Bangor in 1985. The two independent UMaine advocates provide financial support to the University. The Alumni Association operates the Annual Alumni Fund, in which annual giving totals nearly \$1.2 million for the University. Reunion giving since 1993 has raised \$425,000 for academic scholarships. The Foundation receives permanent funds for endowed scholarships, teaching and other purposes for the benefit of the University.

Under one roof, the Alumni Association and the Foundation will share resources and realize greater operating efficiency.

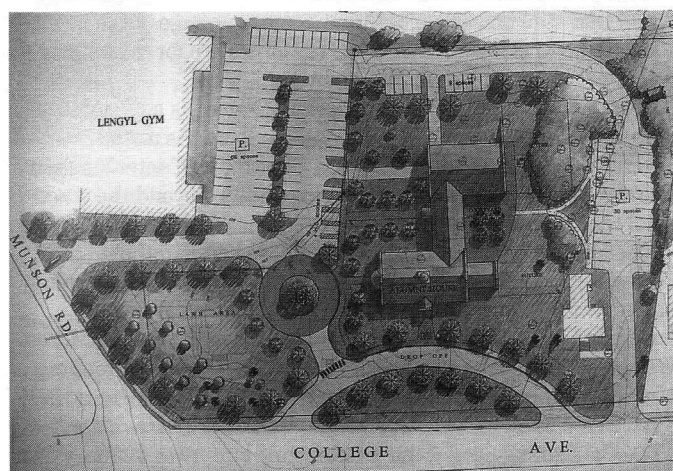
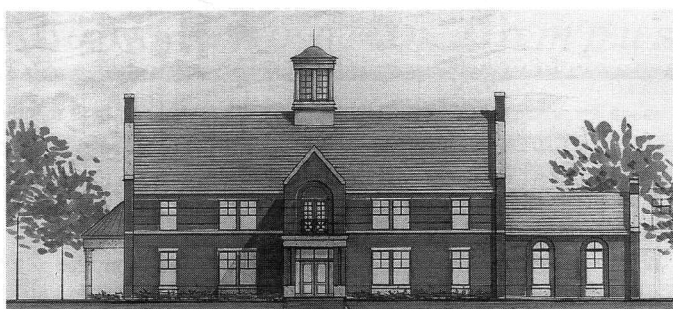
"Alumni House will mark a new chapter for the Alumni Association, the Foundation and the University," says Amos Orcutt, president/CEO of the University of Maine Foundation and member of the UMaine Class of '64. "Alumni House will be a marketing piece for the University and the front door to campus. It's here that people will gain a first impression of the University, and it will be a lasting one."

Alumni House will feature a "leadership hall" celebrating UMaine alumni, an archive and library with permanent displays of University collections and memorabilia, meeting rooms for events and intimate gatherings, a visitors center, and gardens and terraces. It is expected to be an important first stop for anyone learning about, becoming part of or reconnecting with UMaine.

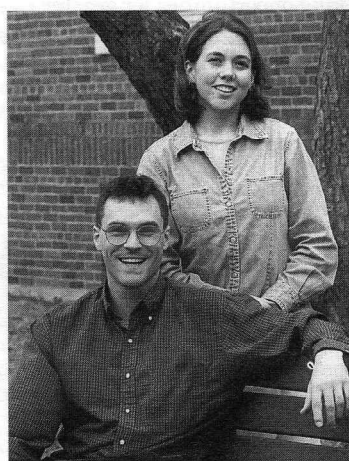
In addition to touting the accomplishments of UMaine alumni in such areas as medicine, science, literature, politics, business and athletics, Alumni House will commemorate the University's Distinguished Maine Professors. Since 1963 with funding from the Class of 1942, the Alumni Association has sponsored the most prestigious award to UMaine's most outstanding faculty.

Alumni House will be a place where connections are made, says Nancy Dysart, the Association's vice president for alumni activities and member of the UMaine Class of '60. For visitors to campus – from present and prospective students and their families to legislators and taxpayers – the celebration of the University's heritage, traditions, achievements and promise will connect them to the essence of the institution. For the 84,000 alumni represented by the Association, the many exhibits and archives in Alumni House will reconnect them to the past, and the latest in communication technology will link them to a campus that may have changed since their student days.

"Students and members of the University community need to know where they fit into this long blue line of UMaine," says Dysart. "Alumni House will be that link between all the generations passing through the gates of this institution. Alumni House will help solidify the place of UMaine graduates in the history – and the future – of the University." ▲



Alumni House will be the new home of the General Alumni Association and University of Maine Foundation, and UMaine's new "front door." Architects for the new building are WBRC Architects/Engineers, Bangor.



Top Student Employees

Across campus, members of the University community observed National Student Employment Appreciation Week, April 5-11. The week is designated to celebrate and recognize the value of student work and the student employment professional. This is the second year that UMaine's observance has been campuswide, coordinated by the Office of Student Employment. A highlight of the week was a luncheon reception honoring this year's 45 undergraduate and graduate

Student Employee of the Year nominees. The 1998 Student Employees of the Year are, left to right, graduate student Robert Daigle, a cashier/supervisor at Stodder Dining Commons, and senior Heidi Archer, a student laboratory aid IV. Daigle, a French major, works with Stodder cafeteria supervisor Kathi Dahl and retail supervisor Karen Noyes. As a student supervisor, Daigle's responsibilities range from greeting visitors to training and coordinating the activities of student employees. Daigle's creativity and initiative were particularly evident in the planning and orchestration of Stodder's Mardi Gras, an evening in February celebrating Maine's Franco-American heritage. Archer is a nursing major who has worked in Presque Isle and Orono on the research projects of Eleanor Groden, associate professor of applied ecology and environmental sciences. The work that Archer has been called on to do in the three years with Groden has ranged from weeding potato plots and collecting soil samples to sampling insects to carry out precise experiments requiring accurate measurement of micro-quantities of reagents. Archer also has been named State of Maine Student Employee of the Year, in competition sponsored by the Northeast Association of Student Employment Administrators (NESEA).

Photo by Kathryn Rice

Green Endowment *continued from page 1*

of Natural Sciences, Forestry, and Agriculture benefits from private donations of woodlands to the University of Maine Foundation. And gifts of forestland to UMaine ensure that the private tracts will be managed on a sustained-yield basis using the best forestry practices.

The Green Endowment has become yet another way the University contributes to the management of the natural rescues in Maine, which is 89 percent forestlands and the most heavily forested state in the country.

"This is such a natural for Maine," says Amos Orcutt, president/CEO of the University of Maine Foundation which manages the endowment. "If landowners want land preserved, why not let the state's largest university do it, managing the woodlands using the latest techniques and allowing research to be done that could impact future forests? It's logical for the state's land-grant institution to be a repository for lands. It's good for the state.

"For years, the University has been working to increase productivity of forestlands, in the same way it has impacted the potato, dairy and other natural resource industries in the state. The goal is not only a productive but ecologically sound forest, and the key is sharing the knowledge we gain with other forest owners and managers on issues ranging from timber harvest to conservation and woodlot improvement."

Established in 1992, the Green Endowment offers alumni, industry and others the opportunity to give family woodlands to the University. The University of Maine Foundation takes title to the gifted woodland on behalf of the College. The goal is to retain the land indefinitely.

The Endowment provides for long-term management of donated forest lands by the College's University Forests Office – management undertaken to provide sustained yield of the marketable resources and to maintain a healthy wildlife population, recreational potential and other forest resource values. Through such management, coordinated statewide by University Woodlands Manager Charles Simpson, the forests are a source of income for the College's forestry programs. Endowment income is used to directly support education programs of undergraduate and graduate students, and to support faculty and staff in teaching and research efforts.

It is projected that the average net income each year will be \$4 an acre. The College could one day expect to receive up to \$100,000 or more annually if the Green Endowment's goal of 25,000 acres is reached.

In the first four years, the Green Endowment doubled the acreage of University Forests in the state to 11,000. The 11 gift parcels in the Green Endowment, ranging from 70 acres to 3,800 acres, have been appraised for a total of more than \$2.9 million.

"Bruce Wiersma saw an opportunity not only for the College to have a source of income but to further practice what it preaches. The Foundation is a vehicle to help the College accomplish that," says Orcutt. "The College had potential donors who owned forestland and didn't know what to do with it. In many cases, their children and grandchildren had no interest in managing a woodlot, even if it had been manicured for 40 years. The Green Endowment offers an alternative to what is often a devastating effect of the estate tax system in forcing heirs to liquidate family land.

"This is a chance to make a meaningful gift to the University, to receive a tax deduction, and to see that the land is managed into the future. It is an endowment using income from land rather than the conventional approach to buying and selling stocks and bonds," says Orcutt.

In the history of endowments in higher education, land donations were the first gifts, says Orcutt. From stalwarts like Oxford

and Cambridge to the land-grant institutions like the University of Maine – all of which still own their original tracts – the first endowment donations were in the form of land.

Such gifts were natural at the University of Maine, which has one of the longest, continuously accredited professional forestry program in the United States. UMaine has the distinction of having one of the three oldest undergraduate forestry programs in the country. From the undergraduate program stemmed a department of general forestry in 1903; a wildlife management program was added to the curriculum by 1935.

The oldest of UMaine's forest holdings is the Dwight B. Demeritt Forest in Orono and Old Town, which makes up more than 1,700 of the almost 11,000 acres of University Forest throughout the state. Received from the federal government in 1939 under the condition that it remain a managed woodland, the Demeritt Forest has yielded regular timber harvests since then.

In the College of Natural Sciences, Forestry, and Agriculture, an advisory committee meets to discuss acceptance of land gifts. In particular, decisions are made about the land's viability.

"The committee has to make business decisions," says Orcutt. "Each piece of land is looked at on its own merit. Responsibilities for research are weighed against management for profit. In some cases, there are donor restrictions placed on the land that must be considered."

The Penobscot Experimental Forest in Bradley and Eddington is the largest parcel of University woodlands. An industry gift donated in 1994, it is one of three major research forests in the East devoted to the study of different harvesting practices, including economic and environmental effects. The U.S. Forest Service has been conducting research on about 1,000 acres of the forest since 1950. Research initiatives and a management plan are being developed on the remaining 2,800 acres, in accordance with the donor's wishes.

The 11,000 acres held by the University of Maine throughout the state is managed for a variety of uses. For those tracts not tied to research, 10-year management plans are developed. Forests are managed for their educational and research value to students and faculty. Non-motorized recreational use is encouraged, except on the research-intensive holdings. Hunting is allowed in most areas. Forest management also includes conservation – one of the most important aspects for private woodlot owners today, says Orcutt.

Examples of the opportunities such donations offer include the more than 200-acre family farm in Hudson, donated by George Houston, UMaine Class of '37 of New York. The homestead features fields, wetlands and apple orchards. Under the management plan for the property, two hayfields have been planted in larch and red pine. Some harvesting has been done to promote wildlife habitat diversity, with income used to improve the woodlot.

The Collins Woodlot in Manchester, donated to the University of Maine at Augusta and managed by the University Forests office, includes in its 200 acres a bog containing rare orchids. The Gardiner Woodlot in Woolwich is 88 coastal acres of mixed species with frontage on salt water, which has already offered unique opportunities in entomology research.

"People want to preserve land," says Orcutt. "They now see that here's the University of Maine, their state land-grant university, where they can make a gift and be assured that their land will be preserved through the Green Endowment." ▲

Maine Day *continued from page 2*

"This year we're looking for more community involvement than ever," according to student senator Mellisa Paradis, a co-coordinator of Maine Day, which in recent years became a board of Student Government. "Maine Day is important because it shows people in Orono and Old Town that we as students, faculty and staff care about the University of Maine. It's a day we can come together and have fun doing something in common.

"We also need to keep up a tradition. Tradition is important because it identifies who we are."

The night before Maine Day, the Student Alumni Association (SAA) will sponsor a Stephen King Movie Marathon.

Maine Day begins at 7:30 a.m., with a wake-up parade led by Bananas and members of the UMaine Marching Band.

Community clean up and service projects throughout the morning are coordinated by SAA. Members of the University community who need help with projects – from moving supplies and cleaning classrooms to cataloging materials – are urged to call the Association, 581-1142, to request Maine Day volunteers.

In addition, any students or faculty already scheduled to undertake projects are invited to register their activities with SAA.

Mid-day, Gamma Gamma Sigma is coordinating an outdoor barbecue on the Mall for Maine Day participants.

Activities that afternoon include the traditional oozeball tournament near the Steam Plant parking lot, with proceeds benefiting Operation Liftoff. The day will be capped by a concert.

A full schedule of Maine Day activities is available by contacting Student Government, 581-1775. ▲

Testing *continued from page 2*

The center is the result of an agreement between UMaine and Sylvan Learning Systems, which administers certain on-line exams for the Educational Testing Service of Princeton, N.J., one of the largest publishers of standardized exams for the field of education. The center will provide selected tests produced by ETS and other publishers.

Virginia Gibson, dean of the College of Business, Public Policy and Health, says the center will provide a valuable service.

In addition to students, the center will serve professionals in the community – nurses, physical therapists and insurance agents, for example – by offering professional certification exams by computer.

"As the flagship campus in the University of Maine System, it makes sense for us to be the first in Maine to offer this service," Gibson says.

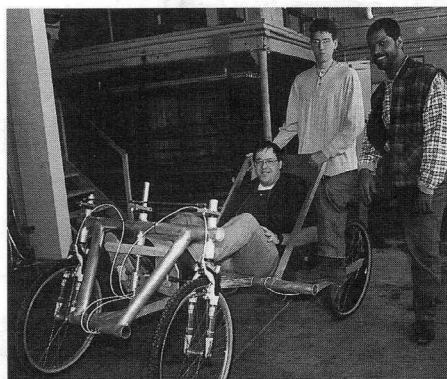
The center is in 126 Alumni Hall. The room has five testing stations, including one equipped for persons with disabilities. ▲

25TH ANNIVERSARY BENEFIT FOR SPRUCE RUN

Spruce Run's 25th anniversary concert and reception at the Maine Center for the Arts features the blues, rock and retro-funk sounds of Toshi Reagon with Big Lovely at 7 p.m., Saturday, April 18.

Tickets are \$20 and available by calling the MCA box office. Proceeds from the performance and the post-concert reception will benefit Spruce Run, the domestic violence project serving Penobscot County.

Spruce Run operates with volunteers on a 24-hour hotline, peer support groups, community education and advocacy work. Numerous members of the University community contribute their time to the non-profit organization, including Ann Schonberger, Renate Klein and Mary Casserly, who serve on Spruce Run's Steering Committee. Seven UMaine alumni are now Spruce Run staff members, and University students have internships or work study positions.



Student-Designed Bicycles to Race on Maine Day

With help from Maine businesses, mechanical engineering technology students in this year's capstone design course are building downhill racing bikes which can be steered by foot. Herbert

Crosby, professor of MET, challenged the students last fall to design and build a vehicle for a racer who doesn't have use of his or her arms.

Supplies have come from companies such as Lemforder, Bangor Welding, Ski Rack, Cannondale, Lane Supply, and Rose Bicycle in Orono. Five teams will test their prototypes in competition on a designed course on Maine Day, April, 29. Shown with the result of their labors are, left to right, Rich Mason, Heath Carson and Fouad Buali. Not pictured is team member Steve Sanderson.

Photo by Kathryn Rice

Liberal Arts *continued from page 2*

However, the partnership between the College of Liberal Arts and Sciences and the Maine Business School is the first formal agreement designed to steer qualified students from one UMaine college toward the MBA program.

John Ford, MBA program director, says the arrangement will allow qualified students to complete the master's degree in one year. MBA students without previous business coursework must take six fundamental classes before beginning a series of 10 graduate-level courses. The new arrangement would enable students to take the foundation courses as undergraduates and begin their graduate courses upon entering the MBA program.

"This program gives students the intellectual advantages of a liberal arts education and an early start on developing marketable skills," Ford says. "We believe this five-year program will produce many of the future business leaders in the state." ▲

17TH ANNUAL PROFESSIONAL EMPLOYEE ACHIEVEMENT AWARDS

The Professional Employees Advisory Council (PEAC) seeks to raise the awareness of the campus community about the indispensable contributions that represented and non-represented professional employees make to the quality, diversity and overall mission of the University.

This year two awards will be given to professional employees whose actions and activities above and beyond normal work responsibilities have provided outstanding service to their fields, to UMaine, or to the community as a whole. In recognition of the employees' accomplishments and contributions, a cash stipend of \$1,000 is presented to each awardee. Awards are presented at the annual spring employee banquet.

A professional employee must be nominated by another University employee. To be eligible for an award, the employee must be a current represented or non-represented professional employee with a minimum of three years of continuous service to the University. The employee need not be in the same position over that three-year period. When nominating an individual, describe the actions and activities that deserve consideration for the award; include the positive impact the person has had on the field, the University, or outside community organization. Describe the unique characteristics that set the performance of the individual above normal, expected performance levels. Letters of recommendation must be limited to two typewritten pages.

Nomination forms and additional information are available from Bill Charland, chair of the PEAC Awards Committee, x2653. Submit nominations to Bill Charland, Service Building, Facilities Management.

Deadline for receipt of nominations is April 15.

Robert Rugg, former visiting scientist with the NCGIA and professor in urban studies and planning at the Virginia Commonwealth University; **Max Egenhofer**, director of the NCGIA, associate professor in spatial information science and engineering, and cooperating associate professor in computer science; and **Werner Kuhn**, graduate faculty

in spatial information science and engineering and professor in geoinformatics at the University of Münster, Germany: "Formalizing Behavior of Geographic Feature Types," *Geographical Systems*, 4(2):159-79 (1997).

David Long, graduate student, Department of Biological Sciences; **Francis Drummond and Eleanor Groden**, associate professors, Department of Biological Sciences: "Susceptibility of Colorado Potato Beetle (*Leptinotarsa decemlineata*) Eggs to *Beauveria bassiana*," *Journal of Invertebrate Pathology*, 71: 182-183 (1998).

Mohammad Omary, former Ph.D. graduate student and currently an instructor in the Colby College Chemistry Department, and **Howard Patterson**, professor of chemistry: "Temperature-dependent Photoluminescence Properties of $Tl[Ag(CN)_2]$: Formation of Luminescent Metal-Metal Bonded Inorganic Exciplexes in the Solid State," *Inorganic Chemistry*, 27:1060-66 (1998).

Margo Lukens, assistant professor of English: "Her 'Wrongs and Claims': Sarah Winnemucca's Strategic Narratives of Abuse," *Wicazo-Sa Review*, 13:1 (Spring 1998). *Wicazo-Sa Review* is a journal of Native American Studies.

Warren Riess, research associate professor of history: "Evaluation of Preservation Efforts for the Revolutionary War Privateer Defence," *International Journal of Nautical Archaeology*, 26(4):330-38 (1997).

Alexander Grab, associate professor, Department of History: "La politica finanziaria nella repubblica e nel regno d'Italia sotto Napoleone (1802-1814)" ("The Financial Policy in the Republic and Kingdom of Italy Under Napoleon (1802-1814)"), *L'Italia nell'eta Napoleonica*, pp. 37-113 (Rome 1997).

Yan Kit Tam, former research associate in biological sciences, and **Irv Kornfield**, professor of zoology: "Phylogenetic Relationships of Clawed Lobster Genera (*Decapoda: Nephropidae*) Based on Mitochondrial 16S rRNA Gene Sequences," *Journal of Crustacean Biology*, 18(1): 138-46 (1998).

James Acheson, anthropology and marine sciences, two articles: "The Politics of Managing the Maine Lobster Industry: 1860 to the Present," *Human Ecology*, 25(1):3-27 (1997); and "Household Organization and Budget Structures in a Purepecha Pueblo," *American Ethnologist*, 23(2):331-51 (1997).

OUTSTANDING CLASSIFIED EMPLOYEES AWARDS

The Classified Employees Advisory Council (CEAC) is now accepting nominations for outstanding classified employees for the Employee Recognition awards. The awards are presented each year at the annual Employee Recognition Banquet in May.

The Classified Employees Advisory Council (CEAC) believes it is extremely important to recognize classified employees' exceptional service and dedication to the University. We would like to raise the awareness of the campus community about the indispensable contributions that the classified employees make to the quality, diversity and overall mission of the University of Maine.

Two awards are presented annually to classified employees whose actions and activities, above and beyond normal work responsibilities, have provided outstanding service to their departments, to UMaine, or to the community. In recognition of the employees' accomplishments and contributions, each finalist or group of finalists will be honored and presented a cash stipend of \$1,000 at the Employee Recognition Banquet in May.

A classified employee must be nominated by another University employee. Nominations are solicited for exceptional and meritorious achievement. Employees may be nominated for these awards based on one-time actions when performance is extraordinary during special non-routine or unique situations. Nominations will be screened by the CEAC Employee Recognition Committee. Nominations should be sent to Tracey Nelson, CEAC, 107 Nutting Hall. **Deadline for nominations: April 15.**

Book Ends

New & Noteworthy at the University Bookstore

National Poetry Month

The Bookstore's Poetry Reading will be Thursday, April 16, at 7 p.m. Winners in the Bookstore's Poetry Contest for area middle school students and the Penobscot Watershed Poetry Contest will read their works. They will be joined by other area poets.

University Bookstore Patio Sale
9 a.m.-3 p.m., Thursday, April 23

Books

Election, Tom Perotta (Penguin-Putnam)-1998. A suburban New Jersey high school is the scene of this part-satire, part-soap opera story of a teacher confronting a student body election gone haywire. In the name of democracy – not necessarily the only reason – Mr. M., the faculty advisor to the Student Government Association, recruits the perfect opposition candidate to run against Tracy Flick, who's heart is set on becoming president. When the opposition's younger sister joins the competition on a platform of apathy and Winwood High begins to experience election fever, Mr. M. finds himself caught up in two dramas; one personal and private, the other public and political.

The Archivist: a Novel, Martha Cooley (Little Brown & Co.)-1998. The young poet comes to the library and asks to see an archive of letters from T.S. Eliot, and suddenly Matthias the librarian is haunted by a long-buried relationship years earlier. His marriage to Judith in the years following WW II forms the core of this emotionally charged novel. At first their differences strengthened their bond, but eventually Judith's erratic behavior leads to incarceration in a mental hospital. A journal reveals the psyche of a woman haunted by questions of love's worth in an evil war-filled world. A haunting novel about marriage, madness and poetry.

Starting Out the Evening, Brian Morton (Crown Pubs.)-1998. A 70-ish writer whose novels are out of print meets a 20-ish graduate student who decides to write her master's thesis about his works. Unexpected consequences of their meeting include the author dreaming of literary immortality and the student doubting her idol understands the deepest lessons of his own art. A superb portrait of literary life at the end of the 20th century, this is also a moving and unconventional love story.

Death of a Dustbunny, a Stella the Stargazer Mystery, Christine T. Jorgensen (Walker & Co.)-1998. Sitting in her office at the Denver *Daily Orion*, Stella knew something was wrong long before Elena Ruiz didn't show up after last night's whispered phone call that they must meet. Dustbunnies, the house-keeping and nanny service that employed Elena, claimed she left a note saying she had to go away for a few days. Stella knew Elena could neither read nor write in English. Stella replaces Elena in caring for the little boy who has an unshakable belief in vampires and finds herself in the middle of a close-mouthed Mexican community – a cold, dangerous world.

The All-True Travels and Adventures of Lidie Newton, Jane Smiley (A. Knopf)-1998. In the 1850s Lidie Harkness, from Illinois, is a young woman of courage, good sense, and good heart; a tall, plain girl who rides and shoots and speaks her mind. She meets a New England abolitionist, Thomas Newton, dedicated to settling the Kansas Territory as a Free State in the Union. They marry, and the young couple again and again barely escape entrapment in webs of atrocity on both sides of the great question. On this feverish eve of the War Between the States, a powerful saga of an almost forgotten part of the American story is brilliantly portrayed.

NOTICE OF THE "STEVE GOULD AWARD FOR 1998"

Nominations are now requested for the 1998 Steve Gould Award. Nominations may be submitted by any UMaine employee or student who wishes to identify "persons or organizations who have demonstrated superior qualities of unselfishness and compassion for others."

The award of \$500 will be presented at an appropriate event in May. Nominations forms may be requested from:

Dana Humphrey, 301 Boardman Hall
The Office of Student Government, Memorial Union
The Office of the Association of Graduate Students, Memorial Union
Cathy Bradbury, Office of the President, 200 Alumni Hall

Deadline for nominations is Friday, April 24.

John Moring, professor of zoology, Department of Biological Sciences, presented a seminar: "Early Fisheries Surveys in the West and the Decline of Atlantic Salmon in New England," at the University of Massachusetts – Boston, March 23.

Steve Sader, professor of forest resources, led a workshop session in Flores, Guatemala,

March 12: "Land Cover/Land Use Classification of Maya Biosphere Reserve." In attendance were representatives of The Nature Conservancy, Conservation International and other government organizations in Guatemala (CeMeC and SegePlan) who will be participating in a project to create a land cover map of the Reserve using satellite imagery, aerial videography and ground plot information.

Max Egenhofer, director of the NCGIA, associate professor in spatial information science and engineering, and cooperating associate professor in computer science, attended the Workshop on Spatial and Temporal Reasoning at the Fourteenth National Conference on Artificial Intelligence (AAAI '97) in Providence, July 28, and was on a panel: "The Impact of Spatial Reasoning on the Real World."

Randall Boone, research associate, Department of Wildlife Ecology, presented a paper: "Issues of Predicting Vertebrate Species Distributions," to the U.S. Chapter of the International Association of Landscape Ecologists, East Lansing, Mich., March 18.

James Gilbert, chair, Department of Wildlife, presented a paper: "Status of Attempts to Estimate Population Trends of Walrus," to a Symposium on Surveys, Status and Trends of Marine Mammal Populations, Seattle, Feb. 25-27.

Malcolm Hunter Jr., Librarian Professor of Conservation Biology, Department of Wildlife Ecology, gave a seminar: "Maintaining Biodiversity in Forest Ecosystems," at the Danum Valley Conservation Center, Sabah, Malaysia, March 10.

Cynthia Mahmood, associate professor of anthropology, recently spoke at the University of Cyprus, Nicosia, on: "Violence and the Sacred: Religious Militancy at the Millennium."

James Warhola, professor of political science, chaired a panel at the 1998 New England Slavic Studies Association Annual Meeting, March 27-28, at Tufts University (Medford, Mass.): "Aspects of State-Building in Russian History," and presented a paper on that panel: "Church-State Relations in the Early Years of the Muscovite State: The Reigns of Ivan III and Vasilii III."

William Ostrofsky, associate research professor, Cooperative Forestry Research Unit, College of Natural Sciences, Forestry, and Agriculture, chaired the Northeastern Forest Pest Council, and presented a talk: "Management Recommendations for Glaze-damaged Forests," at the NEFPC annual meeting, March 9-11, Fredericton.

Michael Howard, associate professor of philosophy, delivered a paper: "Cooperatives, Market Socialism, and Economic Democracy," for a Council for European Studies Conference panel on Economic Democracy and/or Private Property, Baltimore, Feb. 28.

Kathleen March, professor of Spanish, gave two talks at the Penobscot School in Rockland for a community outreach course in conjunction with the Camden Conference on Latin America. Jan. 20, she spoke on: "The Boom in Latin American Literature." Feb. 10, the topic of her talk was: "Testimonio in Latin America."

Sixty-five works from the **Museum of Art's** Robert Venn Carr Collection are currently on loan to the Lyman Allyn Art Museum in New London, Conn. The exhibition, *Masterworks: Contemporary American Prints from the Robert Venn Carr Collection*, was curated by University of Maine Museum of Art Director **Wally Mason** and will be shown at the museum through April 15.

Howard Segal, Bird and Bird Professor of History, gave a lecture: "The Jewish Technocrat: Harold Loeb," at Purdue University, April 3.

The New England League of Middle Schools has presented its distinguished service award to Associate Professor **Edward Brazee**, recognizing his pioneering work and advocacy of quality education for early adolescents. He received the James P. Garvin Distinguished Service Award before an audience of 4,000 educators and parents at the regional association's annual conference March 23, Providence, R.I.



Commercial Fisheries News Photo

Last month, U.S. Sen. Olympia Snowe presented a 1997 Visionary Award to Bruce Sidell, director of UMaine's School of Marine Sciences. The Gulf of Maine Council on the Marine Environment also gave a Visionary Award to Robin Alden, UMaine alumna and former state commissioner of Marine Resources.

Consistent with Maine's strong cultural and economic ties to the sea,

the University of Maine has a longstanding tradition of marine-related research and educational activities. Faculty work closely with the lobster industry to protect the health and reliably predict the future of that trademark species. In the Gulf's near shore and open waters, they are studying and diagnosing the ecosystem which underlies one of the world's most productive environments for groundfish, sea urchins, and other species.

Amy Fried, assistant professor of political science, will attend the Midwest Political Science Association Meeting, April 23-25, Chicago, presenting: "Competition and the Practices of Political Culture: How Interest Groups Use Holidays to Promote Their Political Visions," and serving as panel chair on a panel: Social Capital, Civil Society, and Democratization.

The University of Maine was well-represented at the 63rd Annual Meeting of the Society for American Archaeology in Seattle March 25-29.

Stephen Whittington (director of the Hudson Museum and cooperating assistant professor of anthropology), James Voss, and **Charles Hess** (professor of physics) presented a poster: "Scientific Examinations of an 'Olmec' Carved Emerald." Quaternary studies graduate student **Heather McInnis** presented a poster: "Subsistence and Maritime Adaptations at Quebrada Jaguay, Camana, Peru: A Faunal Analysis." **Dan Sandweiss** (assistant professor of anthropology and quaternary studies) organized and chaired a session with James Richardson III (Carnegie Museum of Natural History) on: "Terminal Pleistocene/Early Holocene Maritime Adaptations along the Pacific Coasts of the Americas," in which he gave a paper: "Quebrada Jaguay: Early Maritime Adaptations in South America." **David Sanger** (professor of anthropology and quaternary studies) served as a discussant in that session. Also in attendance was undergraduate anthropology major **Michele Cameron**.

Professor **William Bray**, Department of Mathematics, delivered a colloquium lecture: "Hadamard's Method of Descent: View from the Fourier Transform Side," at the University of Connecticut, Storrs, March 24.

Diane Jackson, doctoral student in special education, presented results of her study: "Beyond Agility: Attending to the Academic Challenges Facing College Athletes with Learning Disabilities," at the International Conference of the Learning Disabilities Association, Washington, D.C., March 13.

Professor **Dennis Cox**, Music, conducted the University Singers for its annual March recruiting and public relations tour. The Singers sang for over 5,000 students, alumni, and friends of the University. The itinerary included Maine performances at Erskine Academy, Mt. Ararat High School, North Windham Union Church, Windham High School and Gorham High School; and performances at Kennett High School (New Hampshire), Manchester Central High School (New Hampshire), Lewis Mills High School (Connecticut), Tuxedo High School (New York), and Smith Middle School (Pennsylvania). In addition, Cox; Professor Frank Battisti, New England Conservatory; and David Mills, University of Connecticut, were clinicians for the Patriot Music Festival Jan. 18 at Belmont High School, Massachusetts. March 29, Battisti; Col. John McCord, former administrative head of U.S. Air Force Bands; Ron Chandler, University of Toronto; and Cox were judges for the Patriot Music Festival, Belmont High School.

At the Annual Meeting of the Eastern Branch of the Entomological Society of America, Cherry Hill, N.J., March 15-18, the following papers were presented: **Connie Stubbs** and **Frank Drummond** (both Department Biological Sciences): "Potential of the Shaggy Fuzzyfoot Bee, *Anthophora pilipes villosula* Sm. (Hymenoptera: Anthophoridae) as a Pollinator of Lowbush Blueberry"; Drummond and Stubbs: "Providing Alternatives to Honey Bees for Pollination of Lowbush Blueberry"; **Silvia Fernandez** (Department Biological Sciences), **Ellie Groden** (Department of Biological Sciences), and Drummond: "Secondary Cycling of the Fungus *Beauveria bassiana* in Colorado Potato Beetle Populations"; **Mike Furlong** (Department Biological Sciences): "Autodissemination of Fungal Entomopathogens by the Diamondback Moth"; Groden: "Biological Control of the Colorado Potato Beetle"; **David Long** (Department Biological Sciences), Drummond and Groden: "Horizontal Transmission of *Beauveria bassiana* (Bals.) Vuill. (Deuteromycotia: Hypomycetes) in Colorado potato Beetle, *Leptinotarsa decemlineata* Say (Coleoptera: Chrysomelidae)"; **Jennifer Loose** (Department Biological Sciences), Drummond, Stubbs and **Steve Woods** (Department Biological Sciences): "Impact of Herbicides on Native Bee Diversity in Massachusetts Cranberry Bogs"; **Shelly Thomas** (Department Biological Sciences), Woods and **Jeff Jaros-Su** (Department Biological Sciences): "Methods for Characterizing Vegetation Richness and Structural Complexity in Northern Forests"; **Rick Ziegler** (Department Biosystems Science and Engineering), Drummond, **Darrell Donahue** (Department Biosystems Science and Engineering), and **Stewart Smith** (Department of Resource Economics and Policy): "Environmental Quality Concerns of Pest Management: Practical Application for Colorado Potato Beetle Management on Maine Potato Farms"; Drummond, Nigel Barlow and Trevor Jackson (both of New Zealand): "A Method for Estimating Cycling of an Epizootic Through an Insect Population"; Woods: "Pest Management and Diversity: Integration and Implementation"; **Dina Ngollo** (Department Biological Sciences) and Groden: "Effects of Temperature and *Nosema pyrausta* on the Growth and Development of the European Corn Borer"; **Kathy Murray** (Department of Biological Sciences) was organizer of the symposium: "The Future of Forest

Entomology"; Fernandez organized the symposium: "Biological Control of Insects." Also, a team of grad students and one faculty member: Loose, Fernandez, Groden and Jan Altrie (Cornell University) beat the presidential team during the Linnean Games. **Dick Storch** (Department Biological Sciences, retired) came in second place in the 5k race. **Jim Dill** (UMaine Cooperative Extension) gave the presidential address: "A Day in the Life of an Extension Entomologist." He also presented the introductory remarks to the symposium: "Vegetable Integrated Pest Management: Present and Future." **David Handley** (UMaine Cooperative Extension) gave the presentations: "Strawberry IPM in Maine" and "Sweet Corn IPM in Maine." He also organized the symposium: "Vegetable Integrated Pest Management: Present and Future." **Glen Koehler** (UMaine Cooperative Extension) presented a paper: "Spatial Resolution of Weather Data Input for Apple Pest Phenology Estimates Across New England." He also organized the symposium: "Entomology - Where It's At!"

Steve Kahl, director of UMaine's Water Research Institute, has received an Environmental Merit Award from the U.S. Environmental Protection Agency. The award honors extraordinary efforts undertaken to protect New England's natural resources. Kahl's achievements include research on lake acidification, groundwater chemistry and environmental toxins. According to EPA, his contributions to Maine's environmental assessment program have helped create one of the nation's premier programs. Kahl's nomination had broad support, including Congressman John Baldacci and Ned Sullivan, commissioner of the Maine Department of Environmental Protection. Also receiving the award is the DEP's Environmental Leadership Program. EPA will formally announce the awards in a ceremony in Boston on Earth Day, April 22.

The University Continuing Education Association's (UCEA) Marketing and Promotions Awards 1998 competition has resulted in two awards for the University of Maine. A Bronze Award was presented to the Division of Lifelong Learning for its Web Page, developed by Public Affairs Senior Designer **Val Williams**, and a Silver Award for the Division of Lifelong Learning's Exhibit/Display Board, created by Public Affairs Senior Designer **Carol Nichols**. Also cited were photographers **Kathryn Rice** and **Monty Rand**.

SUMMER FACULTY RESEARCH FUND AWARDS

Daniel Dwyer, vice provost for Research and Graduate Studies, is pleased to announce the recipients of the Summer Faculty Research Fund competition. Recipients are selected based on recommendations by the Faculty Research Funds Committee. Funds for this program are provided by the vice provost for Research and Graduate Studies as part of a broader investment strategy designed to assist faculty, and encourage research and other creative achievements.

Christa Acampora, Philosophy, "Contesting Nietzsche (completion of a book manuscript)"

Sandra Butler, Social Work, "Analysis of Parent Survey - Follow Up"

Douglas Chivers, Biological Sciences, "Chemical Alarm Pheromones and Acquired Predator Recognition by Salmonid Fishes"

Cristin Millett, Art, "The Intersection of Art, Medical History, and Societal Perceptions"

Jane Smith, Modern Languages and Classics, "A Linguistic Survey and Analysis of the French Spoken in Madawaska, Maine"

Touradj Solouki, Chemistry, "Development of Ultra-High Resolution Mass Spectral and Ion Dissociation Methods for Analysis of Complex Environmental Samples"

Sundarraman Subramanian, Mathematics and Statistics, "Median Regression Analysis of Censored Data"

Jeffrey Vipperman, Mechanical Engineering, "Autonomous Structural Damage Detection Using Adaptive Piezoelectric Sensoriactuators"

Judy Walker, Communication Disorders, "Perceptual Deficits in Processing Prosodic Structures in Brain Damaged Populations"

James Weber, Biosystems Science and Engineering, "Development of a Noninvasive Method for Sex Selection of Bovine Embryos"

Stephen Woods, Biological Sciences, "The Importance of Trap Placement in Comparing Insect Biodiversity Between Forest Stands"

UMaine Cooperative Extension

Summering at Tanglewood

A guide to 1998 outdoor programs for youth, teens and adults is available from the Tanglewood 4-H Camp operated by University of Maine Cooperative Extension. The programs run from May through early October at the camp near Lincolnville, and are open to the public and school groups.

The offerings include day camps and one- and two-week residential camps for children ages 6-14, a girls science day camp, and outdoor exploration and leadership programs for youth ages 10-17. Elderhostels are also planned through the spring and fall on topics such as life in tidal pools, spring birding and Maine lighthouses.

The 4-H Earth Connections School Programs are offered in the spring and fall for grades K-8. Programs are custom designed for one-day or overnight adventures. The curriculum is organized around the State of Maine Learning Results.

The Tanglewood 4-H Camp and Learning Center was established in 1982 by the Knox-Lincoln County Extension Association and the University of Maine Cooperative Extension to create an affordable, environmentally-focused summer camp for Maine youth. Since that time, it has become a learning and enrichment center where all ages can develop effective leadership skills, accept and celebrate diversity of culture, and gain a global perspective through local identity.

Tanglewood overlooks the Ducktrap River, and is situated within a beautiful, secluded, 830-acre forested section of the Camden Hills State Park in Lincolnville.

For a program brochure and further information, contact Katie Vavrinc at the Knox-Lincoln County Cooperative Extension Office, 1-800-244-2104.

Maine Perspective *classified ads are free to faculty, staff and students at the University of Maine. Ads must be typewritten and include a telephone number. They will be published one week only unless otherwise specified. Send ads to: Maine Perspective Classifieds, Public Affairs.*

FOR SALE

AUTOMOBILE: Hyundai Elantra 1992. Reliable and fuel-efficient, regularly maintained at Bangor dealer. 70k miles, sticker

good through January 1999. \$4,000 or BO. Call 827-9223.

AUTOMOBILE: 1990 Dodge Caravan, ps, pb, a/c, am/fm, new tires/brakes, very good condition. \$5,000. 947-7799.

AUTOMOBILE: 1986 Audi 5000 CS. Very good condition. Well maintained. Runs great. No rust. \$2,400. Call 884-8493.

BUNK BEDS: Attractive, well-built set in good condition. Ladder, rails, mattresses. Beds separate to make twin beds. \$375. 866-4339.

CONDO: Whispering Pines, Colburn Drive, Orono. 2-story, end unit. Bright, spacious rooms. 3BRs, LR, large kitchen with dining area, 2 full baths, deck, laundry hookup, full basement. Walking distance to campus. Call 866-4883.

FIREWOOD: All hardwood. \$100/cord cut, split and delivered. Call 827-7091.

HOUSE: Old Town. Cozy 3-BR farm on 7.8 acres, open kitchen, appliances, deck, barn, pasture and forest. Easy 20-minute commute to UMaine. Sellers motivated. \$73,000. Call 827-9897.

HOUSE: Bradford/Charleston town line. Included on the three acres with the nine-room farmhouse are a 2-car garage and small barn. The view toward the south is awesome! New roof, septic system and well. Needs a new kitchen and the bath updated. Owner will consider financing. Asking 30K. For more information, call 947-6230 evenings.

MISCELLANEOUS: Antique violin-looks, sounds beautiful, bow and case included: \$425; upright piano-great condition, black, you move, only \$300. Also, looking to buy a manual 240 Volvo Wagon between the years of 1990 and 1993. If you know of any for sale, call 866-0688.

FOR RENT

APARTMENT: Unfurnished 2BR close to airport and I-95. Clean, bright, with many unique features. Private yard and garden, heat, electricity, water & sewer included. \$550/month. 947-6230 evenings.

APARTMENT: Newly built on Lucerne Lake. Portion of a family estate. Exclusively private. Furnished, 1-BR, LR, study, fully equipped kitchen. Heated garage, W/D hookup. Telephone. Satellite dish. Ideal for 4-season outdoor enthusiast. Custom suited for mature professional or retired person. Must see to appreciate. \$650/mo. Will negotiate utilities. Security deposit/lease. References required. No pets. Call for appointment to view, 843-6053, leave message.

HOUSE: 3-BR house available mid-May. 566 College Ave., Old Town, by University Dairy Road & fields. Eat-in kitchen, porch, nice yard, oil heat, non-furnished. \$765 monthly, not including utilities (oil, electricity, water, gas and sewer). Call Scott, 866-5509, for more information

SERVICES

ROTOTILLING: Can till existing garden plots for spring planting or can put in new flower or vegetable spaces. Greater Old Town-Orono-Bangor area. Call Mike, 827-7087.

TREE WORK: Tree and stump removal, brush cutting and chipping, tree climbing. Also, storm damage clean-up and pruning of fruit trees, ornamentals, and shade trees. Very reasonable rates. Call Mike, 827-7087.

FREE

PLASTIC CONTAINERS: M.C. Fernald's has 2-gallon buckets; 1-gallon containers; and No. 5-gallon buckets. Help yourself.

WANTED:

HOUSESITTING POSITION: Middle-aged graduate student seeks housesitting position, May 1998-May 1999. Call 581-8746

HOUSING: Faculty member and family (+ 2 cats, 1 dog, all well-behaved) looking for house (minimum 3 BRs) to lease on long-term basis beginning June 1. Natural lighting and a yard preferred. References can be supplied. Call 866-0622.

HOUSING: New assistant professor and wife seek rental to commence mid-to late-summer 1998. No children, non-smokers. Call collect, 804-285-0106 (Vir.) or email ajenson@mcgraw-hill.com

TICKET SALES TO BENEFIT ALTERNATIVE BREAK

The UMaine LET'S Volunteer Alternative Spring Break Program will be selling tickets to the Penobscot Theatre Company's opening night performance of *Angels in America: Millennium Approaches*. The performance is 7 p.m., April 30.

The ticket sale is one of many fund-raising activities of UMaine's Alternative Break Program. Last month, 18 UMaine students and two staff persons traveled to Mt. Pleasant, S.C., to spend a week doing home repairs for persons in need, working under the auspices of the United Methodist Relief Center. Money raised is earmarked for sending even more UMaine volunteers on Alternative Break next year.

Tickets will be available in the Union Lobby April 14-16, 10 a.m.-2 p.m., or from members of the LET's Volunteer Alternative Spring Break program. For more information, call 581-4194.

Oral Exams

"Program Evaluation of Acadia Home Care: Impact of Managed Care on Patient Care," by Deborah Roix, candidate for master's degree in nursing, Family Nurse Practitioners Program, 10 a.m., April 15, 201 Dunn Hall.

"Health Illiteracy," by Kathleen Childs, candidate for master's degree in nursing, 10 a.m., April 15, 202 Dunn Hall.

"A Neuro-fuzzy System for Prediction of Pulp Digester K-Number," by Geoffrey Smith, candidate for master's degree in electrical engineering, 2 p.m., April 15, 152 Barrows Hall.

"The Termination of the Last Ice Age in the Mid-Latitudes of South America," by Patricio Moreno, candidate for Ph.D. in plant biology, 2 p.m., April 15, 100 Global Sciences Center.

"Kicking the Cat: Distal Influences on Aversive Parenting Behavior," by Nansi White, master's degree candidate, 1 p.m., April 17, 19 Merrill Hall.

"A Profile of the Specialty Food Retailing Industry in the Eastern U.S.," by David Crabtree, candidate for master's degree in resource economics and policy, 1:15 p.m., April 17, Conference Room, Winslow Hall.

"Methodologies to Derive Soil Cleanup Levels at Contaminated Sites," by Venkatesh Uddameri, candidate for Ph.D. in civil and environmental engineering, 1:30 p.m., April 17, 428 Aubert Hall.

"Modeling Effects of Food and Harvests on Female Black Bear Populations," by Craig McLaughlin, candidate for Ph.D. in wildlife ecology, 2 p.m., April 17, 102 Nutting Hall.

"The Impact of a Holistic Literacy Learning Environment for Children with Severe Multiple and Emotional/Behavioral Disabilities," by Rose Casement, candidate for Ed.D., 4 p.m., April 17, 100 Shibles Hall.

"The Paleocological History of Appleton Bog, Maine, with Preserve Management Recommendations to Perpetuate Atlantic White Cedar," by Richard Jack, ecology and environmental science, 1 p.m., April 20, 101C Deering Hall.

"The Theoretical and Experimental Aspects of Non-Ideal Normal Metal/Superconductor Point Contacts," by Eugene Slobodzin, candidate for Ph.D. in physics, 3 p.m., April 21, 114 Bennett Hall.

"Mentoring in Advanced Practice Nursing," by Julie Kingsbury, candidate for master's degree in nursing, Family Nurse Practitioners Program, 8 a.m., April 22, 201 Dunn Hall.

"Sacred Dance as Human Expression in a Healing Community," by Mary McGraw, candidate for master's degree in liberal studies, 9:45 a.m., April 22, 224 Class of 1944 Hall.

"A 2-D Coupled Atmosphere-Ocean Model Study of Air-Sea Interaction Processes During a Cold Air Advection Over the Gulf Stream," by Ziqin Pan, candidate for master's degree in oceanography, 1 p.m., April 22, 102 Nutting Hall.

"Senior Compu-Health: An On-Line Community Resource Directory for the Elderly," by Donna Bilodeau and Shelley Moore-Littlefield, candidates for master's degrees in nursing, Rural Health Family Nurse Practitioners Program, 4:10 p.m., April 22, 224 Dunn Hall.

"Putting Our Practice Where Our Paradigms Are: Women Educators Test Their Vision and Voice in a Summer Literacy Internship," by Judith Brown, candidate for Ed.D. in literacy education, 1 p.m., April 23, 159 Shibles Hall.

"An Evaluation of Pulp Sludge as a Component in Manufactured Topsoils," by Andrew Carpenter, candidate for master's degree in plant, soil and environmental science, 2 p.m., April 23, 113 Deering Hall.

"Myoglobin Deficiency in the Hearts of Four Fish Species Found in the Gulf of Maine," by Theresa Grove, candidate for master's degree in zoology, 2 p.m., April 23, 106 Murray Hall.

"Field Trials Using Tire Shreds as Bridge Abutment Backfill," by Tricia Cosgrove, candidate for master's degree in civil engineering, 3 p.m., April 23, 125 Barrows Hall.

"Investigation of Shifted Bit Dependent Error in Analog-to-Digital Converters," by Eric Swanson, candidate for master's degree in electrical engineering, 3:10 p.m., April 23, 152 Barrows Hall.

"The Influence of *Littorina Littorea* on the Distribution of *Polysiphonia Lanosa* in the Damariscotta River Estuary, Maine," by Sheri Emerson, candidate for master's degree in botany and plant pathology, 10 a.m., April 24, 101A Deering Hall.

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.

Assistant Professor of Forestry, Department of Forest Management. Nine-month, full-time, tenure-track position (50% professional development/continuing education, 30% teaching, and 20% research). Qualifications: Required: B.S. in forestry (or other degree accredited by the Society of American Foresters as a first degree in forestry); Ph.D. in forest resources. Preferred: Previous teaching and research experience. Review of Applications: Will begin 7/1/98 and will continue until a suitable candidate is found. Position Availability: 9/1/98. Contact: Send resume, transcripts of all relevant academic work, and names and addresses of three references to: David Field, Chair, Department of Forest Management, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755. Telephone: (207)581-2856; Fax: (207)581-2875; e-mail: field@umenfa.maine.edu

Research Assistant, Holt Research Forest and Department of Wildlife Ecology. Soft money, half-time professional position based in Arrowsic, Maine. Qualifications: Required: B.S. degree and field experience in forestry, wildlife, or related field; ability to conduct research in appropriate field settings; excellent communications and interpersonal skills; ability to work as part of a team; high level of self-direction and organization; and PC-computer skills. The position involves occasional travel to Orono. Preferred: Familiarity with database managements, GIS, or statistical software and a knowledge of Maine flora and fauna. Salary: \$916.67 to \$1,051.78 monthly, depending on qualifications and experience. Review of Applications: Will begin 4/15/98. Start Date: 5/98. Contact: Send letter of interest, resume, and list of three professional references (names, addresses, and phone numbers) to: Jack Witham, Associate Scientist, Holt Research Forest - RA, HC 33, Box 309, Arrowsic, ME 04530.

Assistant Women's Basketball Coach, Department of Athletics. Part-time, 10-month position. Qualifications: Bachelor's degree; coaching and/or playing experience in Division I level, specifically, experience in coaching post players. Review of Applications: Will begin 5/4/98. Start Date: 9/1/98. Contact: Send resume and letter of application to: Joanne Palombo, Head Coach, 5747 Memorial Gym, Orono, ME 04469-5747.

Assistant Professor for Innovative Program in Educational Leadership, College of Education and Human Development. Tenure-track position. Qualifications: Earned doctorate in educational leadership, administration, or a related field. Demonstration of successful facilitation of leadership development; a strong background in school system leadership; knowledge of organizational theory and its link to the practice of school leadership and school improvement; understanding of issues of diversity and inclusivity in educational organizations; successful teaching and advising at the graduate level; and a capacity for research and writing. Review of Applications: Will begin 5/1/98 and continue until the position is filled. Start Date: 9/98. Contact: Send letter of application addressing each of the qualifications listed above, placement file with transcripts, three letters of recommendation, and a vita to: Gordon Donaldson and Anne-Marie Read, Educational Leadership Search Committee, University of Maine, 5766 Shibbes Hall, Orono, ME 04469-5766.

GRADUATE ASSISTANTSHIP - GRADUATE CENTER, ESTABROOKE HALL

Graduate assistant will plan and coordinate activities in the Graduate Center, as well as oversee the Center's computer cluster, office equipment, and other resources. Award consists of an academic-year stipend of \$7,025, with a possibility of extension through summer 1999, a tuition waiver up to 9 credit hours per semester, and room and board. Applicants must be regularly admitted full-time graduate students and must be willing to live in Estabrooke Hall. Qualifications include strong interpersonal skills, knowledge of UMaine, and understanding of personal computer basics.

Applications should include resume and two letters of recommendation. Send applications to: Graduate School, 5782 Winslow Hall, Room 2, Attn: Dottie Poisson. Deadline: April 17. Duties commence Aug. 17.

Journal of Phycology Editorial Assistant, School of Marine Sciences. Full-time position, initially for one year, but renewable annually through 8/31/01, dependent upon availability of funds and satisfactory performance. Qualifications: B.A. or B.S., with a preference to applicants with specific experience in algal biology; excellent command of written and spoken English; good computer skills, as much of the correspondence and processing of manuscripts will be electronic. Salary: \$20,000. Deadline for Applications: 4/22/98. Contact: Send C.V. and letter to: Susan Brawley, Editor, *Journal of Phycology*, School of Marine Sciences, University of Maine, Room 202, 5722 Deering Hall, Orono, ME 04469-5722. Please have three letters of recommendation sent directly to Brawley. Funded by the Phycological Society of America. Telephone: (207)581-2895. e-mail: jphycol@maine.maine.edu

Graduate Work-Study Student (Coordinator for the Support for Science Students Program-S³), College of Natural Sciences, Forestry, and Agriculture. Twenty-hour-per-week, academic-year position. Duties: Oversee and conduct the activities of the S³ Program: arranging tutoring/ study groups; organizing seminars with faculty and students; arranging and publicizing program events; recruiting students to the program; recruiting student assistants and tutors; working with the S³ Faculty Advisory Board; and handling some administrative tasks for the program. Qualifications: Computer and communication skills highly desirable. Deadline for Applications: 4/20/98. Start Date: 8/15/98. Salary: Stipend of \$7,025 for the year, and in addition a tuition waiver of up to 6 credit hours per semester. Contact: Submit resume to: David Batuski, Department of Physics and Astronomy, 313 Bennett Hall.

Technology Coordinator, Maine Educational Opportunity Center. With reappointment contingent upon external funding (Standard Work Year: Oct. 1-Sept. 30). Qualifications: Required: Bachelor's degree, master's preferred, in technology education or a related field. Strong background working with Internet publications and database applications; previous experience with Macintosh OS computers and networks, technology training, as well as strong organizational, interpersonal, verbal and excellent written communications; strong self-motivation and the ability to work independently. Frequent travel normally requiring a driver's license and must have access to a vehicle. Preferred: Preference given to individuals who have succeeded in overcoming the disadvantages of circumstances like those of the population of the project participants. Highly Desirable: Experience with FileMaker, HTML coding and the First Class Conference System. Salary Range: \$28,840-\$33,990 commensurate with experience. Review of Applications: Began 4/10/98. Projected Start Date: 5/98. Contact: Send resume, letter of application, and the names and current phone numbers of three references to: Search Committee, Maine Educational Opportunity Center, University of Maine, Room 306, 5713 Chadbourne Hall, Orono, ME 04469-5713.

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.

RESIDENT DIRECTOR/GRADUATE ASSISTANTSHIP

Responsibilities: Develop an inclusive scholarly community in a building housing 100-250 students; supervise 3-8 undergraduate student staff; coordinate programming; advise hall governing board; conduct judicial, administrative and building management operations; participate in department committees.

Requirements: Baccalaureate degree; admission into a full-time graduate program without condition; prior leadership experience.

Remuneration: Furnished apartment; meal plan when classes are in session; 18 credit-hour tuition waiver per academic year; \$5,500 stipend; 10-month live-in position with some summer employment available; limited benefits for partners included.

Contact: Bev Uhlenhake, RD Recruitment and Selection Committee, 5734 Hilltop Commons, Orono, ME 04469-5734. Telephone: x4801. Fax: x4714.

Centers for Disease Control and Prevention and National Institutes of Health jointly support research and demonstration projects, including pilot studies, in targeted areas of occupational health and safety. Among the FY98 priorities are intervention effectiveness, social and economic consequences of workplace illness and injury, and risk factors for special

populations of workers. Letters of intent are due May 1; applications, June 23.

The Nature Conservancy makes matching Ecosystem Research Grants for investigations applicable to TNC's conservation programs, relevant to critical conservation questions, and valuable to conservation management. Preproposals are due May 29.

US Department of Defense's FY99 Multidisciplinary Research Program of the University Research Initiative identifies 13 topics of interest in the areas of nanoscience, biomimetics, compact power sources, and mobile wireless communications. Preliminary white papers are due June 11.

National Institute of Justice invites investigator-initiated research on any topic relevant to State and/or local

criminal justice policy or practice. Interests include violent crime, alcohol- and drug-related crime, community crime prevention, criminal justice system improvement, forensic science, and technology development. Deadlines: June 16, Dec. 15.

Environmental Protection Agency seeks proposals for cooperative agreements to conduct research on the development of methods for integrating economic assessment and ecological risk assessment. Projects should propose ecological-economic research to be conducted in collaboration with an ongoing ecological risk assessment conducted by EPA or other parties. Deadline: July 15.

National Science Foundation's Directorate for Biological Sciences requests use of the FastLane System to submit at least the cover page and project summary of any proposal to the programs in any of its Divisions, as of June 1, 1998. Investigators planning such submissions are urged to familiarize themselves with the FastLane System now, and to plan submission of the required proposal components well in advance of a deadline or target date.

For more information, call Research & Sponsored Programs, x1476, or visit our website at <http://www.ume.maine.edu/~spd/index.html>

Look for UMaine's Master Calendar on FirstClass, the Web

The University of Maine Master Calendar can be located on the Web (www.ume.maine.edu/~paffairs/perspectiveweb/mastercalendar.html). In addition, the Master Calendar is available on FirstClass. It is found in two folders - News Stand and Campus Activities.

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 further information please contact: John Ford, Maine Business School, 209 Corbett Business Building; 581-1971; johnford@maine.edu

POSITIONS OPEN ON PRESIDENT'S COUNCIL ON WOMEN

The President's Council on Women seeks to fill three positions for terms beginning in September 1998. The positions are for two faculty members and one undergraduate student.

The Council on Women is appointed by, and reports to, the President. Its responsibilities include: establishing an agenda each year to define and focus on issues affecting women at the University; reviewing University data and reports relative to women; recommending strategies to enhance the representation, participation, and recognition of women at the University; and providing information to the community.

Nominations, including self-nominations, are welcome. For more information, or to make a nomination, contact Sandy Caron (x3138) or Nancy Lewis (x3613), co-chairs. The Council's web page at <http://www.ume.maine.edu/~PCW/>

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC) Training/Orientation Program

The spring offering of the IACUC biannual training/orientation program will be Wednesday, April 29 (Maine Day), 1-2:30 p.m., 427 Corbett Hall. People who have attended previous training sessions need not 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.

Contact Gayle Anderson, x1498, for registration information.

Protocol and Meetings

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 spring 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 Policy and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, x1498. **IACUC meeting dates: April 27 and June 8.**

What's Ahead



**PHI BETA KAPPA ANNUAL
INDUCTION CEREMONY
April 16**

**LATINO HERITAGE
CELEBRATION
April 18**

**TAKE OUR DAUGHTERS TO
WORK DAY
April 23**

**ACADEMIC HONORS
CONVOCATION
April 27**

**COMMENCEMENT
May 9**

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