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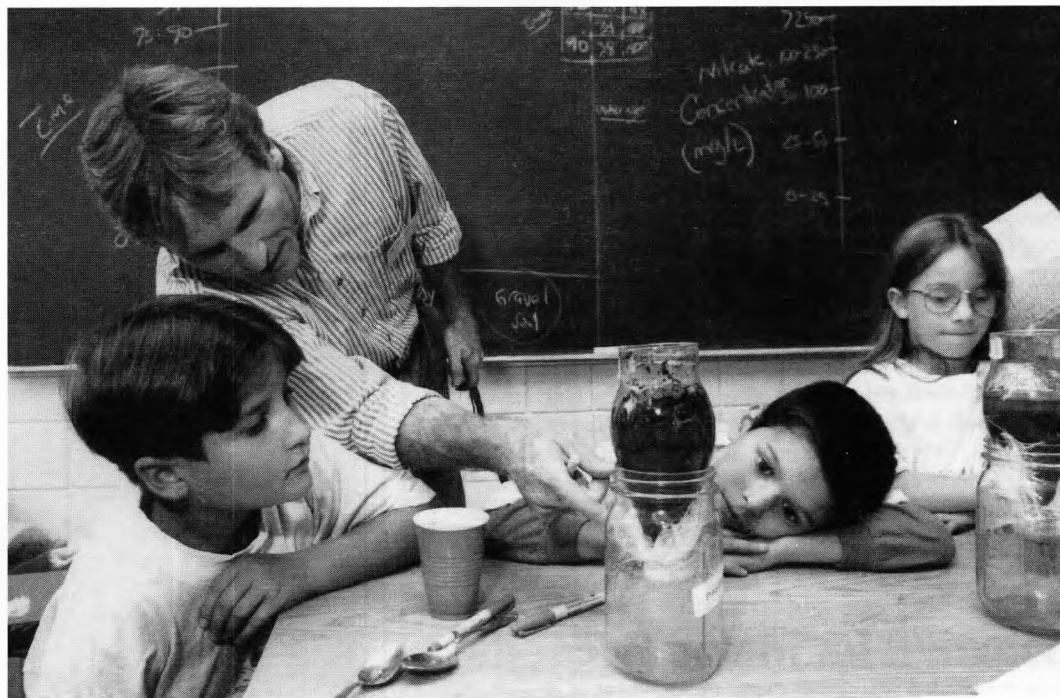
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Maine Perspective



The second annual Children's Water Festival, sponsored by the Maine Department of Environmental Protection and the UMaine Water Research Institute, brought nearly 900 elementary school students from northern and Downeast Maine to campus for a day of activities designed to make students aware of the importance of water resources and potential threats to water quality. Activities were conducted by professionals from 26 public and private organizations with water-related responsibilities, including a session led by John Jemison, water quality specialist with Cooperative Extension, called: "Get on the Ni-Train - Water Picks Up Passengers on Its Way through the Soil."

Photo by Diane Vatne

UMaine Researchers Involved in Development of High-Performance Construction Panels

The University of Maine's wood science and technology program has nailed down a new partnership with Brunswick Technologies Inc. (BTI), whose development of composite manufacturing processes and products has made it one of the fastest growing firms in Maine. The project could lead to new construction products, manufacturing jobs for the state and an expanded research focus for faculty and students.

The goal is a marketable high-performance

construction panel which is lighter and stronger than existing materials such as plywood and Oriented Strand Board.

Stephen Shaler, associate professor of wood sciences and technology, and Habib Dagher, associate professor of civil and environmental engineering, will work with BTI to evaluate designs for hybrid construction panels made of wood and fiber-reinforced polymers. The \$170,000 project

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Study Finds Teen Drug Use Higher than Expected

Maine teens are increasing their use of alcohol, tobacco and marijuana despite the overwhelming perception among them that such use is wrong, according to a new report by Robert Dana, associate director of Student Health and Prevention Services at the University of Maine.

The report, funded by the State of Maine Office of Substance Abuse, is based on surveys returned last spring by 7,477 6th-12th graders selected from schools in every Maine county. UMaine's Margaret Chase Smith Center for Public Policy administered the survey - the third such check-up on drug use and associated perceptions among Maine teenagers in the last seven years. Previous surveys were conducted in 1988 and 1992.

"The use and abuse of alcohol, tobacco and other drugs continues to be a significant problem for American youth," Dana notes. "I was

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In Perspective

- 2 Non-discrimination Policy Reaffirmed**
- 6 People in Perspective**
- 7 Public Higher Education Conference**
- 8 In Focus: Healthy Foods, Healthy Soils**

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

Hutchinson Reaffirms UMaine Non-discrimination Policy

Statement of President Frederick E. Hutchinson regarding the University of Maine's non-discrimination policy and Question #1 on Maine's Nov. 7 referendum ballot.

As an institution, the University of Maine does not take stands on referenda issues unless it or the University of Maine System is explicitly the focus of a ballot question. However, it should be noted that for several years the University of Maine has had a policy in place which prohibits discrimination on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, handicap, or veteran status in employment, education, and all other areas of the University. The institution is strongly committed to its existing policy and believes now, as it did when the policy was adopted, that discrimination is antithetical to the values of an academic institution. The University opposes any action that could preclude the University from maintaining its existing non-discrimination policy. ▲

Campaign for Maine Exceeds Goal, Raises \$68.3 Million

The University of Maine marked the successful completion of its first comprehensive and largest fund-raising campaign last week with a press conference.

The five-and-a-half year, \$54.4 million Campaign for Maine exceeded its goal, raising \$68.3 million channeled into new construction of key buildings, scholarship endowment, faculty and research development, equipment, student support services and completion of several capital projects.

"Today's announcement has significance in ways that reach beyond the immediate impact of the philanthropy demonstrated by our donors," said Hutchinson at the press conference. "The success of this campaign will ripple out to students for years to come. This success has also given us confirmation that the role of private giving to the University of Maine can, and is, playing an integral part in the financial strength of the University."

The University committed in 1988 to a campaign to raise \$50 million in private support in the priority areas. The expansion of Alford Arena was added later, raising the goal to \$54.4 million.

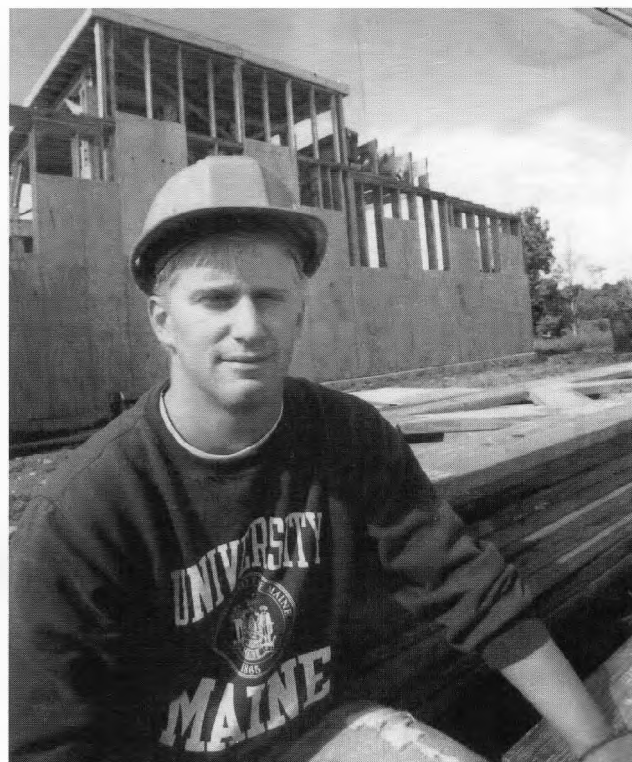
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HEARINGS SCHEDULED ON THE SCHOOL OF MARINE SCIENCES PROPOSAL

The Faculty Senate's Finance and Institutional Planning Committee will conduct hearings on a proposal to establish a School of Marine Sciences. The proposal was put forth earlier this year by the University's Marine Sciences Task Force.

Three hearings have been scheduled; two remain. They are Monday, Oct. 30, and Monday, Nov. 6, both from 3-5 p.m. in the Bangor Lounge, Union.

According to James Warhola, chair of the Finance and Institutional Planning Committee, the hearings are informational sessions open to the University community. The Committee is expected to make a recommendation to the Faculty Senate's meeting of elected senators on Nov. 15. The full Senate is expected to take up debate on the recommendation into December, with a Faculty Senate recommendation to be made to President Fred Hutchinson as early as Jan. 1.



Graduate student John Poulin's research on reinforcing glued-laminated timber beams with fiber-reinforced plastics requires him to use the Department of Civil and Environmental Engineering's structural testing facility off Rangeley Road. But because the facility is out-of-doors, his work and that of other students and faculty at the test site has been seasonal. That's why Poulin has been working with other civil and environmental engineering students since last July to construct a building to cover the 2,000-square-foot facility – a 22-foot-high steel frame with a capacity of 200 tons used to test bridge timber strength. The students are working for Habib Dagher, associate professor of civil and environmental engineering, to construct the building. Almost all of the materials used to construct the wood frame and roof have been taken from a full scale timber bridge that was tested in the facility. Completion of the project will extend the period of time each year during which the facility can be used for research, in addition to protecting the equipment from inclement weather. According to Poulin, the walls of plywood and plexiglass are nearing completion, and construction is expected to be finished in coming weeks. Poulin is working with four civil engineering undergraduates on the construction project: senior Vaughan Woodruff, and sophomores Adam White, Joe Howe and Al Putnam. *Photo by Tim Boyd*

Maine Perspective

Maine Perspective is published by the Department of Public Affairs
University of Maine • 5761 Public Affairs Building
Orono, Maine 04469-5761 • 207/581-3745

Director of Public Affairs John Diamond • Executive Editor Margaret Nagle

Layout and Design by University of Maine Department of Public Affairs
Printed by University of Maine Printing Services

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University of
Maine

UMaine Calendar

OCT. 25 – NOV. 5

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 AT LEAST TWO WEEKS in advance. Deadline for each issue: 9 a.m. Friday. For more information, call x3745.

25 Wednesday

"Electronic Job Search," a Career Center Job Search Workshop, 8:30 a.m., Oct. 25, 121 Lengyel Computer Cluster. Preregistration. x1359.

**University of Maine
Department of Public Affairs
and
UMaine Printing Services
OPEN HOUSE
11 a.m.-2 p.m.**

**Wednesday, Oct. 25
Public Affairs Building,
Rangeley Road**

Tour the Department and Print Shop, and learn more about the many services available to the University community. Sign up for free personalized notepads!

"Photographs, DNA and Satellites: 15 Years of Right Whale Research," by Moira Brown, College of the Atlantic, part of the Wildlife Ecology Seminar Series, noon, Oct. 25, 257 Nutting Hall. x2862.

"Japanese Poetry: Haiku, Hiroshima and After," part of the Poetry Free Zone series, noon, Oct. 25, Honors Center.

"Will Maine Discriminate? What Defeating the Referendum Will or Won't Do for Women," featuring attorney Susan Farnsworth, state Sen. Susan Longley, Ellen Werner of Maine Won't Discriminate, Shannon Fisher of the UMaine chapter of Maine Won't Discriminate, and Suzanne Estler, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Oct. 25, Bangor Lounge, Union. x1228.

Men's Soccer: UMaine vs. Dartmouth, 2 p.m., Oct. 25. xBEAR.

"Grant Information on the Internet," an Internet Class offered by Fogler Library, 2-3:30 p.m., Oct. 25, Fogler Instructional Center. Preregistration. x1675.

"To Obey or Not to Obey, That Is the Question," by Linda Yelland, part of Peace Week '95, 3 p.m., Oct. 25, Bangor Lounge, Union. x2609.

"Windows Internet Tools," a CAPS seminar by Betty Johnson, 3-5 p.m., Oct. 25, 107 Corbett Business Building. x3517.

Faculty Senate Meeting, 3:15 p.m., Oct. 25, Lown Rooms, Union. x1167.

"Note Taking," by Gerald Ellis, part of the Study Skills Program series, 3:15 p.m., Oct. 25, FFA Room, Union. x1820.

"The Mechanism of Action of Insulin," by Philip Cohen, University of Dundee, Scotland, part of the Staples Lecture in Biochemistry, 4:30 p.m., Oct. 25, 100 Corbett Business Building. x2822.

"Emerging Viruses, Including E. Bola and a Variety of South American Hemorrhagic Fever Viruses," by Kirk Doing, offered by S³ - Support for Science Students, 7 p.m., Oct. 25, fourth-floor lounge, Oxford Hall. x3849.

Movie: *It Came from Outer Space,* offered by the Union Board, 7:30 p.m., Oct. 25, 101 Neville Hall. x1734.

26 Thursday

"Feeding Cattle Economically," an ITV Cooperative Extension program by Stacey Gunter and Cal Walker, part of the Extension Connection series, 11 a.m.-1 p.m., Oct. 26, 207 Shibles Hall and 10 other viewing sites in the state. 800-287-7170.

"Conflict Resolution 101," a workshop by Rhonda Brooks-Reilly and Kelley Pendleton, Alternative Dispute Resolution coordinators, part of Peace Week '95, 12:30 p.m., Oct. 26, FFA Room, Union. x2609.

"The Arts and Public Funding: Necessary, Necessary Evil or Evil?" a panel discussion moderated by Owen Smith, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Oct. 26, Bangor Lounge, Union. x3860.

Love, Ety: *The Journal of Ety Hillesum,* a two-act Holocaust play performed by Jane Smith Bernhardt, part of Peace Week '95, 7:30 p.m., Oct. 26, Damn Yankee, Union. Discussion and reception follow. x2609.

27 Friday

"Faces of the Enemy," a video presentation and discussion led by Bob Whelan, part of Peace Week '95, noon, Oct. 27, Bangor Lounge, Union. x2609.

"Excel Charting," a CIT Mac Workshop, 9-11 a.m., Oct. 27, Fogler Library Classroom. Admission fee/registration required. x1638.

Sticky Tape Theatre Company will present *Tales of Poe*, three works by Edgar Allen Poe, at the Ram's Horn, 7 p.m., Friday, Oct. 27, and 2 p.m., Saturday, Oct. 28. Admission fee is 50 cents; free for those in costume and for children. Parking available in York Village parking lot. For information, call 945-9218.

"Current Activities at the Maine Office of GIS," by Dan Walters, Maine OGIS, part of the Forestry Noon-time Seminar Series., noon, Oct. 27, 204 Nutting Hall. x2831.

28 Saturday

Thursday Club Travel Group Meeting, featuring a talk on South America by Mari-Carmen Sandweiss, 10 a.m., Oct. 28. 866-3687.

Men's Soccer: UMaine vs. Northeastern, 1 p.m., Oct. 28. xBEAR.

Movie: *The Brady Bunch,* offered by the Union Board, 6:30 p.m. and 9:15 p.m., Oct. 28, 100 Corbett Business Building. Admission fee.

30 Monday

"Conservation and Management of Maine's Amphibians and Reptiles," by Mark McCollough, Inland Fisheries and Wildlife, part of the Wildlife Ecology Seminar Series, noon, Oct. 30, 204 Nutting Hall. x2862.

Hearing on the Proposed School of Marine Sciences, conducted by Faculty Senate's Finance and Institutional Planning Committee, 3-5 p.m., Oct. 30, Bangor Lounge, Union. x1878.

Reception and Television Coverage of Québec Referendum, part of Canada Week at UMaine, 7 p.m., Oct. 30, Canadian-American Center. x4220.

31 Tuesday

"After the Referendum: The Future of Québec-Canada-U.S. Relations," by Joseph Jockel, professor of Canadian Studies, St. Lawrence University, part of Canada Week at UMaine, noon, Oct. 31, Bodwell Area, Maine Center for the Arts. x4220.

"A Choice for Love and Justice," a Study Circle for dialogue and study around four different perspectives on civil rights for lesbian, gay, bisexual persons, facilitated by Rev. Deborah Adams, offered by Orono Campus Ministries and the Religious Affairs Committee, noon-1:30 p.m., Oct. 31, Ham Room, Union. 866-4227.

"Hull House and Birth Control: The Untold Story," by Diane Haslett, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Oct. 31, Bangor Lounge, Union. x1228.

DON'T FORGET TO CHECK THE ONGOING EVENTS LISTINGS ON PAGE 4.

Ongoing Events

Academic Activities/Events

Canada Week at UMaine, Oct. 30-Nov. 3.

Higher Education Conference, Nov. 1-2.

Conferences/Seminars/Workshops

Do-It-Yourself Science and Engineering Database Searching Workshops, 1-2:30 p.m., Oct. 25, Science and Engineering Center Office; 10-11:30 a.m., Nov. 6, Science and Engineering Center Office; 1-2:30 p.m., Nov. 17, Science and Engineering Center Office, all in Fogler Library. Registration required. x1678.

Do-It-Yourself Social Sciences and Humanities Database Searching Workshops, 1-2:30 p.m., Oct. 24; 3-4:30 p.m., Nov. 6; 9-10:30 a.m., Nov. 29; 1-2:30 p.m., Dec. 14, Reference Department Office, Fogler Library. Registration required. x3611.

"Introduction to URSUS," an Internet class offered by Fogler Library, 10-11:30 a.m., Oct. 24; 10-11:30 a.m. and 6-7:30 p.m., Nov. 2; 2-3:30 p.m., Nov. 15, Fogler Instructional Center. Preregistration. x1675.

"Navigating the Internet," an Internet Class offered by Fogler Library, 2-4 p.m., Nov. 14; 2-4 p.m., Dec. 4, Fogler Instructional Center. Preregistration. x1675.

"Bibliographic Management of Files, Part I," an Internet Class offered by Fogler Library, 2-3:30 p.m., Oct. 24; 10-11:30 a.m., Dec. 6, Fogler Instructional Center. Preregistration. x1675.

"Bibliographic Management of Files, Part II," an Internet Class offered by Fogler Library, 2-4 p.m., Oct. 26; 10 a.m.-noon, Dec. 8, Fogler Instructional Center. Preregistration. x1675.

Entertainment

Table Manners, a humorous play by Alan Ayckbourn, directed by Norman Wilkinson, part of the Maine Masque Series of the School of Performing Arts, 8 p.m., Oct. 27-28; 1 p.m., Oct. 28; 2 p.m., Oct. 29, Cyrus Pavilion. Admission fee. x1773.

"Night World," a Planetarium show, 2 p.m. Sundays, through Nov. 17, Wingate Hall. Admission fee. x1341.

"Our Place in Space," a Planetarium show, 7 p.m. Fridays, through Nov. 17, Wingate Hall. Admission fee. x1341.

Children of a Lesser God, a theatrical performance, part of the Maine Center for the Arts performance season, 7 p.m., Nov. 12; 10 a.m., Nov. 13, Hutchins Concert Hall. Admission fee. x1755.

Exhibits/Demonstrations/Tours

Tree and Tradition: Brown Ash and Maine Native American Basketmaking, a Hudson

Museum exhibit, opening Oct. 24, Maine Center for the Arts. x1901.

Maine, a Peopled Landscape: Salt and the Documentary Tradition in American Photography, a Hudson Museum exhibit, Oct. 24-Jan. 14, Maine Center for the Arts. x1901.

Visible Voices: Spruce Run Domestic Violence Exhibition, a University of Maine Museum of Art exhibit, through Oct. 31, Graphics Gallery, Union. x3255.

Balinese Rubbings, a University of Maine Museum of Art exhibit, Nov. 3-Dec. 31, Graphics Gallery, Union. x3255.

Collection Choices, a University of Maine Museum of Art exhibit, through Nov. 3, 1938 Gallery, Carnegie Hall. x3255.

Richard Derby Tucker: Paintings, a University of Maine Museum of Art exhibit, through Nov. 3, Carnegie Gallery, Carnegie Hall. x3255.

Particular Places: Two Maine Visual Artists, a University of Maine Museum of Art exhibit, through Nov. 10, Hauck Auditorium Gallery, Union. x3255.

The World From Many Perspectives: Maps, a University of Maine Museum of Art exhibit, through Nov. 30, Hole in the Wall Gallery, Union. x3255.

Maine Forest and Logging Museum - Leonard's Mills, a water-powered sawmill community site, open daily 9 a.m.-4 p.m., with guided tours available, Bradley. x2871.

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

Peace Corps General Information Meetings, 7 p.m., Nov. 13 and Dec. 11, all in Sutton Lounge, Union. x1633.

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

Peace Corps Office open 1-4 p.m., Monday; 10 a.m.-2 p.m., Wednesday; 9-11 a.m., Friday, or by appointment, Career Center, Chadbourne Hall. x1633.

Maine Peace Action Committee meets every Tuesday, 6 p.m., Virtue Room, Maples. x3860.

Women's Center, open to all students interested in sharing opinions, responses and ideas concerning women's issues, meets every Wednesday, 3-4:30 p.m., Women's Resource Center, 101 Fernald Hall. x1508.

PEAC - Professional Employees Advisory Council, meets the first Thursday of every month, FFA Room, Union.

Association of Graduate Students meets twice a month, noon, Lown Rooms, Union. x4548.

Nontraditional Student Coffee Hour, every Thursday, 3 p.m., Commuter Lounge, Union. x1820.

Prisoners of Gender, every Friday, 1:15 p.m., Davis Room, Union. 827-8118.

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

Religious Worship

Newman Center/Our Lady of Wisdom Parish Weekly Liturgy: Sunday, 9:30 a.m. and 6:15 p.m., Newman Center, 11:30 p.m., Bangor Lounge, Union; Monday-Thursday, 4:45 p.m., Newman Center. 866-2155.

Orono Friends Meeting (Quaker), every Sunday, 10 a.m., Orono Community Center, Bennoch Road. 942-7255.

Circle of Celebration - Protestant Ecumenical Worship, offered by the Wilson Center, 5 p.m., Sunday, Drummond Chapel. 866-4227.

Hindu Prayer Meeting, contact Arvind Sharma, 866-0304.

Ecumenical Brown Bag, African Bible Study, Book Studies, Fireside Chats with faculty and staff regarding their spiritual vocations here in academia, led by Rev. Deborah Adams, every Monday, noon-1 p.m., Memorial Room, Union. 866-4227.

Taste of Home Potluck, bring a favorite dish to share, every Thursday, 5:30 p.m., Wilson Center, 67 College Ave. 866-4227.

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

Wilson Center, open as a place for solitude, study and gathering, 8 a.m.-9 p.m., daily. 866-4227.

Miscellaneous

Progoff Intensive Journal Program: Journal Writing Part I, offered by Linda Bennett, trained Dialogue House Associated facilitator, Oct. 27-29, Wilson Center, 67 College Ave., Orono. Registration/tuition. 866-4227.

Maynard F. Jordan Observatory open 8-10 p.m. Fridays, Saturdays and Sundays when skies are clear. x1341.

Orono Farmers' Market, every Saturday and Tuesday, 8 a.m. until sold out, through Oct. 31, Steam Plant parking lot. 866-4784.

Study Abroad Resource Room, open 9-11 a.m., and 1-3 p.m., Monday-Friday, third floor, the Maples. x2905.

Fall Hayrides, Leonard's Mills, Bradley, offered by the Maine Forest and Logging Museum. 947-8783 or 947-8838.

"Trick or Treat: Balancing School and Home Life," by Maxine Harrow, part of the NTS Topics Series, 12:15 p.m., Oct. 31, Davis Room, Union. x1820.

Conscious Aging, a filmed interview with author Gay Gaer Luce, followed by discussion led by Jean Symonds, part of the Thinking Allowed series, 12:30-1:30 p.m., Oct. 31, FFA Room, Union. x2394.

1 Wednesday

Health Fair, offered by the Health Impact Group and including pulmonary function testing, blood pressure screening and immunizations at minimal cost by the Maine Bureau of Health Immunization Program, 10 a.m.-3 p.m., Nov. 1, Lown Room, Union. x4194.

"Results of Québec Referendum," a panel discussion with Conde Grondin, professor of political science, University of New Brunswick; Jacques Ferland and Howard Cody of UMaine; and Anne Legaré of the Québec Delegation, Boston, part of Canada Week at UMaine, 1:30 p.m., Nov. 1, Bodwell Area, Maine Center for the Arts.

"Superlearning," by Clyde Folsom, part of the Study Skills Program series, 3:15 p.m., Nov. 1, FFA Room, Union. x1820.

"Lessons from the O.J. Simpson Trial," a panel discussion moderated by Kathryn Gaianguest with Steven Barkan, Steve Craig and attorney Marvin Glazier, offered by the Department of Sociology, 3:15-5 p.m., Nov. 1, Bangor Lounge, Union. x2381.

Application for December 1995 graduation, due in Office of Student Records, 100 Wingate Hall, 4:30 p.m., Nov. 1.

Big Band Bird, a celebration of Charlie Parker with Slide Hampton and the Jazz Masters, part of the Maine Center for the Arts performance season, 7 p.m., Nov. 1, Hutchins Concert Hall. Admission fee. x1755.

2 Thursday

"Working for Justice: Bringing Ferdinand Marcos to Trial," by Kraig Schwartz, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Nov. 2, Bangor Lounge, Union. x3860.

"Networking with the Maine Mentor Program," a Career Center Job Search Workshop, 2:10 p.m., Nov. 2, Chadbourne Hall. Preregistration. x1359.

Canada Week at UMaine Education Day, featuring a presentation: "Canadian Issues Today," by Conde Grondin, professor of political science, University of New Brunswick; and presentation of the third K-12 Educator's Award for outstanding teaching, 3:15-5:30 p.m., Nov. 2, Bodwell Area, Maine Center for the Arts. x4220.

"Writers Harvest: A National Reading for Hunger Relief," hosted by Diane Genthner and featuring Elaine Ford, Welch Everman, Constance Hunting, Sylvester Pollet, Kathleen Lignell, Ken Norris, Terry Crouch, Tina Passman and others, part of the Poetry Free Zone series, 7 p.m., Nov. 2, Honors Center, with proceeds from donations benefiting local hunger relief organizations.

3 Friday

"PageMaker Graphics/Layout," a CIT Mac Workshop, 9-11 a.m., Nov. 3, Fogler Library Classroom. Admission fee/registration required. x1638.

"Alternatives to Current National Forest Inventory Systems," by Paul Van Deusen, quantitative forest ecologist, NCASI, Tufts University, part of the Forestry Noon-time Seminar

Series., noon, Nov. 3, 257 Nutting Hall. x2831.

"Behavioral and Physiological Adaptations of Lobster to Estuaries," by Win Watson, University of New Hampshire, part of the Zoology/MFRI Joint Seminar Series, 3:10 p.m., Nov. 3, 102 Murray Hall. x2541.

4 Saturday

Men's Soccer: UMaine vs. Vermont, 10 a.m., Nov. 4. xBEAR.

Football: UMaine vs. Massachusetts, 12:30 p.m., Nov. 4. Admission fee. xBEAR.

Wilson Center Annual Dinner, featuring presentation of the Dorothy Clarke Wilson Peace Essay Award, Nov. 4, 67 College Ave. 866-4227.

5 Sunday

Bangor Symphony Orchestra in Concert, 3 p.m., Nov. 5, Hutchins Concert Hall. Admission fee. 942-5555. Free pre-concert lecture by David Klocko one hour before performance, Bodwell Area.

PEACE WEEK '95

50 Years Later - Looking Back, Moving On October 23-28

MONDAY

"Peace and World Religions," noon, Bangor Lounge, Union.
"Confronting Racism at UMaine," 3 p.m., Bangor Lounge, Union.

TUESDAY

"Homophobia as a Peace Issue," 12:30 p.m., Bangor Lounge, Union.
"Conversation with Bernard Lown and Friends," 3:30 p.m., Bangor Lounge, Union.

"Preparing for the Next Millennium: Legacies of the Atomic Age,"
keynote address by Dr. Bernard Lown, 7:30 p.m.,
100 Corbett Business Building.

WEDNESDAY

"Will Maine Discriminate? What Defeating the Referendum Will or Won't Do for Women," 12:15 p.m., Bangor Lounge, Union.
"To Obey or Not to Obey, That Is the Question," 3 p.m., Bangor Lounge.

THURSDAY

"Conflict Resolution 101," 12:30 p.m., FFA Room, Union.
Love, Ety: The Journal of Ety Hillesum, two-act play by Jane Smith Bernhardt, 7:30 p.m., Damn Yankee.

FRIDAY

"Faces of the Enemy," noon, Bangor Lounge, Union.

SATURDAY

Peace Research Symposium, 8:30 a.m.-6 p.m.

MONDAY-TUESDAY

Book Fair and "Test Your Peace Quotient" activity, 11 a.m.-7 p.m.
Peace Tables, 11 a.m.-3 p.m., all in the Union.

Dances We Do

Women, ages 35-55, are invited to participate in a six-week workshop called, "Dances We Do." The series will be held Monday evenings from 5:45-6:45 in Lengyel Dance Studio, beginning Oct. 30. This is a pilot project to explore the connections between movement and body image. The workshop is free and will be open to women of all ages on a space-available basis. Enrollment is limited to 20 people, so please register early. To register, or for more information, leave a message at 581-3193, days/evenings, or 285-7262, evenings. No dance experience necessary.

Oral Exams

"The Maine Door to Canada: Immigration to Canada Via Portland, Maine, 1907-1930," by Glenn Booth, candidate for master's degree in history, 2 p.m., Oct. 27, 175 Stevens Hall.

Diwali or Deepavali is one of the major festivals of Hindus worldwide. It is normally celebrated over a three-day period in October-November, around the time of October equinox. This year it falls on Monday, Oct. 23. The name Deepavali literally means a "row of lights." The festival is traditionally celebrated with thousands of flickering earthen oil lamps illuminating houses, and with fireworks, which add noise and color to the festive mood. It also is a time for family reunions, exchanging gifts, decorating houses, feasting, and wearing new clothes. The festival commemorates the ultimate triumph of good over evil. The goddess of prosperity, Lakshmi, is worshipped in Hindu homes on that day. In many parts of India, it also is a festival to welcome the new year, with the lights signifying hope and happiness.

People in Perspective

Jennifer McLeod has been a cataloger/database specialist in Fogler Library for the past two years – one of the many people behind the stacks who keep the state's largest library on the cutting edge of information services and technology.

This summer, McLeod volunteered for a job that has her in a unique spotlight. Now, in addition to working with national databases, McLeod is the “keeper” of the University of Maine web site on the Internet.

They call her UMaine's web wiz.

“At one point, the University of Maine World Wide Web Task Force talked of the need to hire a full-time person to manage the University's web site,” says McLeod, one of several Fogler staff members who serve on the Task Force. “We agreed there needed to be one person acting as a conduit for information and questions. I volunteered in mid-summer to fill in.

“As acting web wiz, I keep the pages up to date and the links accurate,” says McLeod. “I'm working with the Task Force so if people ask how to create their own homepages or if a department needs help, I field out questions to other members or refer them to the resources on campus. One person should not be making all the decisions on a project like this; guidance is the key. There is a lot more to it than I thought there could ever be.

“The best part of being a web wiz is knowing that I helped create something like the University's homepage, and I continue to help others create their own pages. The response has always been positive when I help someone. They are so glad, and that's the most rewarding.”

McLeod received her M.L.S. at Simmons College in 1993. “I was a biology major and worked full-time in the science library at Colby,” says McLeod. “I realized I liked the library more than the lab, helping people with bibliographic research.

McLeod joined the University community two years ago as a cataloger/database specialist for Fogler Library. In her work, McLeod uses national database records to catalog books being entered into URSUS. Her focus is on materials in the social and natural sciences, history, art, and even maps, microforms and computer files.

As a database specialist, McLeod works with the variety of

hardware and software found in the library. She has been a member of Fogler's web team, which has been creating web pages for the library prior to the establishment of the WWW Task Force.

“Lots of departments on campus have already created pages, but there has been no cohesiveness or University-feel,” says McLeod. “We did this to draw everyone together. The University's homepage was designed to give a feeling of Maine, and that the University is on the cutting edge and is at the head of computing and technology. In addition, we're developing a gateway to the Internet through the University homepage.

“We have already had inquiries from Taiwan and other places in world from people interested in coming for graduate study,” she says. “If they had not seen our pages, they may not have corresponded. Web pages are good for recruiting even in Maine with more and more high school seniors looking at sites on the Internet. If we have a nice look on the web, we may bring people here who may have gone elsewhere.”

In the first week the University web site was online, more than 3,800 accesses were recorded from around the world; in the first three weeks of its establishment, more than 10,600 Internet users accessed the University's homepage.

From the campus community, McLeod fields a handful of calls daily. Some are non-web-specific queries about e-mail addresses, but most are along the lines of: How can I get my department online? How can I become involved?

“When people call to get help with their own homepages, we suggest they pick one person to be the developer and contact person, and to develop their own atmosphere to their pages,” says McLeod. “We suggest certain graphics, including the University seal, to indicate that these are official pages. Outside of those requests, they are free to do what they want.”

There are many “little things to remember” when you're in the role of campus web wiz, says McLeod. “I've worked with software for so long, it's easy to forget the little steps in between that people just starting out need as part of the learning process. There has to be attention to detail, as well as making sure people are not offended or feeling that they're being left out in the process of creating homepages. I want members of the campus community to feel they can talk to me or to members of the steering committee or Task Force.”

Some departments are still not sufficiently networked in order to take advantage of the Internet capabilities, says McLeod, “and that is slowing them down.” But upwards of 40 UMaine departments have developed homepages, with new ones added on a regular basis.

“We're hoping within a year or two that there will be representation on the web for all the University's departments,” she says. “The campus has to provide access for all faculty and students. The clusters should have access and all the buildings should be wired. It should not be up to departments. More and more information is becoming available only on the web, including some government documents.”

The Task Force is planning to offer campuswide HTML (Hypertext Markup Language) workshops in November, designed to help members of the University community learn how to create and use homepages.



Jennifer McLeod

Photo by Diane Vatne

Conference to Assess Climate for Public Higher Education

Citing the rapidly changing social, political, technological, and economic environment in Maine, representatives from the state's public higher education institutions will be meeting in early November at the University of Maine to discuss the implications of these issues on the future of postsecondary education.

Other invited participants to the conference, called "Assessing the Environment for Public Higher Education in Maine," include leaders from state government, secondary education, and business and industry.

In the first forum of its kind, planned for Wednesday-Thursday, Nov. 1-2, sponsored by the University of Maine, attendees will hear from a variety of speakers about national trends as well as trends unique to Maine that will be forces for change. Speakers and participants in panel discussions will include experts and professionals with national backgrounds, as well as individuals with state expertise.

According to Anita Wihry, director of Institutional Planning at the University of Maine and primary organizer of the event, this conference is ground-breaking in another respect.

"For the first time, we have assembled a group of individuals on our steering committee from a variety of backgrounds to create this event," she said. "It is uncommon to design and be involved with a conference that includes all of our colleagues from public higher education in the state. This is truly a cooperative effort that emphasizes our common goals and experiences."

continued on page 15

Look Who's On Campus

The Distinguished Lecture for Canada Week will be presented Tuesday, Oct. 31, by Joseph Jockel, professor of Canadian Studies at St. Lawrence University, Canton, N.Y. He will address: "After the Referendum: The Future of Québec-Canada-U.S. Relations." Jockel's specialization is Canadian defense policy and Canada-U.S. relations. He has written numerous books and articles in Canadian Studies, and has received fellowships from Fulbright, the Council on Foreign Relations, NATO, and the Canadian Government, as well as the Woodrow Wilson Fellowship. Jockel is the founding director of the Canadian Studies Program at the St. Lawrence. He is currently vice president of the Association for Canadian Studies in the United States and has served on several committees for this organization. He is co-editor of *Northern Exposures*, *The ACSUS Papers* and was co-director of the 1991 Wingspread Conference: "Canada, Québec and the United States." He is a former senior fellow and director of the Canada Project, Center for Strategic and International Studies in Washington, D.C.

Anne Legaré will be on campus Wednesday, Nov. 1 to participate in a panel discussion on: "Results of the Québec Referendum." Prior to being named Québec's envoy to New England, Legaré was professor of political science at the Université du Québec à Montréal. She is the author of several books and numerous scholarly articles on the sociology of power, the state, culture, and democracy. She served as president of the Parti Québécois Commission on International Relations (1991-94) and, following the elections of October 1994, as the Québec Government's representative in Washington, D.C.



Editor Martha Freeman was honored with a reception and book signing Oct. 13 at Fogler Library. The Orono native and attorney now living in Portland edited the recently released book, *Always, Rachel: The Letters of Rachel Carson and Dorothy Freeman, 1952-1964*. Freeman is the daughter of Professor Emeritus of Education Stanley Freeman, and the granddaughter of Dorothy Freeman, who was a longtime friend and correspondent with Rachel Carson, author of *Silent Spring* and founder of the modern environmental movement. Those on hand for the event were, left to right, President Fred Hutchinson, Interim Vice President for Academic Affairs Judi Bailey, Martha Freeman and her father, Stanley, and Elaine Albright, dean of Cultural Affairs and Libraries.

Photo by Monty Rand

Campus Preparing to Participate in National 'Make a Difference Day'

Volunteering in order to make a difference in the lives of others in the University and surrounding communities has increasingly become a facet in the lives of members of the University of Maine community. But on Saturday, Oct. 28, those individual and small group efforts will combine as the campus mobilizes to take part in the nationwide "Make a Difference Day," created by *USA Weekend*.

"Make a Difference Day," is the fifth annual "day of doing good," co-sponsored by more than 400 newspapers across the country, and in partnership with the Points of Light Foundation and its network of more than 500 volunteer centers.

UMaine's effort is being coordinated by the VOICE Office (Volunteers in Community Efforts), Campus Living and ROC - Residents on Campus. Members of the University community who would like to participate, or anyone who knows of a project that could use volunteer help on that day, are urged to contact VOICE, x1796.

Upwards of 500 students are expected to participate in a variety of volunteer projects that now include a river cleanup and special events for the youngsters of Big Brothers & Big Sisters. They will be among the more than million Americans who have already committed to volunteer that day.

"A lot of our students do community service prior to coming to the University," according to Guy Gerbick, a graduate assistant in Campus Living. "This is an opportunity to reconnect to that citizenship spirit and build community among themselves. We're also hoping faculty and staff will join in. The idea is spreading to really be something in which people want to get involved. It's like Hands Across America - it's larger than what's just happening here." ▲



Healthy Foods f

Educators are worming their way into the hearts of elementary schoolchildren in Freeport and Orono with hands-on lessons in agriculture and nutrition as part of a two-year project called "Healthy Foods from Healthy Soils," an initiative made possible by a \$99,500 grant from the U.S. Department of Agriculture.

The pilot project that promises to be a model for the nation involves in-classroom composting bins complete with worms – one of the vital organic components for healthy soils. In a process that evolves throughout the schoolyear, 300 students in kindergarten through fifth grade will tend their compost bins by recycling food waste and "feeding" the worms. The worms, in turn, help create vermicompost, a nutrient-rich soil mixture that is then used by the youngsters to grow plants that produce food. Through the project, children not only learn the connection between healthy foods and healthy soils, but where they can participate in the nutrient life cycle. Children in Freeport and Orono will be linked by their similar experiences in agriculture and nutrition through composting and gardening, and could eventually become penpals, corresponding via the Internet.

The strong link between nutrition and agriculture was a critical factor that contributed to the project being the sole recipient of a USDA Special Agriculture and Nutrition Project Grant, selected last month from competitive proposals submitted from across the country. In addition, the project incorporates a parallel, community-based infrastructure in both Orono and Freeport. The project co-directors working in the Orono and Freeport schools are supported in their efforts by principals and superintendents, as well as recycling coordinators and town managers in both communities. Maine's two largest state university campuses also are cooperating by providing permanent exhibits of the "Healthy Foods from Healthy Soils" project, complete with worm composting bins, located at the Page Farm and Home Museum at the University of Maine and at Wolfe's Neck Farm in Freeport, which is affiliated with the University of Southern Maine.

"Healthy Food from Healthy Soils" has the endorsement of the Maine Agriculture in the Classroom Association and the Maine Dietetic Association.

At its conclusion in 1997, the pilot project has the potential for an additional three years of USDA funding.

"It is important anytime we can provide students with a practical learning experience that lasts them a lifetime," according to William Ziemer, superintendent of School Union 87 who submitted the proposal for the USDA grant. "This is an appreciated addition to our basic core of curriculum and instruction. Nothing is trite or insignificant as a learning experience if you can channel that into a repertoire for life. The more diverse the experiences we can provide for children, the more knowledgeable and resourceful they will be as adults.

"Projects like this promote interest from people in the community and heighten awareness of issues, including curbside recycling and composting. Like all successful projects, we expect to hear feedback from parents, both in serious and humorous formats, as word gets out, 'do you know what they're doing with worms this week?'"

Nutrition consultant and licensed dietician Elizabeth Patten of Freeport, one of the project's co-directors, was invited to introduce "Healthy Foods from Healthy Soils" to a combined class of 20

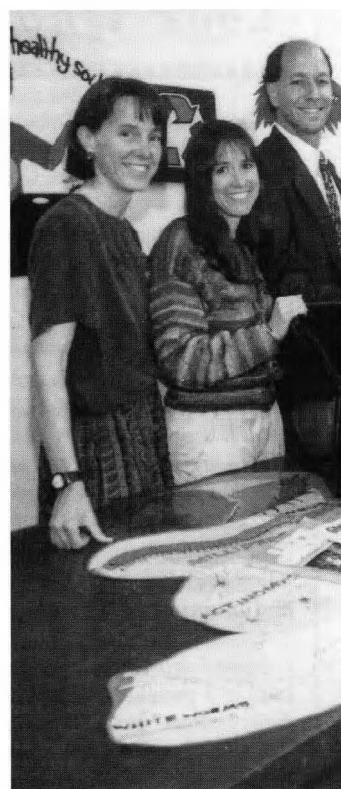
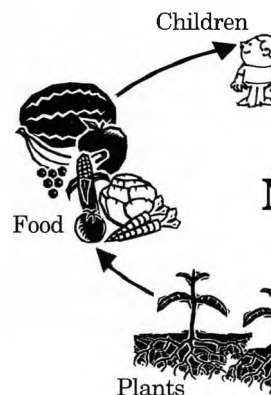
third-, fourth-, and fifth-graders earlier this month. "The teacher approached me when he heard about our grant," she says. "They were studying soils and rocks, and wanted to start a composting bin so that, by the end of their unit, they could plant seedlings to see the nutrient cycle. Our program of nutrition and agriculture through composting and gardening ties in with what was already being taught, providing an example of living soil and how to create healthy soil.

"The teacher told the students about the project and let them go with it," says Patten. "They wanted to find a garden plot and started testing soils, only to find that soil quality was so poor they needed to enhance it with the help of the worms. Instead of planting something simple like pumpkins, the youngsters wanted to plant things like onions and herbs that they hoped the school's food service would be able to use to enhance nutrition.

"We began with the teacher introducing me to the class and telling them to, 'please give her a worm welcome.' When I asked the students what they knew about worms, they told me they were 'slippy' and 'slimery.' This is a project that is so fun, it breeds enthusiasm and a lot of silly jokes," says Patten. "But the core message is getting across that they can participate in the cycle occurring all around them by learning what it takes to produce food."

School Union 87 already had "a full plate with academic initiatives" when Ziemer was first approached with the proposal. However, the "Healthy Foods from Healthy Soils" project is a natural extension of the "types of programs we were doing with the environment and ecology" – from Asa Adams Elementary with its greenhouse that is incorporated into its facility to at Orono High School class that has undertaken a study of the most efficient means of recycling materials generated by the school district, he says.

"When we talk of recycling food waste for healthy soil or recycling solid waste to assist the environment – the organic or inorganic aspects – they blend well together," says Ziemer. "In that aspect, it is exceptionally beneficial to get



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Healthy Foods from Healthy Soils

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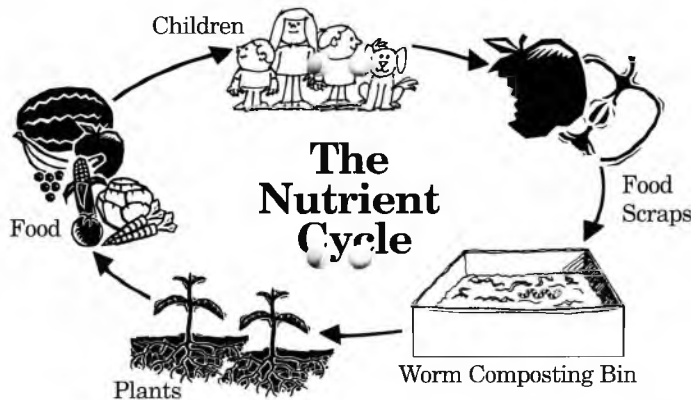
students to practice what they learn in recycling and in the greenhouse."

Kathy Lyons, the project's other co-director headquartered in Orono, will take the "Healthy Foods from Healthy Soils" messages into the Orono elementary school. For the past four years, Lyons has offered recycling programs using storytelling and puppets at Acadia National Park and most recently at Bangor Public Library. Aided by a hand puppet named Annelida the Earthworm, as well as some live worms, Lyons introduces children to the concept of cycles and nature's way of taking care of its garbage. Annelida's job description will be expanded with the grant. She'll not only be introducing children to the role of worms in the soil and compost bins, but also to the origins of food and the nutrition the youngsters need to grow up healthy.

"I let the youngsters hold some of them in their wet hands," says Lyons, who has been involved in environmental education since the early 1980s. "The children were so absorbed; animals and kids just go together. In an introductory session with teachers, someone asked if they could throw twinkies into the composting bin, and I explained that the food scraps had to be from healthy foods. The teachers got excited because that would encourage youngsters to bring nutritious snacks to school, the scraps of which they could then contribute to the compost bin."

"One of the important things about the 'Healthy Foods from Healthy Soils' project is that it is multidisciplinary," says Lyons. "It is not just science. I encourage teachers to jump from my activity to whatever else makes sense in their classroom. This is not a special project we're dumping on teachers. It is not only voluntary but we want this project to fit into curricula to enhance what already is being taught."

Combining lessons in nutrition, agriculture, and recycling and composting into one curriculum for youngsters was "the best news I could hear," says Mary Casciotti, Orono assistant town manager and coordinator for the town's



Among those involved in the "Healthy Foods from Healthy Soils" project are, left to right, co-directors Elizabeth Patten of Freeport and Kathy Lyons of Orono; Orono Town Manager Gerry Kempen and Assistant Town Manager Mary Casciotti; Anne Johnson of Orono, vice chair of the Page Farm and Home Museum Board of Directors; and Bill Ziemer, superintendent of School Union 87 in Orono.

Photo by Monty Rand

From Healthy Soils

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recycling efforts. “By teaching children about composting and recycling, we strengthen parent interest not only in the ‘Healthy Foods from Healthy Soils’ project, but in our community efforts including our program of backyard composting.”

For the past four years, the town of Orono has had an active curbside recycling program. Concurrent outreach efforts have included working with area schools to promote recycling efforts, as well as offering classes in backyard recycling. “Our approach to recycling has been multigenerational,” says Gerry Kempen, Orono town manager. “We believe that the earlier we can intervene with people the better to begin to change their habits from throwing away to recycling. That's why this is such a great project in the way it gets kids involved.”

“Orono and Freeport are both progressive towns,” says Kempen, “and this is a progressive idea.”

In Freeport, recycling also has included initiatives in the schools, including one at Mast Landing School to develop a program based on composting and waste reduction. With the help of Patten, it is hoped that further composting education can be funded through grants that could involve training high school students to teach youngsters in lower grades. “We often say reduce, reuse, recycle, pre-cycle and compost,” says Cynthia Kimball-Strout, the solid waste/recycling director for Freeport. “Good nutrition is the key to being healthy. Being healthy allows us to make all sorts of global choices. I think this project goes hand-in-hand.”

According to Freeport Superintendent of Schools Robert Lyman, the “Healthy Foods from Healthy Soils” project will reinforce and expand composting and gardening initiatives already under way in selected classrooms throughout the system, while further emphasizing the nutrition-focused education. Our system has been the recipient of Nutrition and Training Grants, as well as ‘Healthy Me, Healthy Maine’ funding,” says Lyman. “We have worked hard to ensure that students understand the relationship between their bodies, their lives and their world. I believe we can teach and dramatically reinforce these types of lessons for impressionable youngsters and begin to turn the tide on poor eating habits before the Middle School level; this grant could be a major step in that process.”

Beyond the classrooms in Freeport and Orono, thousands of schoolchildren from throughout Maine will learn about the “Healthy Foods from Healthy Soils” project by visiting UMaine's Page Farm and Home Museum and USM's Wolfe's Neck Farm. From worm composting bins on exhibit throughout the year to the vegetables growing in the gardens during the summer months, visitors of all ages will be provided a practical view of the link between nutrition, ecology, and the science and practice of agriculture.

“It is important that the general public realize the importance of agriculture to the people of Maine,” says nutritionist Anne Johnson, who was instrumental in forming the project concepts and recruiting community support for the grant proposal. “This is part of a successful, ongoing endeavor at the Page Farm and Home Museum and Wolfe's Neck Farm to teach youngsters about agriculture. In addition, we can show children how such recycling can cut down on the amount of waste going to PERC – an economic savings for the town and their parents, and as a way to make a difference for their future.” ▲



Healthy Soils” project are, left to right, Mary Casciotti, Orono assistant town manager; Anne Johnson of Orono, vice president; and Bill Ziemer, superintendent.

Photo by Monty Rand

Teen Drug Use *continued from page 1*

surprised by the tremendous increase in marijuana use, and alcohol and tobacco were also up dramatically."

The findings indicate that the prevalence of drug use for all substances except inhalants increases as students get older. As in previous surveys, alcohol continues to be the most frequently used drug. Its prevalence is highest among high school seniors, 46 percent of whom report that they drink at least once a month.

More than three-quarters of all students reported that they think it is wrong for young people to use any illegal drugs. The proportion ranges from 76.2 percent for tobacco to 95.6 percent for LSD, cocaine and other drugs.

Particularly significant for substance abuse programs, Dana adds, are the findings about teens and adults. The report concludes that 53.5 percent of teens say they personally know adults who use illegal drugs and that 34 percent say that they personally know adults who sell illegal drugs.

In addition, 35 percent report that a severe drug or alcohol problem exists in their families.

"This study confirms that drug abuse is a complex behavior," Dana says. "We need to do a better job of focusing on adults as role models, of working on parenting skills, and of encouraging community police to be present in kids' lives in positive ways."

Campaign for Maine *continued from page 2*

The campaign began in 1989 with the advance gift phase, in which UMaine participated as partners with the University of Maine System, generating \$11 million. The "Quiet Phase" that followed — a fund-raising effort by UMaine alone — generated another \$23 million.

Leading to the campaign, the passage of a \$36.8 state bond issue in 1988 provided UMaine with \$18 million as the public portion of funding for the three new buildings. Private gifts were required to complete the funding.

A groundbreaking ceremony was held recently for the Bryand Global Sciences Center. Scheduled for completion next spring is the future home of the School of Performing Arts. The Corbett Business Building, which opened in 1993, and the recently expanded Alford Sports Arena also benefited from the campaign.

Additionally, private gifts provided for 222 new endowed scholarships and 22 additional endowed professorships. Lead gifts for research and equipment support have come from IBM, AT&T, Sun Microsystems Inc., Heuristic Inc., and Intergraph Corp. ▲

6th and 12th graders reporting at least one use of a drug in their lifetimes:

	6th graders	12th graders
Smokeless tobacco	8%	42%
Cigarettes	24%	73%
Alcohol	41%	89%
Marijuana	5%	57%
LSD/Hallucinogens	2%	23%
Cocaine/Crack	1%	11%

Since 1992, teens who report using drugs at least once:

	1992	1995
Tobacco	39.8%	52.8%
Alcohol	29.5%	38.0%
Marijuana	11.9%	19.4%
Cocaine/LSD	3.3%	3.1%

"We've always known that the risk of substance abuse is developmental, and this study documents that observation in detail. We need protective programming to start early and continue at all ages. We know that just telling kids about chemicals doesn't work. In fact, abuse has little to do with the substance in question. It has to do with feelings of competence, of belonging and self-esteem."

Schools have an important role to play as well, Dana notes. More than 93 percent of all students say that they are committed to being in school and have not given up on it.

The report emphasizes that substance abuse programs need to be a continuing priority for the legislature and schools. These

efforts should focus on tobacco, alcohol and marijuana, he says, which are the most commonly used substances. "We need to do a better job of countering the advocates of marijuana use," he adds.

Dana says he is confident that the survey results are a "reasonable" reflection of true drug use and attitudes among teens. Responses were confidential, and the survey contained questions to reduce potential bias from self-reporting. "This study allows us to step back a bit and shift our programs," Dana says. "It helps us look more carefully at the causes of drug abuse behaviors." ▲

1995 BIENNIAL JACK WALAS JURIED PHOTOGRAPHY EXHIBITION

In honor of a longtime Public Affairs photographer and teacher of photojournalism, the University of Maine Museum of Art presents the 1995 Biennial Jack Walas Juried Photography Exhibition, Nov. 17-Feb. 2, Hauck Auditorium Gallery, Union. A reception is set from 4-6 p.m., Friday, Nov. 17 in the Gallery.

Maine residents who are professional or amateur photographers, or artists who use photographic media, are invited to enter up to three pieces for review. Entries are accepted 8 a.m.-4:30 p.m., Oct. 23-27, 109 Carnegie Hall. Call x3255 for entry form and information.

Walas, a New Hampshire native, died in 1991 at age 56 after a 24-year career in the University Department of Public Affairs, where he was chief photographer. From 1976-1987, he also taught photography in what is now the Department of Communication & Journalism.

His work captured the University and its community, but his reputation extended beyond UMaine boundaries. He won numerous awards from the University Photographers Association of America, including its Clip Contest Award for published photographs, Best of Show, first place in a juried print competition, and, with former UMaine photographer Albert Pelletier, the President's Award for Excellence in Publications. Walas also won a first-place award from the Industrial Photographers of New England for industrial portraiture. In 1989, he was instrumental in bringing UPAA's international conference to Orono.

Walas worked at Ohio newspapers while a student at Kent State University. After graduation in 1957, he served in the U.S. Army as a military photographer, then worked as a commercial photographer before returning to Kent State. There, he worked as either a photographer or sports information director for five years before coming to the University of Maine.

Walas' photos have appeared in several group shows, including UPAA's traveling exhibitions, and he had solo exhibitions.

Shortly before he died, he did photography for *Acadian Hard Times: The Farm Security Administration in Maine's St. John Valley, 1940-43*. Written by UMaine history professor C. Stewart Doty, the book relived the hard Depression years in northern Maine's French-speaking St. John Valley, where one of New England's largest New Deal programs was located.

MAINE CHAPTER OF THE UNITED NATIONS

The Maine Chapter of the United Nations Association of the USA, organized in 1989 by a group of concerned citizens and now listing more than 100 members throughout the state, would like to strengthen its representation in the academic community and among young people. We would welcome hearing from faculty members, graduate students, and undergraduates who would be interested in participating in planning and organizing such outreach programs as lectures and discussions around the state, and possible Model UNs at high schools and/or colleges; also in brainstorming new ideas for helping to build critical understanding and constructive support for the world organization in Maine. For additional information, contact Charles Weitz, of Portland, at 774-1741, or Jim Brown, of Camden, at 236-8919.



Marilyn Lutz, Systems librarian, was guest editor of a special Geographical Information Systems (GIS) issue of *Information Technology and Libraries*, Vol. 14, No.2 (June 1995): "Making GIS a Part of Library Services." **Kate Beard**, assistant professor of surveying engineering, contributed a paper: "Digital Spatial Library: A Context for Engineering and Library Collaboration." In addition, Lutz, with Mary Engle (University of California), Williams Jones (New York University) and Genevieve Engel (University of California): *Internet Connections: A Librarian's Guide to Dial-Up Access and Use*, American Library Association, Chicago, 2nd revised edition (June 1995).

Warren Riess, research associate professor of history: "A Brief History of the Sheepscot River System," *The Sheepscot River: Its Resources and Ecosystem*, ed. N. Barth, (1995) pp. 6-11. In addition, two articles are in print for 1996: "Penobscot Expedition," and "Ronson Ship," in *Maritime and Underwater Archaeology: An Encyclopedia*, ed. J. Delgado.

Reginald Twigg, assistant professor, communication and journalism: "Hippie Lifestyle as Rhetorical Performance: "Enacting Discourses of Peace," *Issues in Communications: The Discourses of War and Peace*, eds. Thelma McCormack and Robert K. Avery (Greenwich, CT: JAI Press, 1995) 139-70, co-authored with Rebecca Bjork.

Constance Hunting, professor of English and publisher and editor of Puckerbrush Press, has recently published *Claiming*, a first poetry collection by Patricia Ranzoni.

Colin Martindale, professor of psychology, and **Andrey Dailey**, former graduate student in psychology: "I. A. Richards Revisited: Do People Agree in Their Interpretations of Literature?" *Poetics*, 23:299-313 (1995).

K. Smith and W. Shortle, USDA Forest Service, Durham, N.H., and W.

Ostrofsky, associate research professor, Cooperative Forestry Research Unit: "Aluminum and Calcium in Fine Root Tips of Red Spruce Collected from the Forest Floor," *Canadian Journal of Forest Research*, 25(8):1237-1242.

Kristin Langellier, professor, and **Eric Peterson**, associate professor, communication and journalism: "A Critical Pedagogy of Family Storytelling." In J. Lehtonen (ed.), *Critical Perspectives on Communication Research and Pedagogy*, St. Ingbert: Rohrig University Press, pp. 71-82 (1995).

Steve Sader, professor of forest resources, with Doug Ahl and Wen-Shu Liou: "Accuracy of Landsat-TM and GIS Rule-based Methods for Forest Wetland Classification in Maine," *Remote Sensing of Environment*, 53:133-44 (1995).

Richard Jagels, professor, Department of Forest Ecosystem Science, **Christopher Murdoch**, assistant professor, Department of Forest Management, John Pietroski, and **Jonathan Carlisle**, assistant scientist, Department of Forest Ecosystem Science: "In Situ Bacterial Assay for Two Plywood Adhesives," *Forest Products Journal* 45(9):51-54. (September 1995).

Michael Greenwood, Ruth Hutchins Professor, forest biology: "Juvenility and Maturation in Conifers: Current Concepts," *Tree Physiology*, 15:433-38 (1995). Greenwood, E. Mellerowicz, R. Riding: "Nuclear and Cytoplasmic Changes Associated with Maturation in the Vascular Cambium of *Larix laricina*," *Tree Physiology*, 15:443-49 (1995). Greenwood, T. Eysteinnsson: "Flowering on Long and Short Shoots of *Larix laricina* in Response to Differential Timing of GA_{4/7} Applications," *Tree Physiology*, 15:467-69. Greenwood, R. Smith: "Effects of Gibberellin A_{4/7}, Root Pruning and Cytokinins on Seed and Pollen Cone Production in Black Spruce (*Picea mariana*)," *Tree Physiology*, 15:457-65.

Jennifer Craig Pixley, English, has a poem, "Cold Stone, White Sky," in the *Christian Science Monitor*, Oct. 10.

M. Bentley, professor and chairperson, Department of Chemistry: "Limonooids from *Turraea Floribunda*," with B. Torto, B.J.W. Cole, A. Hassanali, F. Huang, L. Gelbaum, and D. Vanderveer, *Phytochemistry*, 40:239-243 (1995); "Colorado Potato Beetle Antifeedants by Simple Modification of the Birchbark Triterpene Betulin," with Huang, B. Chung, and A. Alford, *J. Agric. Food Chem.*, 43:2513-16 (1995); "An Insect Antifeedant Limonoid from *Turraea nilotica*," G. Adul, Alford, Huang, Gelbaum, Hassanali, *J. Natural Products*, 58:748-50 (1995).

Ivan Fernandez, professor of soil science, Gregory Lawrence, U.S. Geological Survey, Albany, and Yowhan Son, professor of forest ecology, University of Seoul, South Korea: "Soil-solution Chemistry in a Low-elevation Spruce-fur Ecosystem, Howland, Maine," *Water, Air, and Soil Pollution*, 84(1/2):129-45 (1995).



Vijay Panchang, left, and Bingyi Xu, seated, of the UMaine Civil and Environmental Engineering Department are working with Zeki Demirebilek of the U.S. Army Corps of Engineers Waterways Experiment Station in Vicksburg, Miss., in a project to model ocean waves in Barber's Point Harbor, Hawaii. Panchang has conducted similar work in the Gulf of Maine through the Maine/New Hampshire Sea Grant Program. The Hawaii project will be used to design and protect the Navy's harbor facilities from stresses caused by waves. In 1996, the researchers will produce a model and demonstrate applications in harbors used by the Navy around the world. The group worked together on campus for a week in September and has continued its close collaboration since then. Panchang has co-authored several Sea Grant publications on water quality at net pen aquaculture sites and wave simulation.

Photo by Diane Vatne



Constance Hunting, professor of English, attended the Jane Austen Society of North America's conference in Madison, Wisconsin, Oct. 4-8. She attended the Charleston (Bloomsbury) Festival in Sussex, England, May 25-28.

Janice Zeman, assistant professor, along with graduate students **Kim Shipman** and **Susan Penza**, presented: "Adolescent's Regulation of Anger and Sadness," at the annual meeting of the American Psychological Association in New York, Aug. 13.

Richard Blanke, professor of history, attended the annual meeting of the German Studies Association in Chicago, Sept. 21-24, and presented a paper: "Polish-speaking Germans: The Masurians of East Prussia," as part of a panel on "German National Identity at the Margin."

Herman Weller, assistant professor of education, and **Mary Dickinson Bird**, instructor of education, presented a paper: "Interdisciplinary Inquiry: Planning for a Content-and-Methods Course Series for K-8 Preservice Teachers," at the Beacon College Conference, *Strengthening Mathematics and Science in Preservice K-8 Education*, at Bates College, Sept. 29. **Elizabeth**

Postlewaite, a recent M.S. graduate in science education at UMaine and environmental science teacher at Foxcroft Academy in Dover-Foxcroft, and Weller also presented a paper: "Science Teacher Preparation as Perceived by Practicing Science Teacher in Maine," at the conference.

Associate Professor **John Battick**, history, read the opening paper at the fourth annual Penobscot Bay Regional History Conference at the Penobscot Marine Museum, Searsport, Sept. 29. His paper: "The McGilverys: Family and Business Connections Around the Bay," examining the marriages and business linkages of five brothers from the town of Stockton in the 19th century.

Joann Kovacich, director of the Interdisciplinary Training for Health Care for Rural Areas Project, participated in the 9th Annual Distance Education Conference "Breaking the Boundaries of Time and Space." She presented the paper: "Beyond the 'Can Do' of Technology: Content, Context and Conflict," co-authored by Marianne Steinhacker, assistant professor of nursing at UMA.

Erdogan Kiran, Gottesman Research Professor of Chemical Engineering, and the recipient of the 1995 University of Maine Creative Research and Achievement Award, was the organizer of an international symposium on Thermosetting Polymers held at the Princeton Materials Institute, Princeton University, Sept. 22-23. Invited lecturers included authorities with worldwide recognition from Argentina, France, Japan, Russia, Czech Republic, and the United States. Kiran was one of the lecturers and presented a talk: "Supercritical Fluid Processing of Polymers."

Michael Grillo's paper: "A Foil No More: Underscoring European Integration in the International Gothic in Italy," was read at the Southeastern College Art Conference, held in Washington, D.C., Oct. 12-14.

Sept. 23, **Warren Riess**, research associate professor of history, presented the paper: "Discovering the Penobscot Expedition," at New York Sea Grant's annual Underwater Archaeology Symposium.



Kristin Sobolik, UMaine assistant professor of anthropology and Quaternary Studies, has been named "Outstanding Texas A&M Graduate in the discipline of anthropology during the existence of the College of Liberal Arts." She was chosen for the honor from the more than 300 B.A., M.A. and Ph.D. graduates of the Department of Anthropology in the past 25 years.

Oct. 21, Sobolik was in College Station, Texas, participating in ceremonies commemorating the 25th anniversary of the University's College of Liberal Arts.

Sobolik received her master's degree and Ph.D., from Texas A&M. During her graduate studies, she received the W. Frank Blair Award for excellence in original research written about the Chihuahuan Desert, the L.R. Wilson Outstanding Student Paper Award presented by the American Association of Stratigraphic Palynologists, and doctoral dissertation research grants from Sigma Xi and the National Science Foundation. Based on her M.A. research, she was awarded the Outstanding Researcher Award from the Texas A&M Association of Former Students. After a one-year post-doctoral fellowship at Southern Illinois University, she joined the UMaine faculty.

The nomination for the Outstanding Texas A&M Graduate notes that Sobolik "represents a new breed of anthropologist equipped with the intellect and skills to compete in our rapidly changing world. There is no question about the quality or talent of this individual. While still a graduate student, Kris presented numerous research papers at national-level professional meetings, published articles in leading research journals, completed a book on her research, and still holds our departmental record for winning more professional awards and grants while in residence as a student."

The University of Maine Historical Archaeology Masters Option, administered jointly by the departments of History and Anthropology, was well represented at the Annual meetings of the Council for Northeast Historical Archaeology, held at the Fortress of Louisbourg, Nova Scotia, Sept. 29-Oct. 2. Several present and former graduate students were among the presenters, discussants, and attendees. Professor **Alaric Faulkner**, historical archaeologist in the Anthropology Department, presented a paper: "Reconstructing St. Castin's Habitation." **Pamela Crane**, M.A. candidate in the program, presented a paper: "The Historical Archaeology of the Norridgewock Mission." **John Guilfoyle**, also an M.A. candidate, spoke on: "The French at St. Croix Island: the failure of de Mont's First

Settlement." Others attendees with ties to historical archaeology at UMaine included **Leon Cranmer**, M.A. '89, **Timothy Dinsmore**, B.A. '90 and an M.A. candidate at the College of William & Mary, **Peter Morrison**, B.A. '86 and incoming graduate student, as well as Norman Buttrick and Professor James Leamon (History, Bates College), both alumni of UMaine excavations on historic sites. Faulkner's travel was funded by the Canadian-American Center.

Professor **Melvin Burke**, economics, gave a luncheon speech at The Symposium on International Change, sponsored by the Whittemore School's Department of Economics at the University of New Hampshire Oct. 3. The title of his talk was: "The Global Crisis: An Alternative Interpretation."

Scott Wilkerson, Resource Conservation and Recovery coordinator, presented: "Institutional/Municipal Cooperative Resource Recovery Programming," at the BioCycle East Coast Conference in Cincinnati, Aug. 29. Wilkerson also spoke at the National Recycling Coalition's 14th annual conference Sept. 10, in Kansas City. His topic was: "Fluorescent Lamps and Ballast Recovery for Institutions."

Associate Professor **Michael Howard** delivered a paper: "Does Generalizing the Mondragon Cooperative Model Require Revising It?" to a conference of the International Institute for Self-management, Mondragon, the Basque Country, Sept. 26.

Patricia Dooley, assistant professor, and **Paul Grosswiler**, assistant professor, Department of Communication and Journalism, presented a competitively refereed research paper: "Turf Wars': Journalists' Claims to Political Communication Jurisdiction in the New Media Era," to a panel session of the Mass Communication and Society Division at the Annual Convention of the Association for Education in Journalism and Mass Communication, Aug. 9-12, in Washington, D.C.

Michael Greenwood, Ruth Hutchins Professor, forest biology, presented an invited paper in Gent, Belgium, at the Joint Meeting of IUFRO Working Groups on Somatic Cell Genetics and Molecular

Genetics of Trees: "Loss of Adventitious Rooting Ability During Maturation in Loblolly Pine." He also stepped down as chair of Molecular Genetics of Trees after a seven-year term.

Diana Hulse-Killacky, associate professor of education, attended the Governing Council meeting of the American Counseling Association as the representative from the Association for Specialists in Group Work, Alexandria, Vir., Sept. 14-17.

Sept. 20, **George Markowsky**, chair of Computer Science, presented a lecture: "The Mathematics of Emergent Systems," at the Chaos East Technical Meeting in Tyngsboro, Mass. In addition, Markowsky presented a lecture: "Business and the Internet," at the "Maine 'I.S.' ... On the Move!" Government Technology Conference in Augusta.

Khaled Hassen, a graduate student majoring in spatial information science and engineering, was a member of an award-winning computer design team that has garnered top honors in two consecutive years at the International User Conference, sponsored by Environmental System Research Institute of California.

For the past year and a half, Hassen has been working for Geo-Graphics Inc., in Bangor on a DEP contract. His work has focused on designing and programming software to be used for an oil spill management information system.

Hassen was the sole student on the design team, which last year earned the top award for the best ArcView software implementation. This past May at the conference in Palm Springs, Calif., the team won the distinction of best software design using ArcView II.

Hassen is expected to complete his Ph.D. in spatial information science and engineering this December, and is headed for a career specializing in visualization and multimedia. He started his graduate work at UMaine in 1992 after earning a master's degree in surveying/GIS, and bachelor's degree in civil engineering/surveying engineering at Ain Shams University, Cairo, Egypt.

His research at UMaine has focused on the visualization of positional change produced by GIS (Geographic Information System) operations, designing a visualization technique to document changes and provide tools for conveying those changes to GIS users. He is working to develop a visualization grid - initially a uniform grid which is subsequently distorted to illustrate changes in the GIS information. He has worked with Kate Beard-Tisdale, associate professor of spatial information science and engineering, on a visualization project documenting activity between soil types.

Of his almost two years of Ph.D. work at UMaine, Hassen says it has provided a variety of experience in different areas of GIS. "I have had lot of the theoretical part of GIS and what is the future and how to contribute to enhance it," he says. "My work in Augusta gave me the practical experience to put the theory into practice using my programming experience."



ARTS & HUMANITIES MONTH UNIVERSITY OF MAINE

Wednesday, Oct. 25

POETRY FREE ZONE Noon

"Japanese Poetry: Haiku, Hiroshima, and After," Honors Center.

WOMEN IN THE CURRICULUM LUNCHEON SERIES 12:15 p.m.

"Will Maine Discriminate? What Defeating the Referendum Will or Won't Do for Women," panel discussion, Bangor Lounge, Union.

PEACE WEEK EVENT 3 p.m.

Social Psychology Colloquium with Linda Yelland, Bangor Lounge, Union.

FILM 7 p.m.

It Came From Outer Space (in 3D), 101 Neville Hall.

Thursday, Oct. 26

PANEL DISCUSSION 12:30 p.m.

"The Arts and Public Funding: Necessary, Necessary Evil, or Evil?" moderated by Professor Owen Smith, Bangor Lounge, Union.

PEACE WEEK EVENT 12:30 p.m.

"The Practice of Conflict Resolution," FFA Lounge, Union.

PEACE WEEK EVENT 7 p.m.

Love, Ety: The Journal of Ety Hillesum, A Holocaust Play, Damn Yankee.

Friday, Oct. 27

PEACE WEEK EVENT 12:15 p.m.

"Faces of the Enemy," video presentation with Robert Whelan, Bangor Lounge, Union.

PLAY 1 p.m. & 8 p.m., Oct. 27

8 p.m., Oct. 28; 2 p.m., Oct. 29

Table Manners, by Alan Ayckbourn, Cyrus Pavilion, admission fee.

Monday, Oct. 30

ROUNDTABLE 7 p.m.

National Conversation Roundtables in Maine: What Does It Mean to be an American? Roundtable discussion group facilitated by Leslie Flemming, St. John's Episcopal Church Parish Hall, 234 French St., Bangor.

Tuesday, Oct. 31

WOMEN IN THE CURRICULUM LUNCHEON SERIES 12:15 p.m.

"Hull House and Birth Control: The Untold Story," by Diane Haslett, Bangor Lounge, Union.



Maine Perspective classified ads are published weekly and 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. Ads must be received by 9 a.m. the Friday before they are to appear in the next week's issue.

FOR SALE

AUTOMOBILE: 1987 Plymouth Voyager, 5-speed, AC, new exhaust and tires, one owner, excellent condition, \$2,200. Call 945-0946.

AUTOMOBILE: 1985 VW Vanagon. 160,000 miles; new exhaust, tires, brakes. Water-cooled engine, needs new head gasket. Excellent condition; only one Maine winter. Asking \$1,500. 827-0426.

BEDROOM SET: Full size, includes headboard, footboard, frame support members, 4-drawer bureau, vanity set with attached mirror and chair. Gorgeous medium wood color with nicely turned detailing. Perfect for a daughter. \$400. Call 947-5084.

CHRISTMAS TREES: The perfect Christmas gift for the person who has everything! Maine grown Balsam Fir, baled, delivered to campus—\$3 per foot plus \$2 handling. 5' to 7' trees shipped UPS to any continental state. Latest order date Dec. 1. Call Anne, 827-5659.

COPIER: One-owner Mita-2055, used in small business, total copy count 33,260. Features include: reduce/enlarge, edit function, border erase, split page, bi-color copying, cassettes for legal (250 sheets), ledger (250) and letter size (500). Needs new power board. BO. Call Theresa, 989-3497.

HOUSE: Cardville, 15 minutes north of Old Town. Private, beautiful raised ranch on 5 acres or more with a large living room with brick fireplace, large kitchen with island and bar, formal dining room, separate breakfast nook, utility room, 3 bedrooms, bath-and-a-half, deck, garage and much more. A must see. Built in 1985, needs no work and is ready for you to move in. Children have the choice to go to five local high schools. \$119,500. Call 732-5175.

HOUSE: Old Town Victorian, quiet neighborhood w/friendly neighbors, near schools. First floor—DR, KT, LR; Second floor—3BR and bath. Clean foundation w/work area, mop sink, and 1/4 bath, attached garage, large private cedar fenced back yard w/tri-level decking, in-ground pool (solar), pool house. \$81,500. Call Shelley or Mike, 827-4488. Showing by appointment.

HOUSE: Charming 3 bedroom extended cape in excellent condition with full basement. Located in Bryer Heights in Milford on 2 acres of land. Large living room, full kitchen, deck, 1.5 bathrooms. Reduced to \$81,000. Call Scott, 942-2314.

HOUSE: Orono, 3-bedroom ranch with attached 2-car garage, large backyard with garden and attached deck. New furnace, 13 new Certainteed windows. On quiet, dead-end street, 5-minute walk to campus. For sale, \$78,900. Call 410-647-8268.

LOT SPACES: New mobile home park, Penny Lane Estates, now taking applications for large lot spaces. Ten miles to Orono campus and nine miles to Brewer/Bangor area. Located on Route 178 near Eddington town line. The park is on a dead end road with great cross-country skiing, snowmobiling, hiking and gardening. Call 989-6568 for additional information.

MATTRESS AND BOXSPRING: Full size, Sealy Posturepedic. New condition. \$150. Call 947-5084.

MISCELLANEOUS: Crib, stroller, crib bumper, baby bathtub, tub safety ring, feeding chair, bouncy chair, baby seat for bicycle, potty chair, food grinder for making baby food, breast pump, nursing bras and pads, diaperaps (for cloth diapers), baby clothes, stuffed animals, toys. For adults: clothing, stereo turntable, bike, luggage, baskets, vases, Christmas ornaments. Call 866-5548.

REFRIGERATOR: White GE 1.1 cu ft, 24"x24"x55" (apartment size). Excellent condition. \$125. 827-4582.

TABLE SAW: Eight-inch Makita table top saw with extensions, dado set. \$175. Call 884-8460.

FOR RENT

APARTMENT: One-bedroom apartment, 2nd floor, unfurnished, near EMMC. No pets. \$350/month plus utilities. Call 866-0608 evenings and weekends.

APARTMENT: Perfect for new professional. The apartment is the second floor of a home at 40 Bennoch Road. The apartment has two bedrooms, two baths, new reversible windows, hardwood floors, fireplace, new kitchen, dishwasher, washer/dryer, oak cabinets, and an inside wall fireplace. Approx. 2 miles to campus. Off-street parking for two cars.

Snow removal and grass cutting are covered in rent. Garden space is available. Tenant pays for water, sewer, electric and heat. No pets. Apartment available middle to end of November. Rent approx. \$700/month. Call Michael, 866-4425.

APARTMENT: Beautiful upstairs apartment in Old Town historic house recently vacated. Includes two spacious bedrooms, living room, sun porch, eat-in kitchen, family-sized bathroom, and half of a two-car garage. Access to attic provides ample storage, near laundromat, right off bus route to campus. Call Steve, 827-8420.

HOUSE: Two-bedroom, furnished, winterized camp on Old Town side of Pushaw Lake. 20-minute drive to campus. Washer/dryer. Avail. Jan. 15-Aug. 15. \$500/month plus utilities. Security deposit required. Call 827-0522.

HOUSE: Orono, 4 BR, 2B. 5-minute walk to center of campus. Large yard, quiet street. Available Dec. 22-June 1. Ideal for new or visiting faculty member. \$750 + utilities. Call 866-4070.

WANTED

WANTED FOR RESEARCH: Women runners who have experienced at least one healthy pregnancy. UMaine grad student looking for women who ran before and after pregnancy to complete written survey. Call 581-1528/942-4722

Safety Corner

Environmental Health and Safety Office

The objective of an ergonomics program is to design a system in which the workplace layout, work methods, machines and equipment and work environment are compatible with the physical and behavioral limitations of the worker. Since 50 percent of OSHA incidents at present are ergonomics-related, the better this fit, the higher the level of safety and work efficiency that can be achieved.

Although optimal improvements are best achieved through a professional evaluation and analysis of each worksite, you can follow the guidelines below to improve your personal work environment.

- ▼ Anti-fatigue floor mats or shoe insoles reduce standing stress, especially on cement floors.

- ▼ Ergonomically correct chairs are available and should be adjusted to fit the individual worker. Feet should be flat on the floor or on foot rests. Seats should be tilted slightly forward and seat pans should be short enough to allow you to sit fully back on the seat. The lower back arch should be supported with a small pad. Thighs should be horizontal and lower legs vertical, with relation to the seat pan.

- ▼ Support the weight of the upper extremities on the work surface or on arm rests. These should be adjusted high enough to prevent slumping.

- ▼ During keyboard use, the operator's upper arm and forearm should form a right angle. Wrists should be neutral or slightly extended.

- ▼ Screens should be adjusted so that an upright head posture is maintained. The top of the viewing screen should be at or slightly below eye level. The screen should be 18 to 20 inches from the operator's eyes. Images on the screen should be sharp, clean and easy to read.

- ▼ Tools and materials should be placed in a way that minimizes reaching.

- ▼ Tool and equipment grips should be properly sized (approximately 2 inches in diameter) and have a non-slip coating on the handle.

- ▼ Switch frequently between sitting and standing.

- ▼ Rotate between two or more job tasks during the day. Work stress is more evenly distributed on different muscle groups.

- ▼ Get adequate rest and relaxation. Stress reduction exercises and techniques will allow the body to recover from repetitive or difficult tasks.

PARENTS OF TEENS DISCUSSION GROUP

Systematic Training for Effective Parenting of Teens (STEP/Teen) facilitated by Barry Rubin, LCSW, BCD

Series of six sessions Tuesdays, 6:30-8 p.m., Oct. 24–Nov. 28. Employee Assistance Program Library, 126 College Ave.

- ▼ Ways to build positive parent-teen relationships; the seven goals of teen misbehavior; the importance of lifestyle; the challenges of living faced by teens.
- ▼ Emotions of both teens and parents; ways parents can learn to change their own emotional responses; encouragement—the key to self-esteem.
- ▼ Effective listening skills; expressing feelings; exploring alternatives.
- ▼ Natural and logical consequences as a means for building responsibility in teenagers.
- ▼ Selecting the appropriate approach to a variety of discipline challenges.
- ▼ Ways to establish regular family meetings; unique challenges faced by single parents, divorced parents, and step-parents; approaches to especially troubling teen problems.

Call x4014 for more information or to register. Open to the public.

Construction Panels *continued from page 1*

will involve at least two graduate students.

UMaine President Fred Hutchinson and Gov. Angus King were joined by Shaler, Dagher, BTI CEO Martin Grimnes and William Hierstein of the Center for Technology Transfer (CTT) at a press conference in Brunswick Oct. 10 to announce the new collaboration.

UMaine and BTI have committed research funds, and CTT, a non-profit organization located in Portland, has approved a \$75,725 federal grant for the project.

"The University of Maine's involvement in this project is a great opportunity for our students and faculty," said Hutchinson. "It uses cutting edge research that is being conducted at UMaine and puts it to practical use."

"Partnering with Brunswick Technologies will add a new dimension to the research on wood composite materials being conducted in the Wood Science program," Shaler added. "The combination of their capabilities in manufacturing engineered glass fabrics with our facilities and expertise in wood/polymer composites will increase the likelihood of success compared to trying to go it alone."

The UMaine team will focus its efforts in three areas:

- ▼ the performance of designs for composite wood panels and a comparison with existing panels
- ▼ estimates of costs for the hybrid panels
- ▼ validation of engineering analysis through testing of experimental designs.

Among the technical issues the researchers will explore are techniques to bond wood and fiberglass fabrics, the composition of the fabric and appropriate processing methods.

Jake Ward of UMaine's Department of Industrial Cooperation helped make arrangements for the project. "Brunswick Technologies is the undisputed leader and high volume producer of knitted composite reinforcement materials," Ward said.

Public Higher Education *continued from page 7*

Wihry reported that the steering committee for the event is composed of individuals with a strong commitment to education in Maine. The group is representative of secondary education, higher education institutions, the business community, and state government. Wihry said the committee began meeting in late summer to establish the goals and themes of the conference.

Invited speakers include James Morrision, professor of education at the University of North Carolina at Chapel Hill, and editor of *On the Horizon*, an environmental scanning newsletter for leaders in higher education. Morrision will talk about the challenges of the 21st century on postsecondary institutions. C. Peter Magrath, president of the National Association of State Universities and Land-Grant Colleges, will also speak at the conference. His speech will address perceptions of public higher education through the eyes of Congress and state legislatures around the country, and will include a summary of legislative initiatives at the federal and state levels.

Four panels are scheduled to assess the current situation of public higher education and discuss future considerations. Topics include the changing environment for higher education, what employers want from postsecondary institutions, the perceptions of legislative, secondary education, and media representatives, and an assessment by higher education leaders in the state. Participants in each of these panels include people from education (both administrators and faculty), state and federal government, the media, and business and industry.

The conference will held in the Corbett Business Building.



On hand for the announcement of the new partnership between Brunswick Technologies and the University of Maine were, left to right: Stephen Shaler, associate professor of wood sciences and technology; UMaine President Fred Hutchinson; Gov. Angus King; Martin Grimnes, chief executive officer of Brunswick Technologies Inc.; Habib Dagher, associate professor of civil and environmental engineering; and UMaine Department of Industrial Cooperation Director Jake Ward.

Photo by Tim Boyd

"Martin Grimnes of BTI recognizes the value of our R&D capabilities in keeping its technological lead and the responsibility of industry to help educate the next generation of workers."

BTI will have the first option to commercialize new products from the venture, and both CTT and UMaine will receive royalties from product sales.

The year-long project will also expand UMaine's research expertise in composite technology, an area of growing economic importance, Ward said. New uses will be explored for wood fiber now wasted or used in low value applications. ▲

Invitations have been sent to representatives from each institution of public higher education in the state, including all campuses within the University of Maine System, the Maine Technical College System, and the Maine Maritime Academy.

Other invited guests include Gov. Angus King, his commissioners, legislative leadership and members of key committees at the State House, a selection of business leaders from around the state, and secondary school leaders. ▲

Did You Know

- ▼ University of Maine Dining Services Department provides a vegetarian program for students and staff, located in York Commons, 7 days a week.
- ▼ Dining Services offers a wide variety of meal plans specifically designed for non-resident students, faculty and staff.
- ▼ In support of one of Maine's largest industries, the Dining Services Department sells Lob\$ters by Re\$ervation once a month in all dining commons.
- ▼ Faculty and staff are more than welcome and encouraged to dine in one of the four resident dining commons, breakfast, lunch, or dinner, 7 days a week.
- ▼ Dining Services operates two food markets on campus (like convenience stores) – one located in Stodder Commons, the other in Hilltop Commons.
- ▼ More than 8,000 meals are prepared and served daily on campus.



U.S. Department of State, Biosphere Reserve Directorate, makes grants to support conferences, workshops, and partnership-building activities that promote cooperative regional ecosystem-based initiatives. Maximum award: \$15,000. Deadline: Dec. 1.

National Aeronautics and Space Administration solicits studies to define and develop new concepts for particles and fields and imaging instruments that would carry out scientific investigations during a close solar flyby mission. Notice of intent is due Dec. 4; proposals, Jan. 3.

U.S. Department of Defense has identified 19 areas of interest for the FY96 Multidisciplinary Research Program of the University Research Initiative. Awards provide \$1M-\$2M per year for up to five years. Initial white papers are due Dec. 15.

Association for Institutional Research regrants support from the National Center for Education Statistics and the National Science Foundation in grants and residential fellowships for research and other activities to improve institutional research in post-secondary educational institutions. Deadline: Jan.15.

Center for Field Research supports field studies in any discipline that can employ nonspecialists in the implementation of a project of pure or applied research. Awards consist of volunteer field assistants, logistical support, and grants of \$10,000 to \$100,000. Preliminary proposals should be submitted 12-14 months prior to the anticipated field dates.

U.S. Department of Education has a new requirement for applications to all its discretionary grant programs: proposals for new awards must describe steps to be taken to ensure equitable access to, and participation in, the grant-funded activities for students, teachers, and other program beneficiaries with special needs.

National Science Foundation has changed target dates for FY96 in the Divisions of Integrative Biology and Neuroscience (IBN) and Molecular and Cellular Biosciences (MCB) to Jan. 10 and July 10. Dates for some programs in other divisions of the Biosciences Directorate have also changed. For a list, or for more information, call Research & Sponsored Programs, x1476.

1996 PUBLIC SERVICE FUND AWARDS

G. Bruce Wiersma, interim vice president for Research and Public Service, is implementing this year's \$20,000 Public Service Fund Awards in support of public service projects of University of Maine faculty and professionals.

Proposal forms and criteria may be obtained at the Office of Research and Public Service, 201 Alumni Hall.

Proposals must be returned by Oct. 31.

The Public Service Awards Committee will then screen proposals and make its award recommendation to the Office of Research and Public Service. Second-year committee members are: Michael Greenwood, Jean Lavigne, Kathryn Olmstead, and Calvin Walker. New first-year committee members are: Steven Colburn, David Lambert, Holly Lehnhard, Karel Lidral, and William Rivard. Suzanne Estler and Scott Delcourt serve as ex-officio members.

Address questions regarding this award to Scott Delcourt, x1502.

VOICE

Volunteers In Community Efforts

VOICE (Volunteers in Community Efforts), a program of the Student Activities and Organizations Office, a Student Services Division, promotes volunteerism, acting as a clearinghouse for students, faculty, staff and community members interested in making a difference in the local community. The list includes organizations that are still looking for volunteers from the University community. Members of the University community who are interested in participating in any of the following volunteer opportunities, or want more information on local volunteer projects, should contact the VOICE office, 581-1796.

- ▼ The Hudson Museum Gift Shop in the MCA is interested in having volunteers participate in a variety of activities from public relations to working on computers. Anyone interested can contact Debbie Brooks, x1903
- ▼ The Orono/Old Town YMCA needs volunteer coaches, assistant coaches, and referees to help out with the Youth Sports program. For more information contact Fran Shirland, 827-6111.
- ▼ Volunteers are needed to give "Secrets of the Forest" guided walking tours to schoolchildren. Tours take place on campus, and training is provided. Contact Judy Markowsky, x2900, for more details.
- ▼ Help package up and deliver extra food from the dining commons to local shelters. Contact Cindy at VOICE, x1796.
- ▼ Adopt-a-Senior program is looking for groups or individuals who would like to plan an evening of entertainment for local senior citizens. Anything from music concerts to magic shows! For more information, contact Lori at VOICE, x1796.

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What's Ahead



**"LESSONS FROM THE
 O.J. SIMPSON TRIAL"**
 November 1