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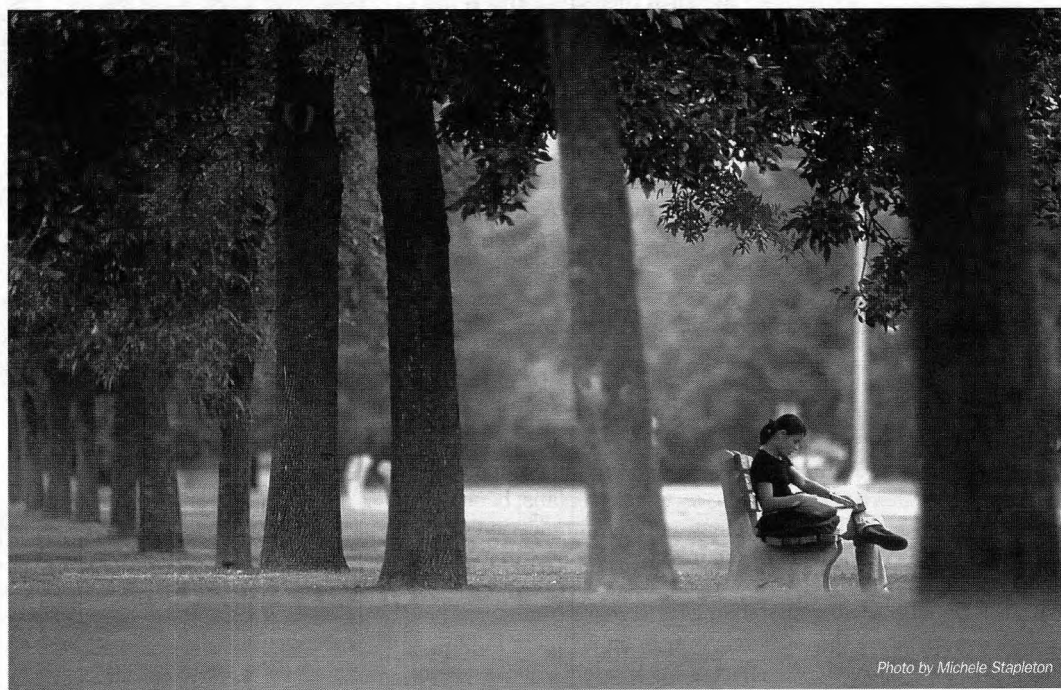


Photo by Michele Stapleton

State R&D Allocation Has Economic Benefits

An FY '99 legislative appropriation of \$3.6 million for the University of Maine is projected to leverage an additional \$12 million in federal funds in the coming year. The state R&D investment will stimulate Maine's economic development in five targeted areas.

The newly arrived state monies, coupled with the potential investment of \$10.8 million in capital improvement dollars with passage of the Nov. 3 bond issue, could help the University make major strides in the areas targeted as the research and development catalysts to spark economic growth in the state – computer software engineering and development, advanced materials engineering and development, aquaculture and marine sciences, advanced technologies for forestry and agriculture, and biotechnology.

The legislature's Joint Select Committee on Research and Development last year recommended a minimum base allocation of \$500,000 to

the University of Maine System to jump-start research and development. UMaine received \$400,000; the University of Southern Maine, \$100,000.

In the past year, that initial investment in UMaine was used to leverage an additional \$2.7 million in federal matching monies, primarily for research in marine science and aquaculture.

Last month, in addition to the \$400,000 fiscal-year allocation, UMaine received \$3.2 million of \$4 million in further state funding to the System.

"With this money, we are making investments in each of the five areas," says Heather Almquist-Jacobson, assistant vice provost for research and graduate studies. "Now, in addition to investing in matching federal funds, we have enough to support new faculty and some start-up packages for them, including equipment and technical support."

Major investments are being made in:

▼ Marine science, including molecular biology for such projects as the development of a new generation of DNA-based vaccines for fish; biological oceanography, addressing the population

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TWO WELL-KNOWN CAMPUS SITES NAMED FOR WELL-KNOWN DEANS

At its Sept. 28 meeting, the University of Maine System Board of Trustees officially named two campus facilities after esteemed former UMaine deans. The Bio-Resource Engineering Building has been named Norman Smith Hall in memory of the former dean of the College of Engineering. Room 100 of Donald P. Corbett Business Building will now be known as W. Stanley Devino Auditorium, in honor of the long-time dean of College of Business Administration.

In Perspective

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



BearWorks
University of Maine

STUDENT AFFAIRS UNITS FOCUSED ON STEPS TO ENHANCE THE UMAINE STUDENT EXPERIENCE

In the context of BearWorks, the division of Student Affairs has initiated its own action plan for enhancing the student experience at UMaine. The Student Affairs action plan, dubbed PAMEC – plan, act, measure, evaluate and communicate, collectively addresses the need for continuous and total quality management,

according to Mark Anderson, interim vice president for Student Affairs.

Beginning in July, planning groups in each Student Affairs unit were established, made up of a cross-section of unit employees, students, members from a different Student Affairs unit, and Academic Affairs representatives. The unit planning groups were asked to identify short-term and long-term action plans; benchmarks and other measurable outcomes; and communication goals. Finally, the groups were asked to determine how to institutionalize change.

With the initial planning now complete, Student Affairs staff members are spending the academic year in an action or implementation phase. By April, the effect of the Student Affairs action plan will be measured, with evaluation taking place in May. The start of the new academic year next September will find Student Affairs communicating its overall plan for enhancing the student experience.

"There are four ways to recognize if the process works," says Anderson. "We will look for continuous improvement and measurable performance. People will be accountable for what they do and how they do it. Enhancing the student experience will involve shared responsibility between Student Affairs and Academic Affairs. Instead of viewing the two areas as having different missions, there will be greater recognition of the common goals and shared responsibility for in- and out-of-class student experiences."

BearWorks 2.0, released at the start of this academic year, devotes a section to student life, complete with 12 tasks "to ensure that all dimensions of student life contribute to student learning, success, satisfaction, attainment of life skills, and support the priorities, goals and mission of the University." The tasks reflect the work of the Blue Ribbon Panel to Review the Student Experience at UMaine, a BearWorks 1.1 initiative last spring that involved extensive student input. The tasks pertaining to student life also evolve out of other BearWorks activities, and expertise of an experienced Student Affairs staff.

For example, BearWorks Task 4-4 calls for research and analysis of student opinion on the types of services, activities and facilities that would make the campus more attractive to current and prospective students. Student Affairs has annually surveyed residential students and will continue to do so, says Anderson. In addition, a weekly undergraduate focus group has been formed to garner student opinion on an continuous basis.

"A fundamental objective of BearWorks is to develop a collegial community of learners," says Anderson. "In this new environment, members of the University community have to work on their sense of possessiveness. BearWorks is a context for change. Ultimately, all the priorities, objectives and tasks have to do with all of us."

By the end of October, Student Affairs is expected to publish a status report on its planning process. This will be in addition to UMaine President Peter S. Hoff's formal response to the Blue Ribbon Panel, also expected shortly. ▲



A new community program addressed an old problem earlier this month as UMaine's Department of Environmental Health and Safety teamed with the city of Bangor to help the city's residents dispose of oil-based paint, a household hazardous waste. For five hours Saturday, Oct. 3 at the Bangor Recycling Center on Maine Avenue, people drove in and dropped off cans of oil paints and stains. Personnel of the New Hampshire-based Advanced Environmental Technical Service were on hand to properly manage, bulk and dispose of the waste; paints and stains were dumped into 55-gallon drums, and the metal cans, and cardboard containers were collected for recycling. From the 135 vehicles that came to the paint collection site, 500 gallons of oil-based paint were collected, which will be made into a fuel blend used in electric generation. UMaine had already collected such paint. Allowing Bangor to send its recovered paint to a disposal site along with the University's saved the city about \$1,500 in transportation costs. The paint collection project, led by Vikki Justus, UMaine director of environmental health and safety, is part of an effort to keep household hazardous waste out of landfills and ground water. This pilot program is expected to be a continuing effort between the University and communities in Maine to address environmental hazards. The UMaine Department of Environmental Health and Safety is hoping to coordinate another area household hazardous waste recycling effort in the spring, this time aimed at another classification of household hazardous waste, such as fertilizers, pesticides and insect sprays, motor oil, household cleaners or antifreeze. The department is increasingly viewed as a community and state resource, with people seeking information on topics ranging from asbestos and lead-based paints to indoor air quality. Justus is one of the founding members of the Maine College and University Safety Association, which brings together safety representatives from colleges, universities and technical schools across the state to share experiences, programs and processes that work in an educational environment.

MAINE Perspective

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UNIVERSITY OF
MAINE

Calendar

MAINE

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

OCTOBER 16 – NOVEMBER 1

16 Friday

University Credit Union will be celebrating International Credit Union week on Friday, Oct. 16. Join us in celebrating 150 years of credit unions by stopping by the Credit Union for refreshments. Monty Moose will be on hand. There will be giveaways throughout the day.

Performance by Cool and Beyond, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Oct. 16, Damn Yankee. x1734.

Women's Soccer: Maine vs. Hofstra, 3 p.m., Oct. 16. xBEAR.

"Pine Trees - Phylogenetic Analyses and Tests of Coevolutionary Hypotheses," by Aaron Liston, Oregon State University, part of the Biological Sciences Seminar Series, 3:10 pm, Oct. 16, 102 Murray Hall. x2978.

19th Annual College of Engineering Recognition Banquet, part of Homecoming Weekend, 6 p.m. social; 7 p.m. dinner, Oct. 16, Wells Conference Center. Tickets. x2216.

Sports Hall of Fame Induction Banquet, part of Homecoming Weekend, 6 p.m. social; 7 p.m. dinner, Oct. 16, Black Bear Inn. Tickets. xBEAR.

17 Saturday

Thursday Club Fall Outing, featuring a hike at Camp Roosevelt, Fitts Pond. All interested University-affiliated women and guests meet to carpool at 9 a.m., Oct. 17, Maine Center for the Arts parking lot. 866-4520.

"M" Club Breakfast, honoring Gold and Silver "M" athletes, part of Homecoming Weekend, 8 a.m., Oct. 17, Mahogany Room, Wells Conference Center. x1142.

Friends of Track Annual Meeting, part of Homecoming Weekend, 9:30 a.m., Oct. 17, Private Dining Room, Wells Conference Center. x1142.

Celebrity Softball Game, featuring area celebrities, offered by Lambda Chi, 9:30 a.m., Oct. 17, Morse Field. Donations accepted. 866-0135 or 866-7321.

Third Annual Alumni Reunion of Residential Life/Campus Living RDs and RAs, part of Homecoming Weekend, 10 a.m., Oct. 17. x1142.

13th Annual Civil Engineering Alumni and Friends Brunch, part of

Homecoming Weekend, 10 a.m., Oct. 17, Stewart Commons. Reservations/admission. x2171.

Homecoming Alumni Reception: All Maine Women, Senior Skulls and Student Alumni Association, part of Homecoming Weekend, 10:30 a.m., Oct. 17, Mahogany Room, Wells Conference Center. x1142.

Men's-Women's Swimming and Diving: Alumni Meet, part of Homecoming Weekend, 11 a.m., Oct. 17. xBEAR.

ATO Alumni Reunion, part of Homecoming Weekend, 11 a.m., Oct. 17, Crossland Hall. x1142.

Reunion Cafe Celebration: Classes of 1973, 1978, 1983, 1988, 1993, part of Homecoming Weekend, 11 a.m., Oct. 17, Wells Conference Center. x1142.

First Annual Navy ROTC Reunion BBQ, part of Homecoming Weekend, noon, Oct. 17, College Avenue. x1142.

Alumni Family Tailgate Picnic, featuring 12th Annual Alumni Picnic Tailgate Competition, part of Homecoming Weekend, noon, Oct. 17, north parking lot (behind TKE). x1142.

Alumni Band Brunch, part of Homecoming Weekend, noon, Oct. 17, 100 Class of '44 Hall. x1142.

University Singers Homecoming Reception, 1 p.m., Oct. 17, 102 Class of '44 Hall. x1245.

Pre-Game Show, featuring performances by the Alumni Marching Band and the Marching Band, part of Homecoming Weekend, 2:30 p.m., Oct. 17, Morse Field, Alfond Stadium. x1142.

Football: Maine vs. Richmond, Homecoming Game, 3 p.m., Oct. 17. Admission fee. xBEAR.

Movie: Basic Instinct, offered by the Union Board, 6:30 p.m. and 9:15 p.m., Oct. 17, 100 Corbett Business Building. x1734.

Alumnae Varsity Field Hockey, 7 p.m., Oct. 17, Morse Field. xBEAR.

Scraping the Surface, part of the Maine Center for the Arts performance season, 8 p.m., Oct. 17, Hutchins Concert Hall. Admission fee. x1755.

18 Sunday

Women's Soccer: Maine vs. Drexel, noon, Oct. 18. xBEAR.

Field Hockey: Maine vs. Northeastern, 1 p.m., Oct. 18. xBEAR.

19 Monday

University of Maine Open House, Oct. 19, Maine Center for the Arts. x1558.

Women of the World (WOW) will hold its next luncheon meeting Oct. 19 in the vestry of the Church of Universal Fellowship in Orono. French food will be served. Cost of the meal is \$4; young children may attend at no charge. WOW is a support group for international women in the greater Bangor community and is sponsored by the Office of International Programs. For further information, contact Beth Eustis, 581-1509, or Lily Alavi, 945-5538.

"Effects of Agriculturally Induced Fragmentation on Amphibian Assemblages in West-Central Indiana," by Mary Beth Kolozsvary, part of the Wildlife Ecology Seminar Series, noon, Oct. 19, 204 Nutting Hall. x2866.

"Satellite Technology: From Andover Mountain to Mount Everest," by freelance writer Peter Brown, a Department of Computer Science Seminar, 4 p.m., Oct. 19, 115 Corbett Business Building. x3940.

The Party, video and discussion by members of Athletes for Sexual Responsibility, part of Alcohol Awareness Week, 7 p.m., Oct. 19, Knox, Oxford and Hancock Halls.

20 Tuesday

"Mentoring New Faculty," a panel discussion for deans, chairs and directors, Tuesday, Oct. 20, 12:30-2 p.m., Palmer Lounge, Mahaney Clubhouse.

Applying to Graduate School, a Job Search Workshop offered by the Career Center, 3:30 p.m., Oct. 20, Career Center Lab, Chadbourne Hall. Sign-up in Career Center. x1359.

Taping of The Nite Show, a weekly television program aired on WBGR, Channel 30, Bangor, 7 p.m., Oct. 20, Damn Yankee, Union. All students, faculty and staff welcome to attend. Guests will include President Hoff, State Representative Matt Dunlap, a UMaine field hockey athlete, and members of the UMaine Jazz Band.

"Drinks with Deb," a discussion of liquor laws and liability by Deb Mitchell, part of Alcohol Awareness Week, 7 p.m., Oct. 20, Aroostook Hall.

For eligible employees, Open Enrollment for the benefit programs is offered through Nov. 13. Employees can make elections and changes, effective Jan. 1. Information and necessary forms are being sent to home addresses. Campus meetings regarding Open Enrollment will be Oct. 21, 9-10 a.m. and 1-2 p.m., North Lown Room, Union. Employees can have individual questions answered 10 a.m.-noon and 2-4 p.m.

Coffee House with Jim's Big Ego, offered by the Union Board, 8 p.m., Oct. 20, Peabody Lounge, Union. x1734.

21 Wednesday

Department of Public Affairs and Printing Services Open House, highlighted by an appearance by artist Michael Lewis signing copies of the UMaine Academic Calendar, 11 a.m.-1 p.m., Oct. 21, Keyo Public Affairs Building. x3743.

"From the Jane Collective to RU486: The Changing Context for Abortion," by public health activist Peaches Bass, part of the Women in the Curriculum Luncheon Series, 12:15 p.m., Oct. 21, Bangor Lounge, Union. x1228.

Faculty Senate meeting, 3:15 p.m., Oct. 21, Mahogany Room, Wells Conference Center. x1167.

"Stress Management," a Study Skills Program, 3:15 p.m., Oct. 21, Sutton Lounge, Union. x1734.

"Boozin' and Choosin': An Inside Look at College Drinking," a video and discussion by members of the Peer Educator Program, part of Alcohol Awareness Week, 7 p.m., Oct. 21, Somerset Hall.

22 Thursday

Meeting of the Working Group of the Proposed Theory and Critical Practice Minor, 10 a.m., Oct. 22, Levinson Room, Maples. x3892.

"Readjusting Your Portfolio and Investment Allocations in Volatile Times," a workshop by ValLynda Robinson, TIAA-CREF individual consultation, 10:30-11:30 a.m., Oct. 22, 220 Corbett Hall.

Performance by Diane Linscott and Her Trio, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Oct. 22, Damn Yankee. x1734.

"Activism in Maine: Making the Connections," by Doug Allen, Janet May and Bjorn Skorpen Claeson of PICA, part of the Marxist and Socialist Studies Luncheon Series, 12:30 p.m., Oct. 22, Bangor Lounge, Union. x3860.

"TIAA-CREF Products - Roth IRAs, Mutual Funds, Classic IRAs, Education IRAs, Teachers Personal Annuities," a workshop by ValLynda Robinson, TIAA-CREF individual consultation, 1-2 p.m., Oct. 22, 220 Corbett Hall.

Introduction to MARINER, Fogler Library Internet Workshops, 6-7:30 p.m., Oct. 22, Fogler Computer Classroom. Registration. x1675.

Ongoing Events

Campuswide Events

Homecoming, Oct. 16-18.

Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" Oct. 22-29. x2609.

International Week, Oct. 31-Nov. 8.

Annual Folk Traditions Festival, part of International Week, offered by the Maine Folklife Center in cooperation with the Canadian-American Center, Nov. 6-7. x1891.

Annual Professional Development Conference for Classified Employees, Nov. 19-20.

Conferences/Seminars/Workshops

Internet Searching Techniques, Fogler Library Internet Workshops, 3-5 p.m., Oct. 21; 6-8 p.m., Nov. 10, Fogler Computer Classroom. Registration. x1675.

"Readjusting Your Portfolio and Investment Allocations in Volatile Times," workshops by ValLynda Robinson, TIAA-CREF individual consultation, 3-4 p.m., Oct. 22; 9-10 a.m., Oct. 23, 220 Corbett Hall.

Entertainment

"Moon Shadows," a Planetarium show, 7 p.m., Fridays, Oct. 16-30, Wingate Hall. Admission fee. x1341.

The Crackwalker, directed by Sandra Hardy, part of the Maine Masque season, 7:30 p.m., Oct. 22-24; high school performance, noon, Oct. 21; 2 p.m., Oct. 25, Hauck Auditorium. Admission fee. x1755.

EMMC Follies, 8 p.m., Oct. 24-25, Hutchins Concert Hall. Admission fee. x1755.

"Star Tales," a Planetarium show, 2 p.m., Sundays, Nov. 1-22, Wingate Hall. Admission fee. x1341.

"The X-Tra Terrestrial Files," a Planetarium show, 7 p.m., Fridays, Nov. 6-20 and Dec. 4-18, Wingate Hall. Admission fee. x1341.

Exhibits/Demonstrations/Tours

Working Traditions: Century-Old Craftsmanship in Maine, a photodocumentary by Cornelia Cannon Holden, through Oct. 18, Hudson Museum, Maine Center for the Arts. x1901.

Sumner at Bicentennial: A Portrait of a Small Maine Town, a Hudson Museum exhibit, Nov. 3-May 16, Maine Center for the Arts. x1901.

Maine Crafts Association: New Faces, a Museum of Art exhibition, through Nov. 21, Carnegie Hall. x3255.

Douglas Higgins: Paintings on Paper, a Museum of Art exhibition, through Nov. 21, Carnegie Hall. x3255.

Woodland Tribes of the Northeast: Jud Hartmann Bronzes, a Hudson Museum exhibit, through May 16, Maine Center for the Arts. x1901.

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

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

Page Farm and Home Museum open daily, 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

Newman Center, 10 a.m. and 6:15 p.m. Sundays, and 4:45 p.m. Tuesdays and Wednesdays, 83 College Ave. 866-2155.

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

Circle K Club meets every Monday, 6:30 p.m., Bangor Lounge, Union. x3909.

Maine Peace Action Committee meets every Wednesday, 5 p.m., Maples. x3860.

Acoustic Jam, 7 p.m., every Thursday, Memorial Room, Union. x1734.

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

Comprehensive Fee Program Fund Committee Meetings, to accept funding applications for the academic year, 1:15-2:15 p.m., Oct. 19, Nov. 2, Nov. 16, Nov. 30 and Dec. 14, Ham Room, Union. Deadline for application submission is noon the day of the meeting. Applicants are asked to attend a committee meeting to present their proposals. x1406.

Special Notes

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

Jordan Observatory open any clear Friday or Saturday night. x1348.

19th Annual Homecoming Arts and Crafts Show, Food Fair and Farmers' Market, part of Homecoming Weekend, 10 a.m.-5 p.m., Oct. 17; 10 a.m., Oct. 18, Field House. Admission fee. x1142.

Peace Week Book Sale, Oct. 26-28, Union Lobby.

Army Barracks Sale, Oct. 26-29, Lown Room, Union. x1734.

Movie: *Schindler's List*, part of Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" 6-9 p.m., Oct. 22, 100 Corbett Business Building. x2609.

E=MC Beer, video and discussion by members of the Peer Educator Program, part of Alcohol Awareness Week, 7 p.m., Oct. 22, Hart Hall.

23 Friday

"Beyond the Textbook: Resources for Teaching History in Maine," a daylong conference for Maine teachers, offered by the History Department, Oct. 23. x1908.

"Supplemental Retirement Annuitiess," a workshop by ValLynda Robinson, TIAA-CREF individual consultation, 11 a.m.-noon, Oct. 23, 220 Corbett Hall.

Men's Soccer: Maine vs. Delaware, 2 p.m., Oct. 23. xBEAR.

Men's-Women's Swimming and Diving: Blue/White Meet, 4 p.m., Oct. 23. xBEAR.

Men's Ice Hockey: J.C. Penney Hockey Classic, 4 p.m., Niagara University vs. Union College; 7 p.m., Maine vs. University of Moncton, Oct. 23. Admission fee. xBEAR.

Fitness Night, part of Alcohol Awareness Week, Field House and Wallace Pool open until midnight; Latti Fitness Center open 8-11 p.m., offered by the Department of Athletics and Recreation, Oct. 23.

Performance by Comedian Bobby Tessel, offered by the Union Board, 9 p.m., Oct. 23, Damn Yankee. Admission fee. x1734.

24 Saturday

Men's Ice Hockey: J.C. Penney Hockey Classic, 4 p.m., consolation game; 7 p.m., championship game, Oct. 24. Admission fee. xBEAR.

Astrofest, featuring a day of programs, 9 a.m.-4 p.m., and an evening Star Party, 7-10 p.m., offered by the Jordan Planetarium and Observatory, Oct. 24. x1341.

25 Sunday

Fall Meeting of the Maine Archaeological Society, featuring an 11 a.m. talk by Karen Mack: "The Bob Site, Archaic Through Ceramic Occupation Periods on Pushaw Stream," followed by Alice Kelley: "Geoarchaeology at Gilman Falls";

and at 1:30 p.m., David Sanger: "8,000 Years of Prehistory in the Old Town Region," coordinated by the Department of Anthropology, all Oct. 25, 107 Corbett Business Building. x1890.

Men's Soccer: Maine vs. Towson, noon, Oct. 25. xBEAR.

Monte Carlo Night, part of Alcohol Awareness Week, with proceeds benefitting cancer research, 7 p.m., Oct. 25, Damn Yankee.

26 Monday

"Edges, Openings and Bird Habitat on the Green Mountain National Forest," by David Capen, Wildlife and Fisheries Biology Program, School of Natural Resources, University of Vermont, part of the Wildlife Ecology Seminar Series, noon, Oct. 26, 204 Nutting Hall. x2866.

"Standing Up for Equality," a presentation by the Diversity Leadership Institute, Maranacook Community High School, part of Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" 3-5 p.m., Oct. 26, Bangor Lounge, Union. x2609.

"Ice Storm '98 - The Information Technology Story," by Jeff Ballard, manager of networking and desktop services, Central Maine Power Co., Augusta, a Department of Computer Science Seminar, 4 p.m., Oct. 26, 115 Corbett Business Building. x3940.

"Schindler's List: Remembering the Past to Create a Just Future," the Peace Week keynote address by Zev Kedem, a Holocaust survivor who was one of the 1,100 on Oskar Schindler's List, part of Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" 7 p.m., Oct. 26, Maine Center for the Arts. x2609.

27 Tuesday

Breakfast Conversation with Zev Kedem, a Holocaust survivor who was one of the 1,100 on Oskar Schindler's List, part of Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" 8:30-10 a.m., Oct. 27, Dexter Lounge, Alford Sports Arena. x2609.

President Hoff's Open Office Hour, 10 a.m., Oct. 27, Alumni Hall.

The Web for Scholars and Researchers, a Fogler Library Internet Workshop, 10 a.m.-noon, Oct. 27, Fogler Computer Classroom. Registration. x1675.

Coffee House with Jennings & Ponder, offered by the Union Board, 8 p.m., Oct. 27, Peabody Lounge, Union. x1734.

28 Wednesday

Booksigning by Bonnie Bishop, author of *Cats in the Dark*, offered by the University Bookstore, noon-1 p.m., Oct. 28, Union. x1700.

"Organizing Rural Women in El Salvador: Successes and Challenges," by Esmerelda Miranda, president, Rural Communities of Chalatenango, El Salvador, part of the Women in the Curriculum Luncheon Series and Peace Week, 12:15 p.m., Oct. 28, Bangor Lounge, Union. x1228.

"Reaching Your Financial Goals," a panel discussion via satellite teleconference, offered by TIAA-CREF, 2-3:30 p.m., Oct. 28, 101 Neville Hall.

"Catching Up on College Reading," a Study Skills Program, 3:15 p.m., Oct. 28, Sutton Lounge, Union. x1734

Movie: *The Salt of the Earth*, part of Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" 7 p.m., Oct. 28, 101 Neville Hall. x2609.

29 Thursday

"Human Rights in Pakistan," by human rights activist Zafaryab Ahmed, journalist and an Amnesty International political prisoner, part of the Marxist and Socialist Studies Luncheon Series and Peace Week, 12:30 p.m., Oct. 29, Bangor Lounge, Union. x3860.

Government Information on the Web, a Fogler Library Internet Workshop, 2-4 p.m., Oct. 29, Fogler Computer Classroom. Registration. x1675.

"Envisioning a Future that Is Compassionate and Just," a conversation with UMaine students, staff and community members, part of Peace Week: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice?" 3-5 p.m., Oct. 29, Bangor Lounge, Union. x2609.

"Resistance and Respect: Teaching About Diversity," featuring Sandra Gardner of the Sociology Department, the first in the "Innovative College Teaching" Afternoon Tea Series, 3:30-5 p.m., Oct. 29, Mahogany Room, Wells Conference Center.

"Thinking About Chicana/o Art," by Elizabeth Garber, associate professor of art education, University of Arizona, part of the Department of Art Guest Lecture Series, 7 p.m., Oct. 29, 206 Rogers Hall. x3245.

Annual Share Our Strength/Writer's Harvest Poetry Reading, offered by the University Bookstore, 7-9 p.m., Oct. 29, Union. The reading benefits local food banks. x1700.

30 Friday

Performance by the UMA Jazz Ensemble, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Oct. 30, Damn Yankee. x1734.

Women's Soccer: Maine vs. Hartford, 2 p.m., Oct. 30. xBEAR.

Field Hockey: Maine vs. Drexel, 3 p.m., Oct. 30. xBEAR.

Women's Basketball - Blue/White Game, 6:30 p.m., Oct. 30. xBEAR.

Men's Basketball - Blue/White Game, 8 p.m., Oct. 30. xBEAR.

31 Saturday

Culturefest, featuring ethnic food, talent and style shows, exhibits and music, offered by the International Programs Office, Oct. 31, Union. x2905.

Men's Soccer: Maine vs. New Hampshire, 1 p.m., Oct. 31. xBEAR.

1 Sunday

Field Hockey: Maine vs. Hofstra, noon, Nov. 1. xBEAR.

Women's Soccer: Maine vs. Vermont, 1 p.m., Nov. 1. xBEAR.

University of Maine Orchestra's Autumn Concert, part of the School of Performing Arts season, 2 p.m., Nov. 1, Minsky Recital Hall. Admission fee. x1755.

Men's Basketball - Exhibition Game with the Connecticut Diamonds, 5 p.m., Nov. 1. Admission fee. xBEAR.

People in Perspective

When Glenn Dickey looks out over the fields of the Rogers Farm and the barns of the Witter Farm, he sees the potential of agriculture in Maine.

He sees that potential in the sustainable agriculture research and diversified production efforts at Rogers. It's also in the University's genetic research with cows and horses at Witter. A key to the future is UMaine students – those who hold the promise for keeping Maine agriculture alive for years to come.

"What we're trying to do is bring hands-on experience back for students at both the Rogers and Witter farms," says Dickey. "Research in sustainable agriculture is the future of producers in Maine. Sustainable practices need to be researched and used to keep the land going. Long-term ecosystems need to be developed to diversify crops.

"We need these farms to try and stop the slide of agriculture in Maine. We'll do that by addressing what agriculture needs in the state, while providing the hands-on experience and research close to campus."

Dickey has spent his life in agriculture. A native of Fairfield, he grew up in Vermont where his father worked for H.P. Hood and Sons. Family friends owned dairy farms nearby, and Dickey was milking cows by age 7.

For eight years, he owned his own farm with 60 registered ayrshire in northern New York. In 1984, he returned to Maine, working for Coburn Farm in Corinna for six years, overseeing the milking of a 200-head herd.

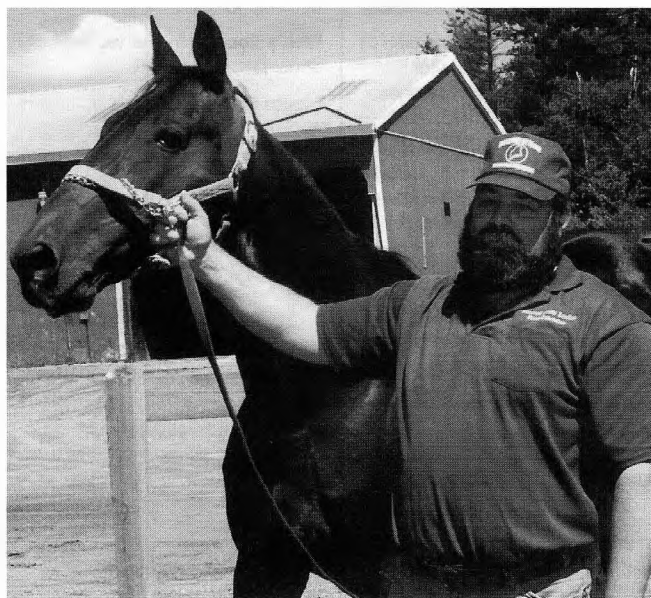
Dickey joined the staff of Rogers Farm in 1990 as a crop technician. He worked with the manager of the Witter Farm and with faculty in the University's Sustainable Agriculture Program.

The 100-acre Rogers Farm, once a dairy and potato farm, was purchased by the University in 1947. For UMaine, it served as a crop research station for forages and then as the site for sustainable agriculture plots in the late '80s.

Today, with almost 60 acres in agriculture production, Rogers is the home of the student-operated Black Bear Food Guild and Cooperative Extension's research and demonstration plots, including those used in the Master Gardener Program.

Two years ago, Dickey took over management of the 250-acre Witter Farm. Dedicated in 1974, the diversified farm offers students hands-on experience in the care of large animals – cows, horses and sheep.

"Three years ago, the Witter Farm had a commercial dairy herd in a 25-year-old free stall system that was worn out and obsolete," says Dickey. "While we had some students working here, it was not a good learning environment. We needed to return to a small herd usable for hands-on training and high-quality genetics.



Glenn Dickey

Photo by Kathryn Rice

"About two years ago, we sold the herd and put the money into repairing equipment, creating new storage facilities and rebuilding the dairy barn for tie-stall setup. By rebuilding to once again be state of the art, we can make a nice dairy operation and a pleasant place for students to work. With industry donations of live embryos, in five years we will have a genetically superior herd – superior even to what we had in the past. Similarly, we are starting a breeding program to raise a quality group of morgan and standard bred horses."

The 24-stall horse barn, also with indoor group housing for horses, will be completed this fall. Plans call for construction of an outdoor riding ring and, eventually, an indoor riding arena.

Quality herds are particularly important in student training, says Dickey. "We want to give them real-world situations," he says. "Today, surviving on commercial farms has to do with having the best animals and the systems to care for them efficiently."

As a farm supervisor, the biggest challenge is in "bringing the industry perception of the need for the University back around by giving them what they want to see," says Dickey.

"The mission is in training young people for the agricultural community, making a difference in Maine. It is the young people who will go out and turn traditional agriculture around in this state to diversity agriculture to help it survive in the state."

EXHIBIT CELEBRATES 25-YEAR HISTORY OF SPRUCE RUN

"Spruce Run—Surviving and Thriving for 25 Years," an exhibit on the history of Spruce Run, is featured in the third-floor lecture hall of the Bangor Public Library during the month of October, Domestic Violence Awareness Month. The exhibit, including photos, documents, items used in fund raising, posters, and excerpts from the oral histories of Spruce Run founders, was assembled as a public service by the Maine Feminist Oral History Project, which is part of the UMaine Women in the Curriculum and Women's Studies Program. Project member Anita Kurth, associate

professor of English, University College of Bangor, was the primary designer of the exhibit. Spruce Run is an organization providing services for survivors of domestic violence and working to end such violence in Penobscot County. Last March, Spruce Run, the third oldest domestic violence project in the U.S., celebrated its 25th anniversary. The exhibit is designed to give the public a better idea of the history of the organization and the scope of its activities. For more information, call the library, 947-8336 or the WIC/WST Program, 581-1228.

Center Stage

School of Performing Arts



A Glimpse Into the Lives of Those Who Fall Through the Cracks

The Maine Masque season opens with a provocative production not for the faint of heart but for an audience that wants thoughtful, moving drama, offering greater insight and recognition of "the dignity in the persecuted."

Members of the cast of *The Crackwalker* include, left to right, Kristin Williams, a graduate student from Millinocket; Christopher Ashmore, a senior from Ellsworth; Andy Lyons, a junior from Orono; and Misty Jordan, a senior from Bar Harbor. Not pictured is Carlos Henrique Fontes, an exchange student from Brazil.

Photo by Monty Rand

"This is not a pretty play," says Associate Professor of Theatre Sandra Hardy, director of *The Crackwalker* by Canadian playwright Judith Thompson. "This is a play about the underbelly of our society, a play about bigotry and ignorance, about abusive love and the pathos of unrewarded struggle."

"The playwright insists those of us who are fortunate, who haven't fallen through the crack, take a realistic look at the life of those who do. Many of the scenes involve graphic language and painful characterizations, including adult retardation, but Thompson depicts a segment of our society which deserves the right to live in a non-condemning world."

The Crackwalker opens Wednesday, Oct. 21 at noon, with a special performance for high school students. A post-performance discussion, led by Hardy, will look at the play from a theatrical point of view, offering insights into characterization and the challenge to actors playing these roles.

Evening performances are at 7:30 Oct. 22-24 in Hauck Auditorium; a matinee will be at 2 Sunday, Oct. 25. Friday night, Oct. 23, a second panel discussion will address the issues raised in the play, written by one of Canada's most popular playwrights.

"Our theatre students need the experience of dealing with a tough, contemporary script, as well as more traditional entertainment," says Hardy. "My hope for this production is that it be a captivating, moving theatre experience; second, that it give acting students a vehicle to stretch their wings as actors. Finally, my goal is to communicate Judith Thompson's message – that tolerance and compassion be given to all people, not just those with whom we are comfortable."

Canadian actor Grace Bauer serves as dramaturge for the production. A 1989 UMaine graduate, Bauer is a professional actor in Vancouver.

Bauer is assisting the actors with audio tapes of the rhythm patterns in everyday Canadian speech. She is also coaching the pronunciation and accent for Canadian colloquialisms.

The multi-location set for *The Crackwalker* is designed by James Beer, design student in theatre. Beer won the 1998 American College Theatre Festival's New England Regional competition in scene design with his set for *Unidentified Human Remains and the True Nature of Love*.

The Crackwalker will be entered in the 1999 American College Theatre Festival competition.

Maine Art Museum Partnership Established

The Davis Family Foundation has awarded a \$25,000 grant to a unique partnership of six Maine art museums that are working together to promote cultural tourism and education by publishing a guide to art museums and art resources in Maine.

The museums of art at Bates, Bowdoin and Colby colleges, the Farnsworth Art Museum in Rockland, the Ogunquit Museum of American Art and the University of Maine Museum of Art have been working together since March to pool their resources in a campaign designed to increase public awareness of Maine's cultural heritage. The Art Museum Trail Project, modeled on the successful Connecticut Impressionist Art Trail, a 12-museum alliance established in 1995, has received support from the Maine Arts Commission, which awarded the partnership a planning grant in April. Other organizations supporting the initiative include the Maine Office of Tourism and the Cultural Tourism Task Force.

Together the museums contain more than 34,000 works of art and see more than 200,000 visitors annually.

The foundation, established in 1986 by Mr. and Mrs. H. Halsey Davis of Falmouth, is known for its support of educational, medical and arts initiatives in Maine. Among the many projects funded by the Davis Family was a 1991 upgrade of library electronic media resources at Bates, Bowdoin, Colby and UMaine.

The Art Museum Trail Project's goal is to produce promotional materials for a statewide media campaign coinciding with the Governor's Conference on Tourism in April. The partnership intends to forge alliances with local businesses and tour promoters throughout New England and across the country. ▲

Pieces from Palmer Collection in the National Spotlight

Pieces from the Hudson Museum's Palmer Collection are traveling the country this fall.

More than 50 objects from the Palmer Collection are at the Thorne-Sagendorph Art Gallery at Keene State College in New Hampshire. *Worldviews: Maya Ceramics from the Palmer Collection* is on display through Oct. 25 before moving to the University of New Hampshire.

The Art Institute of Chicago is featuring seven pieces from the Palmer Collection in its exhibit *Ancient West Mexico: Art of the Unknown Past*. The 226-piece exhibit, with objects from 65 public and private collections, focuses on art from the societies of West Mexico 200 BC-AD 500. The exhibit runs through Nov. 22 before moving to the Los Angeles County Museum of Art.

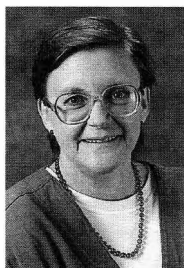
Whittington attended the exhibit's opening in Chicago and discovered that the Palmer Collection has the largest number of West Mexican tomb figures in the country. The only comparable collection is at the Los Angeles County Museum, which has 300 pieces; the Hudson's collection is almost twice that size.

The Palmer Collection also is significant for other reasons. Whittington says many museums and private collectors clean dirt and bug casings off the pieces in their collections to make them more aesthetically pleasing. However, recent scientific advancements have shown that soil and casings left by the pupae of flies that inhabited the tombs can be used to determine the authenticity of an item.

Many of the pieces in the Palmer Collection still have the original dirt and bug casings on them. This could make the collection extremely valuable to researchers. ▲

New Faculty at the University of Maine

College of Education and Human Development



Anna Lyon, University Trainer for Early Literacy Learning Initiative

Lyon is completing her doctoral degree in curriculum and instruction at Virginia Polytechnic Institute and State University. She is participating in ELLI training at Ohio State University, and will assist teachers and children in program implementation. Her research involves the study of first grade children as they make the transition to reader.



Nellie Orr, Assistant Professor of Kinesiology and Physical Education

Orr received her Ph.D. from the University of Pittsburgh. Her research is focused on the effects of exercise on cardiovascular health. She has 12 years of clinical and management experience in exercise prescription, programming, and in the implementation of employee health promotion programs.



Arlie Woodrum, Assistant Professor of Education

Woodrum received his Ph.D. in educational administration and social policy from Harvard University. His research focuses on the influence of cultural norms and expectations of individuals within organizational settings.

College of Natural Sciences, Forestry, and Agriculture

Eric Anderson, Assistant Professor of Biochemistry, Microbiology and Molecular Biology

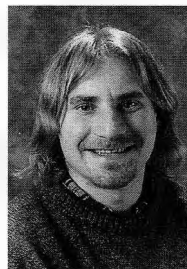
Anderson received his Ph.D. in genetics from Oregon State University and served as a postdoctoral research associate at Western Fisheries Research Center and the University of Washington. He is a member of the American Society for Virology.



Seanna Annis, Assistant Professor of Mycology

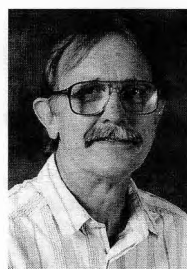
Annis received her Ph.D. in plant pathology from the University of Guelph in Canada. Her research interests are in fungi that attack plants, particularly in their physiology and molecular biology. Annis is teaching introductory biology and courses in the area of mycology.

The University of Maine's 1998-99 academic year has begun with 43 new members of the faculty. As a means of introduction to the University community, *Maine Perspective* is featuring biographical highlights provided by each of the faculty. This is the second in a two-part series on the new faculty of the University of Maine.



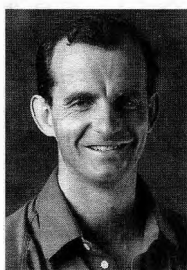
Michael Bank, Instructor of Wildlife Ecology

Bank holds a master's degree in environmental biology from Antioch New England Graduate School. He has conducted ecological research on several species of birds and mammals in various parts of North and South America. His interests include natural history, evolutionary ecology, animal behavior and conversation education. Bank is involved in teaching wildlife field ecology courses and operating a career development program for undergraduate students.



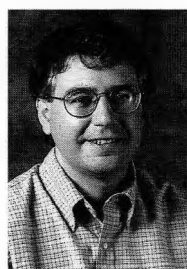
Robert Cashion, Assistant Professor of Biochemistry, Microbiology, and Molecular Biology

Cashion received his doctoral degree from Johns Hopkins University. His research interests are in the area of protein biochemistry, specifically in studies of structure/function relationships of heme-containing proteins. Cashion will be teaching in the biochemistry program.



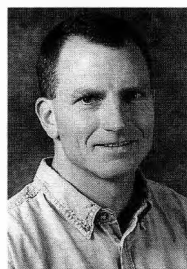
Robert Causey, Assistant Professor of Biosystems Science and Engineering

Causey received his D.V.M. from the University of Minnesota in 1989, and his Ph.D. from Louisiana State University in 1995. His clinical and research interests include equine infertility and defense of the uterus against bacterial invasion.



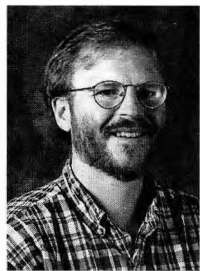
John Daigle, Assistant Professor of Forest Recreation Management

Daigle received his Ph.D. in forestry from the University of Massachusetts at Amherst. He has more than 10 years of experience working with the U.S. National Park Service and U.S. Forest Service. Daigle will be teaching management of natural resource settings and recreation opportunities. His research focuses on visitor surveys and assessing recreational user impacts on the natural resources.



Andrew Egan, Assistant Professor of Forest Management and Co-Administrator of the Forest Engineering Program

Egan received his Ph.D. in forest management (minor in statistics) from Penn State University. He has an M.S. in silviculture from the University of New Hampshire. Egan has been a professional logger and forester. His responsibilities at UMaine include teaching, research and service in forest harvesting.



Douglas Gardner, Associate Professor of Wood Science

Gardner received his Ph.D. from Mississippi State University. His research, teaching and service activities focus on polymer and interfacial science aspects of FRP-wood hybrid composite materials. He has co-authored more than 50 technical publications and 60 research presentations. He is a member of the Society of Wood Science and Technology, Forest Products Society and the American Chemical Society. Gardner has been recognized for his work with the 1992 Cahn Award and appearance in the 4th Edition of *Who's Who in Science and Engineering*. He has a B.S. degree and Certificate of Advanced Study from the University of Maine.



Denise Skonberg, Assistant Professor of Food Science & Human Nutrition

Skonberg received her Ph.D. in fisheries from the University of Washington. She has worked in the field of aquaculture, and holds a master's degree in food science. Her research focuses on utilization of seafood processing by-products.

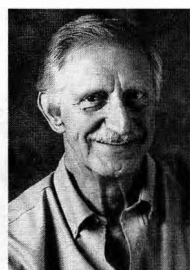


Susan Sullivan, Assistant Professor of Food Science and Human Nutrition

Sullivan completed her Ph.D. in 1995 from Boston University. She worked for 15 years as a clinical dietitian at Massachusetts General Hospital. She is teaching nutrition.

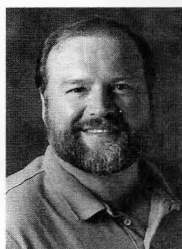
Carol Kim, Assistant Professor of Biochemistry, Microbiology, Molecular Biology

Kim received her Ph.D. in microbiology from Cornell University. She comes to UMaine from Oregon State University where she was a postdoctoral research associate. Kim has membership in scientific and professional organizations, and has participated in several publications.



Will laPage, Assistant Professor of Parks, Recreation, and Tourism

laPage received his Ph.D. in 1975 from SUNY – Syracuse, and has taught at the Universities of New Hampshire, Colorado State and Wyoming. His research interests are in environmental interpretation and tourism.



Robert Wagner, Associate Professor of Forest Ecosystem Science and Silviculture Program Coordinator

Wagner received a Ph.D. in silviculture from Oregon State University in 1989. He has worked as a forest researcher in the Rocky Mountains, Pacific Northwest, and Canadian boreal and Great Lakes/St. Lawrence forests. At UMaine, he leads the silviculture research program for the Cooperative Forestry Research Unit. Wagner also coordinates the Forest Ecosystem Research Project on the Penobscot Experimental Forest.



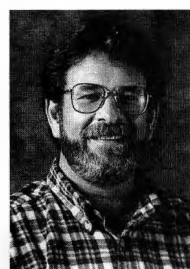
Holly LaVoie, Assistant Professor of Biological Sciences

LaVoie joined the UMaine faculty last January after completing a postdoctoral fellowship in reproductive endocrinology at the University of Virginia. She received her Ph.D. in physiology in 1994 from the Medical College of Virginia. Her research focuses on the control of genes regulating steroid hormone production in the mammalian ovary. She teaches courses in anatomy and physiology and endocrinology.



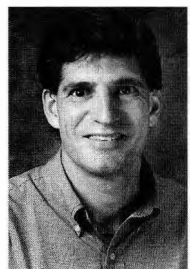
Donglin Zhang, Assistant Professor of Landscape Horticulture

Zhang received his Ph.D. in horticulture at the University of Georgia in Athens. He was a tenured professor of forestry botany in China. His research focuses on ornamental (garden) plants. Zhang is teaching introductory horticulture, landscape plants and their production.



Reeser Manley, Assistant Professor of Landscape Horticulture

Manley received his Ph.D. in 1994 from Washington State University. Prior to coming to the University of Maine, he was at the University of Massachusetts at Amherst. His research interests are in environmental stress physiology of woody plants.



Jonathan Rubin, Assistant Professor in the Margaret Chase Smith Center for Public Policy and Department of Resource Economics and Policy

Rubin received his Ph.D. in agricultural economics from the University of California at Davis in 1993 and previously worked as an assistant professor of economics at the University of Tennessee. Rubin focuses on market-based solutions to attain environmental goals. His recent publications have investigated the potential economic and social impacts involved in the trading of pollution permits and the economics of alternative transportation fuels and vehicles.

International Notes

Visiting scholars have joined the University community this semester:

Eisso Atzema,
Netherlands, Mathematics
Nils-Karsten Bars,
Germany, Chemical Engineering
Florian Bender,
Germany, Physical Sciences
Michela Bertolotto,
Italy, Spatial Engineering
Stafano Brandani,
Italy, Chemical Engineering
Yuquan Chen, China, LASST
Jonas Collen,
Sweden, Life Sciences/Biology
Sun-An Ding, China, Physical Sciences
Christian Dominsoru,
Romania, Computer Science
Michael Furlong,
United Kingdom, Life Sciences/Biology
Roland Gehrels,
United Kingdom, Physical Sciences
Gregory Hamilton, Canada, Education
Alan Hodgson,
South Africa, Life Sciences/Biological
Carlos Islam,
United Kingdom, Education

Ahmed Mohamed Jama,
Canada, Chemical Engineering
Alisher Kadyrov,
Tajikistan, Finance Management
Byeong Soo Kim,
Korea, Chemical Engineering
Benna Kumari, India, Food Science
Yong-Chang Lee,
Korea, Spatial Engineering
Jintong Li, China, Chemical Engineering
Stephanie McInnis,
Canada, Life Sciences/Biology
Lech Muszynski,
Poland, Wood Sciences and Technology
Juan Noguera, Spain, Forest Resources
Trudy Pearce,
United Kingdom, Education
Paulo Segantine,
Brazil, Spatial Engineering
Yang Xiang,
China, Chemical Engineering
Danya Xu, China, Physical Science
Sang-do Yea,
South Korea, Chemical Engineering
Militades Zacas,
Greece, Civil Engineering

Building on the Future of Ad

Editor's Note: On Tuesday, Nov. 3, people in Maine will be asked to vote on a bond issue question: "Do you favor a \$20,000,000 bond issue to improve the Maine economy by supporting innovative research and development of businesses and nonprofit and educational institutions in the fields of biotechnology, computers and other information technology, aquaculture and marine technology, forestry and agriculture, and advanced materials?"

In a five-part series, Public Affairs Science Writer Nick Houtman looks at the areas of research and development that would be affected by the bond issue. The series continues with a look at advanced materials.

As the Advanced Engineered Wood Composites (AEWC) building takes shape on campus, the newly designated AEWC Center enters the 1998 academic year with 41 students and three new faculty.

A \$700,000 competitive grant from the National Science Foundation will enable faculty and student researchers to manufacture fiber reinforced polymers (FRP) through a variety of processes. The ultimate applications will be new, thoroughly tested designs for bridges, buildings, beams, and panels of FRP and wood.

When completed, the 23,000-square-foot AEWC facility will become the only laboratory in the world where FRP-wood composites are designed, manufactured and tested under one roof, according to Habib Dagher, professor of civil and environmental engineering and the Center's director.

This new material does not corrode like steel or rot like untreated wood.

The Advanced Engineered Wood Composites Center had already attracted \$8.25 million in research and construction grants from federal, state and private sources. Associated researchers come from the UMaine departments of Forest Management, Chemical Engineering and Civil and Environmental Engineering, as well as from government and industry.

One of the difficulties in carrying out wood composites research, says Dagher, is obtaining test specimens within a reasonable time. "At present, time has to be scheduled with manufacturers around the country to make FRP-wood composites to our specifications. Frequently our industrial partners have had to shut down their own operations, and it can take a year or more to obtain spec-

imens for research purposes," says Dagher. "With the new in-house manufacturing capacity, we will be able to reduce this time from a year to a few days."

Among the machines to be purchased with the most recent NSF grant are a computerized 500-ton position/temperature controlled hydraulic press for manufacturing composite panels. Other machines include devices for pultrusion, extrusion, filament winding, fiber placement and milling. Composite materials testing equipment for hardness, impact resistance, fatigue strength and other features will also be purchased.

The principle researchers on the grant are Dagher and Eric Landis of the Department of Civil and Environmental Engineering, and Barry Goodell and Steven Shaler of the Department of Forest Management.

University funds dedicated to equipment purchases will bring the total new investment in composite materials manufacturing to \$1.1 million on top of an additional \$1 million in equipment already obtained through other grants.

In addition to manufacturing new materials, researchers will be able to construct full-scale bridges and buildings inside the lab, and subject them to accelerated loadings to simulate truck traffic, hurricane loads, snow loads and other stresses. Buildings up to 30 feet high will be constructed and computerized hydraulic actuators will be used to simulate forces from winds and earthquakes.

The laboratory has the capacity to test full-scale bridges up to 100 feet long and 50 feet wide under static and accelerated fatigue loading. For example, a bridge may be subjected to the equivalent of 50 years worth of traffic loading in just a few days, according to Dagher.

The equipment grant is the largest awarded by NSF this year. John Scalzi, former NSF program director now with the Federal Highway Administration, told the *Portland Press Herald* in July that the University of Maine is a national leader in wood composites research. "No one else is doing anything like this on this magnitude," he said.

Graduate and undergraduate students enrolled in engineering and forestry will have the opportunity to work on the new equipment. UMaine will be providing grants for these students, which will help pay for their schooling while they work on these projects. ▲



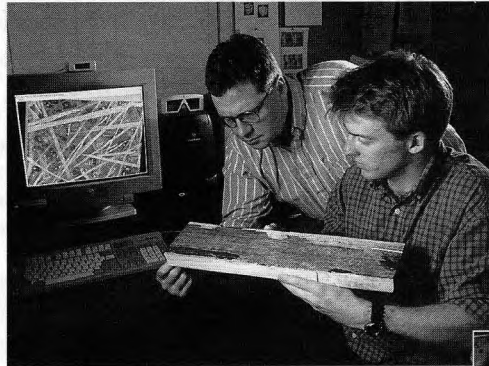
Three New Faculty Co

"Doing the numbers" is a daily ritual in business, but engineers also depend on calculations to design structures and predict how they will perform. William Davids, a new assistant professor in civil and environmental engineering and a faculty member at the AEWC, brings the power of numbers to the development of new structural wood composite components.

"In a perfect world, a numerical model would predict exactly what happens to a beam as it bends or to a panel as it distributes stress. In reality, we create the model and see how well the results match up against data from laboratory experiments. Then we go back and adjust the model and run the experiment again," says Davids, a native of Newport.

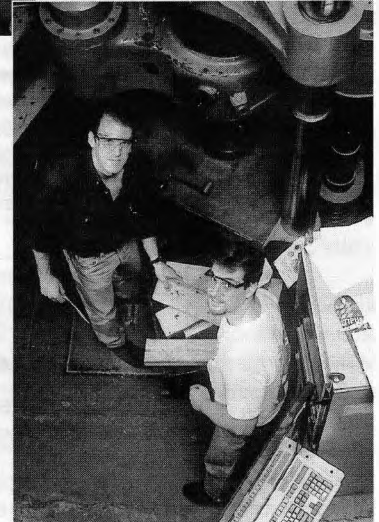
"We need to quantify how wood performs. Because it is non-homogeneous, wood is very difficult to model. It's not like steel, which is very regular and well understood. Wood has knots and other irregularities, and it changes with variations in temperature and humidity. My work here will focus on improving models to predict how wood

Future of Advanced Composite Materials



The AEW Center extends research to application: photo far left, a new FRP-timber bridge at Sebois; photo top left, Steve Shaler and graduate student John Alexander, wood science and technology; photo bottom left, Habib Dagher; photo below, Robert Lindyberg and civil engineering graduate student Joey Bretton.

Photos by Don Strong, Michael York and Kathryn Rice



Three New Faculty Contributing to Advanced Wood Composites Research

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Composite structures will perform."

Ultimately, reliable models provide important data that the construction industry needs to evaluate designs and materials. They are a critical part of the process by which new technology is adopted.

Davids' dissertation research at the University of Washington has found direct application in new software tools for modeling concrete pavements. He completed his Ph.D. after working nearly four years as a bridge designer with a Seattle consulting firm. Davids received his bachelor's and master's degrees in civil and environmental engineering at UMaine before pursuing his career in the Pacific Northwest.

For Auburn native Doug Gardner, becoming one of the newest faculty members in the AEW Center was a long-awaited homecoming. After getting his bachelor's degree at UMaine in forest management in 1980, Gardner pursued his graduate degree in Mississippi and conducted research as a faculty member in Alabama, West Virginia and Michigan.

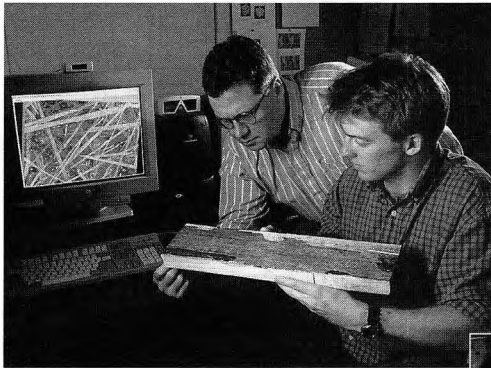
Along the way, he developed expertise in wood adhesives, composites technologies and recycling processes. He has worked with manufacturers on wood bonding problems and helped to develop a process to recycle chemically treated lumber. At UMaine, he is an associate professor in the Department of Forest Management.

"If all wood processing were done under carefully controlled conditions – in plants with air conditioning and with wood of a stable moisture content – there wouldn't be a problem with adhesives," he says. "But the industry isn't like that. Temperature and humidity changes. Wood in a factory absorbs moisture or dries out even further, depending on the season. As a result, industrial wood gluing processes have to be adaptable to changing climatic conditions. Understanding how glues and adhesives work is important."

About 70 percent of all wood applications involve bonding, says Gardner, and students interested in wood sciences and advanced materials will benefit from exposure to and

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Pipe Dreams of Engineers

Students in the Department of Mechanical Engineering are twisting, shaking and breaking pipes in collaborative ventures with the U.S. Navy and Bath Iron Works. Under guidance from Associate Professor Vince Caccese, they are studying new materials and pipe joint designs to improve ship construction practices on their way to earning their degrees.

“The students are involved in all aspects of the work. They design the test apparatus, set up the specimens and conduct the tests. I help supervise the work, and analyze and process the data,” says Caccese. The students earn course credit and, in some cases, earn stipends for work performed under contract.

“We want our graduates to have broad exposure to practical applications in mechanical engineering. In these projects, they learn to interact with clients, set up tests and interpret data. We also emphasize communication. They have to be able to explain what they did and their results,” says Caccese.

Testing pipes can be done in a variety of ways. Torsion testing involves twisting a pipe with increasing amounts of force. Fatigue testing requires repeated application of a stress, and in burst tests, pipes are pressurized from within. Most of this work is done in laboratory facilities in Boardman Hall.

In the last three years, 12 undergraduates and three graduate students have tested four-inch diameter pipes made of stainless steel, copper-nickel alloys and titanium for BIW. This year, they are again working with titanium pipes, which are lighter and stronger than steel and more corrosion resistant. Pipe samples have been provided by BIW and the Navy.

“The breaks almost always occur in the welds,” Caccese says. “Heating and flowing the metal changes its properties. In these cases, the welded joints are the weakest point.”

The students have also tested a joint design known as a “spin flange,” developed at BIW. Although such joints are faster and easier to construct, the Navy is in the process of approving their usage based on the results of research at UMaine.

Caccese solicits work projects for his students through a Web page, www.umeme.maine.edu/design/SponsorInfo.htm. Many of the projects form the basis for a senior final design project. ▲

New Faculty *continued from page 11*

participation in the latest research. Gardner is arranging a course on adhesives technology and polymer chemistry – of likely interest to chemical and civil engineering students, as well as to wood science students.

Among his latest research initiatives are a multi-university effort to recycle timber from old Navy piers and a study with the U.S. Forest Products Laboratory of methods to recapture volatile organic compounds from industrial wood processing plants.

Roberto Lopez-Anido keeps a section of experimental bridge decking in his Boardman Hall office. Pound for pound, the lightweight cellular structure is stronger than reinforced concrete and was made with a knitted fiber cloth from Brunswick Technologies Inc., of Brunswick.

The new fiber-reinforced polymer (FRP) composite could dramatically extend the life of bridges, reduce maintenance costs and ultimately save tax dollars. Those promises, however, must be confirmed by research. As one of UMaine's newest faculty members in AEWC, Lopez-Anido is generating the data to do just that.

Lopez-Anido, a native of Rosario, Argentina, says the new Center was one of the factors that attracted him to Maine. "There are other universities working on composites or on wood applications for infrastructure, but there is no other center combining both technologies. It is very attractive for young faculty because it provides an environment to grow and interact."

In addition, he notes that there is close interaction between AEWC students and faculty. "The students here seem to have a good sense of belonging. They work closely with the faculty. They're not here just to get a degree and walk away. They're more like partners," he says.

Lopez-Anido came to the U.S. in 1991 and received his Ph.D. in civil/structural engineering from the West Virginia University in 1995. For the past three years, he worked there as a research scientist and helped to develop the new FRP bridge deck.

"The problem we have in bridges is that concrete lets moisture seep in through microcracks or diffusion. In the winter, de-icing chemicals will reach the steel reinforcement and start the corrosion process," Lopez-Anido explains.

"This new material does not corrode like steel or rot like untreated wood. There are some things we need to be careful of. Ultra-violet (UV) light may affect it if it's not properly coated or if it doesn't have UV inhibitors."

Tests must be run to determine how well the material performs under the constant pounding of traffic in both cold and hot weather. In June, Lopez-Anido began testing new FRP deck systems from various manufacturers under cyclic loads in temperatures ranging from -22 degrees to 120 degrees F. The work is sponsored by the Ohio Department of Transportation and was performed at the U.S. Army's Cold Regions Research Engineering Laboratory in Hanover, N.H. ▲

Oral Exams

"Cognitive Reactivity in Seasonal Affective Disorder," by Kelly Rohan, candidate for Ph.D. in psychology, 2:30 p.m., Oct. 16, 203 Little Hall.

"Molten Film Tension Measurement and Multi-Layer Film Casting of LDPE and LLDPE Melts," by Baigui Bian, candidate for Ph.D. in chemical engineering, 1:15 p.m., Oct. 19, 222 Jenness Hall.

"The Low Green Prairies of the Sea: Economic Usage and Cultural Construction of the Gulf of Maine Salt Marshes," by Kimberly Sebold, candidate for Ph.D. in history, 1:30 p.m., Oct. 20, 117 North Stevens Hall.



Members of UMaine's LET'S (Learning and Exploration Through Service) Volunteer Alternative Spring Break Program, left to right, Chuck McKay, Jon Doty and Angela Melanson, posed for "mug shots" during Family and Friends Weekend Organizational Fair.

Students are selling the stoneware University of Maine mugs, created by Elm Street Pottery of Orono, to raise money to send UMaine volunteers to alternative break sites in March. Last year, 20 members of the University community took part in UMaine's first alternative break, spending a week at the United Methodist Relief Center repairing homes of low-income families. This spring, alternative break organizers hope to again work in South Carolina, as well as at two other sites around the country. Under consideration are alternative break locations in the Appalachian region and Detroit's inner city. The mug sale, ongoing throughout the semester, is one of many fund-raising activities planned to support alternative break. University of Maine mugs are \$15 and available by contacting Dan Lord on FirstClass, or Muffy Eastman, 581-4194.

Photo by Kathryn Rice

Look Who's On Campus

ELIZABETH GARBER, associate professor of art education at the University of Arizona, will speak at 7 p.m., Thursday, Oct. 29, 206 Rogers Hall, on "Thinking About Chicana/o Art" to open the Department of Art Guest Lecture Series. Garber teaches courses on contemporary art and theory, women's issues, cross-cultural and diversity issues, and curriculum theory. Her numerous publications and presentations have explored aspects of feminist art criticism and theory, feminist aesthetics, women's experience and other issues of diversity. Garber has won numerous awards for her contributions to scholarship on women's issues in art and education, and for her committed activism on the part of women. Her current research integrates work in feminist criticism and aesthetics with her long-term interest in Chicana artists and artforms. She is particularly interested in how Chicana artists use art as a form of intellectual engagement with mainstream cultures. Garber is interested in the cultural and physical sense of place these artists express through their art.

Documentary filmmaker **ZEV KEDEM**, who survived the Holocaust as one of the 1,100 people on Oskar Schindler's List, will keynote Peace Week '98: "Confronting Intolerance: How Do We Move From Oppression to Compassionate Justice." He will talk at 7 p.m., Monday, Oct. 26, Maine Center for the Arts, on "Schindler's List: Remembering the Past to Create a Just Future." The following morning, "Breakfast Conversation with Zev Kedem" will take place from 8:30-10 a.m., Dexter Lounge, Alford Sports Area. Kedem was 8 years old when he was sent from his Krakow home to Aushchwitz. He endured the horrors of six concentration camps, ultimately surviving by being placed on Schindler's List. Kedem calls those years his "alternative education." Liberated in 1945 at the age of 11, Kedem was sent to an orphanage in England. He received a degree in engineering from Oxford and moved to Israel. There he became immersed in the ancient history of Jerusalem and produced two documentaries. Kedem consulted on and appeared in Steven Spielberg's Oscar-winning *Schindler's List*.

Directory Changes

Ethel Hill, Coordinator of Program Support Services, 124 Chadbourne
Phone: 581-3072

News at a Glance

CENTURY-OLD INSECTS INTRODUCED TO NEW TECHNOLOGY

A new database is facilitating entomology research in the Insect Museum of the Department of Biological Sciences.

The database, expected to be completed in the next two years, will be used to organize the more than 107,000 insect specimens. According to Steve Woods, associate professor of entomology and museum curator, the database will replace handwritten labels on each specimen and will make it easier for researchers using the collection to retrieve and cross-reference information on particular specimens and species. The database also will be made available on the World Wide Web.

Woods and Kathy Murray, research assistant professor, spent the summer beginning to build the database and training students to enter information. To date, data on more than 1,000 specimens has been entered.

The Insect Museum on the fourth floor of Merrill Hall is primarily used for University research. Specimens in the museum date to the late 1800s, when faculty in the Department of Zoology began regularly contributing their collections.

The museum includes the historically significant Patch Collection. Established by the internationally renowned UMaine entomologist Edith Patch, the aphid collection is currently on loan to a national museum in Ottawa.

Also found in the insect museum is one of the most extensive collections of aquatic insects in New England, with a particularly important collection of mayflies. Although 95 percent of the specimens are indigenous to Maine, there also is a small collection of tropical insects.

CULTUREFEST KICKS OFF INTERNATIONAL WEEK

The University will celebrate some of its many global connections during International Week, Oct. 31-Nov. 8.

International Week is the first campuswide celebration of its type in recent years, made possible by collaboration between the Office of International Programs, the Canadian-American Center, Hudson Museum and the Maine Folklife Center.

Culturefest '98 will start the nine-day observance on Saturday, Oct. 31. The popular fall event provides international students an opportunity to share aspects of their culture with other members of the University community. Cultural exhibits from different countries will be on display 11 a.m.-5 p.m. A 2 p.m. talent show, with entertainment from dancing to singing and instrumentals, will be followed by a style show featuring students wearing traditional costumes. Throughout the day, ethnic food will be on sale.

Culturefest will be followed on Nov. 1 with International Sports Night at the Field House. From 6-10 p.m., members of the University community are invited to participate in demonstrations of international games such as cricket and bocci. Coordinating the evening is Catherine Gallant, a graduate assistant in recreational sports.

Throughout the week, international films and lunchtime dialogues on global issues will be featured. A Japanese Tea Ceremony will be held Nov. 4. A workshop for K-12 educators will highlight Canada in the classroom. See the UMaine Calendar for details of specific events.

Among the internationally known speakers coming to campus are John Ralston Saul, one of Canada's most respected writers and thinkers, speaking Nov. 3 on "North America and the Global Experiment." Jaime Awe of the Department of Anthropology at the University of New Hampshire will speak that same day on "The Role of Caves in Ancient Maya Society." Canadian fiction

writer Alistair MacLeod will give a public reading from his collection of short stories on Friday, Nov. 6.

International Week culminates with the first annual Folk Traditions Festival, Nov. 6-7, focusing on Nova Scotia and its Gaelic culture. The music, dance and storytelling of the region will be celebrated in lectures, workshops and performances. Nov. 8 the Quebec Chamber Orchestra will perform.

TALKS HIGHLIGHT MAINE ARCHAEOLOGY AWARENESS WEEK

In observance of Maine Archaeology Awareness Week, Oct. 19-25, the Maine Archaeological Society will hold its fall meeting at the University of Maine.

Highlighting the meeting on Sunday, Oct. 25, 107 Corbett Business Building, will be three public talks by members of the University community. At 11 a.m., Karen Mack, a graduate of the Institute for Quaternary Studies, will speak on "The Bob Site, Archaic Through Ceramic Occupation Periods on Pushaw Stream." Alice Kelley, an instructor in the Department of Geological Sciences, will follow with a talk on "Geoarchaeology at Gilman Falls."

At 1:30 p.m., David Sanger, chair of the Department of Anthropology, will speak on "8,000 Years of Prehistory in the Old Town Region."

STUDENTS TAKE SECOND PLACE IN ENERGY CHALLENGE '98

A UMaine student team won second place at the Energy Challenge '98 collegiate competition in Atlanta last month at the Institute of Paper Science and Technology.

UMaine was one of eight colleges nationwide to participate in the contest that involved designing and constructing a package made solely of chemical wood pulp, secondary wood cellulose and paper chemicals to protect a raw egg when dropped up to 20 feet onto a solid surface. Teams also were judged on their initial project proposal and two reports submitted to contest officials.

A team from the University of Colorado at Denver won top honors and received \$15,000 for its school; Georgia Institute of Technology received third place in the contest.

The competition, sponsored by the U.S. Department of Energy, the Institute of Paper Science and Technology (IPST), Hercules Inc. and the pulp and paper industry, fosters education and awareness of manufacturing design efficiency, packaging technology, recycling, waste minimization, and pulp and paper industrial processes.

UMaine team members were Joshua Mathews, Maria LeBlanc and Peter Tessier. Doug Bousfield, associate professor of chemical engineering and team advisor, traveled to Atlanta with Mathews for the competition.

MAINE STEIN SONG AMONG TOP 10 COLLEGE FIGHT SONGS

The *Stein Song* is ranked as the sixth-best college fight song in the country, according to a new book due out this fall.

College Fight Songs: An Annotated Anthology, by William Studwell of the Northern Illinois University faculty, says the *Stein Song* has a "great melody." Notre Dame's *Victory March* is No. 1, followed by fight songs from the University of Michigan, University of Wisconsin, Yale and the U.S. Naval Academy.

UMaine's *Stein Song* is No. 6, followed by songs from the University of Southern California, Georgia Tech, the University of Texas and Ohio State. The book includes the lyrics, music and history of 66 fight songs. Studwell is described as a musical historian who is recognized as a leading expert on Christmas carols.

R&D *continued from page 1*

explosion of microbes such as red tide; ecosystem health, including fish and shellfish health; and basic oceanography of the Gulf of Maine.

▼ Agriculture and forestry, where funding matches will be made with federal McIntire-Stennis formula funds; new faculty and equipment; water quality assessment for Maine; potato genetics development; blueberry and cranberry research.

▼ Biotechnology, including plant and fish disease resistance and genetics.

▼ Computer software engineering, where funding matches for federal investment in computer science, spatial information and science engineering, and electrical and computer engineering will make possible projects like UMaine's link to the new high-speed Internet 2.

▼ Advanced materials, including composite materials research; new equipment and support for faculty in civil engineering, wood science and chemistry.

"This is operating money for people and matching funds," says Jacobson. "The upcoming bond money is for bricks and mortar – capital improvements and modernization of labs. Most of our buildings for research were constructed in the '40s and '50s before the times of huge electrical demands, the need for proper ventilation and state-of-the-art equipment of modern research. Science and technology, as well as the tools needed in research, have leaped forward since these buildings were built. Across the country, schools are realizing this and modernizing their buildings to keep up with technology.

"Passage of the upcoming bond will start us on our way to getting the most out of our existing buildings. The next step will be constructing new buildings for these research and teaching purposes."

Bond issue monies are expected to be earmarked for construction of a food science pilot plant, which is waiting for state matching funds for a \$550,000 federal grant approved five years ago. The expansion of Hitchner Hall will have implications in marine and biological sciences research. The Aquaculture Research Center on campus will be upgraded, and Boardman Hall will be renovated.

"Such capital investment is why a bond issue is so important," says Jacobson. "We are identifying critical needs to develop synergies among researchers to move areas of research forward. We are held back when there are no places to put them. Capital investment, coupled with operating monies to hire people and purchase equipment, must go hand in hand." ▲

"THEORY AND CRITICAL PRACTICE" DISCUSSIONS BEGUN

A group of faculty members from a number of different departments have begun a discussion about the possibility of a minor in "Theory and Critical Practice," which would be useful in a wide variety of majors. This minor would provide students with the necessary philosophical grounding and would allow for work in practical applications, in addition to basic theoretical inquiry.

Beyond that, the faculty members are interested in forming a theory and critical practice discussion group, possibly with lunchtime meetings and presentations.

If you would be interested in joining the work group that is discussing the minor, contact Welch Everman via FirstClass. The group hopes to include as many disciplinary areas as possible and needs your input and expertise as it looks at existing courses that might be useful in setting up this minor. If you are already teaching any courses that might be applicable to a minor in "Theory and Critical Practice," let Everman know.

The next meeting of the work group is Thursday, Oct. 22, 10 a.m., Levinson Room, Maples. Plan to attend if you can; communicate your interest to Everman whether or not you plan to attend the next meeting.

ASTROFEST TO CELEBRATE OUR PLACE IN SPACE

People of all ages will have a chance to walk among the planets at the UMaine Astrofest Saturday, Oct. 24.

The Astrofest's day activities from 9 a.m.-3 p.m. will provide an opportunity to walk through a scale model of the planets, as well as listen to astronomers, teachers, star gazers and storytellers talk about topics ranging from the astronaut experience to what to look for when buying a telescope. A number of mini-lab activities will be set up to help participants explore the sky.

An evening Star Party is planned from 7-10 p.m., weather permitting.

Jordan Planetarium director and Astrofest organizer Alan Davenport describes the Star Party as a "bunch of telescopes (and people) focused on the sky." The public is invited to use the telescopes, and a number of astronomers will be available to answer questions.

"Hopefully, people will develop an appreciation and better understanding of the universe around us," Davenport said. "And perhaps they will improve their basic skills for observing and enjoying the universe in their own backyard."

The free public event, sponsored by the Planetarium and the Penobscot Valley Star Gazers, will take place in the Jordan Observatory, Planetarium, and Union.

- 9:15 a.m. Planetarium Program
- 10:15 a.m. Storytelling, Damn Yankee; and Planetarium Program
- 11 a.m. "Discovering the Biggest Thing in the Universe," by David Batuski, FFA Room
- 12:15 p.m. Storytelling, Damn Yankee; Planetarium Program; and "Buying a Telescope," Observatory (FFA Room in inclement weather)
- 1 p.m. "Exploring Jupiter: The Galileo Mission," by Dawn Rensema, FFA Room
- 2 p.m. "The Astronaut Experience," by Richard Glueck, FFA Room
- 2:15 p.m. Planetarium Program
- 3 p.m. Storytelling, Damn Yankee
- 7-10 p.m. Star Party, Observatory (clear skies permitting; call 581-1348 after 6 p.m. to verify that the event will be held)

University of Maine Printing Services and The Department of Public Affairs

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Wednesday, October 21, 1998

11 a.m. – 1 p.m.

Keyo Public Affairs Building

Technology Expo

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(on the 1/2 hour)
- **Q & A with Staff Members**

★ **Door Prize**

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FREE notepads & pens for attendees

Deirdre Mageean, interim director, Margaret Chase Smith Center for Public Policy: "Demographic Techniques for Cohort Analysis and Population Trends," *Handbook of Research Methods in Public Administration*, eds. G. Miller and M. Whicker, Marcek Dekker Inc. (October 1998).

Dorothy Klimis, associate professor of clinical nutrition, and Peiyang Yang, post-doctoral fellow at the University of Houston at MD Anderson Cancer Center: "Manganese Deficiency Alters Arterial Glycosaminoglycan Structure in the Sprague-Dawley Rat," *The Journal of Nutritional Biochemistry*, 9(6):324-31.

Howard Segal, Bird & Bird Professor of History: "Technology, History, and Culture: An Appreciation of Melvin Kranzberg," *Virginia Quarterly Review*, 74:641-653 (Autumn 1998).

Cathy Tower, literacy education master's student: "Making Room for Laughter: The Use of Humor in the Writing Classroom," *New England Reading Association Journal*, 34:2 (1998).

Dorothy Breen, associate professor of counselor education, and Sue Daigneault, Appalachian State University: "The Use of Play Therapy with Adolescents in High School," *International Journal of Play Therapy*, 7:1 (1998).

Kelly Chandler, recent literacy education doctoral graduate, and Gail Gibson, teacher, Mapleton (Maine) Elementary School: "Making Reading Partners An Integral Part of the Reading-Writing Curriculum," *New England Reading Association Journal*, 34:2 (1998).

James Artesani, assistant professor of special education, and Lucy Mallar, special services coordinator, MSAD 34: "Positive Behavior Supports in General Education Settings: Combining Person-Centered Planning and Functional Analysis," *Intervention in School and Clinic*, 34:1 (September 1998).

Jeffrey Hecker, associate professor of psychology; **Christine Fink**, former graduate student in psychology; **Nancy Vogeltanz**, former graduate student in psychology; **Geoffrey Thorpe**, professor of psychology; and **Sandra Sigmon**, associate professor of psychology: "Cognitive Restructuring and Interceptive Exposure in the Treatment of Panic Disorder: A Crossover Study," *Behavioural and Cognitive Psychotherapy*, 26:115-31 (1998).

Berardo Escalante, former Fulbright Scholar and graduate assistant, and now director of the Tissue Culture Laboratory, National University of Cajamarca, Peru; and **Alan Langille**, professor of agronomy and cooperating professor of botany: "Photoperiod, Temperature, Gibberellin, and an Anti-gibberellin Affect Tuberculation of Potato Stem Segments *In Vitro*," *HortScience*, 33(4):701-03 (July 1998).

John Richardson, former grad student in civil engineering, and **Vijay Panchang**, professor, School of Marine Sciences: "Three-Dimensional Simulation of Scour-Inducing Flow at Bridge Piers," *Journal of Hydraulic Engineering*, 124(5):530-40 (May 1998).

Tsutomu Ohno, associate professor of soil chemistry, and **Paul First**, former National Resources Program undergraduate: "Assessment of the Folin and Ciocalteu's Method for Determining Soil Phenolic Carbon," *Journal of Environ. Qual.*, 27:776-82 (1998).

Professor **Michael H. Lewis**, Art Department, has a one-person painting exhibition, *Recent Maine Landscapes*, at the Steven Scott Gallery in Baltimore. The show runs Oct. 1-Nov. 28. In addition, a recent painting by Lewis, *Clearing*, was reproduced in the September 1998 issue of *Down East* magazine. It appears in the section called "Portland's Fall Season." And Lewis had a two-person exhibition with adjunct professor **Nina Jerome**, *Radiant Passage*, at Gallery 357 Main in Rockland. The exhibition ran July 15-29.

COMPREHENSIVE FEE PROGRAM FUND APPLICATIONS

The Comprehensive Fee Program Fund Committee is accepting funding applications for this academic year. The committee administers the disbursement of program funds set aside to facilitate recognized student organizations sponsoring events that meet the diverse social and cultural needs of our student body. Applications are available at the offices of Student Government, Association of Graduate Students, the Union Board, and the Dean of Students and Community Life. Proposals must be received and reviewed by the committee prior to the event taking place. Committee meetings are: Oct. 19; Nov. 2; Nov. 16; Nov. 30; Dec. 14.

Book Ends

New & Noteworthy at the University Bookstore

Daniel Defoe: The Life and Strange Surprising Adventure, Richard West (Carroll & Graf 1998). By the year he was imprisoned for his Puritan pamphleteering, Defoe had written over half a million words and founded a newspaper. Defoe's most famous novel, *Robinson Crusoe*, acclaimed as being the world best-seller of all time, granted him literary immortality. Despite this, he was never able to eke out a living even by his pen. Consistent only in his failure as a businessman, Defoe could not adequately provide for his wife and six children. Tradesman, journalist, novelist, satirist, soldier, spy – the many colorful facets of Defoe's life come to light in this new biography.

Leonardo's Mountain of Clams and the Diet of Worms, Stephen Jay Gould (Harmony Books 1998). This new collection of Stephen Jay Gould's essays from *Natural History* magazine (the longest running series of scientific essays in history) is also the first of the final three such collections, since Gould has announced that the series will end with the millennium. Rather than a history of nature itself, these essays are mostly a consideration of how humans have learned to study and understand nature. Gould eloquently examines puzzles and paradoxes of the diversity and order of nature and humanity.

Comanche Dawn, Mike Blakely (Forge 1998). Through the eyes of a young warrior named Horseback, Mike Blakely tells the story of how the Comanche mastered horsemanship and, in a single generation, became the fiercest warriors of the plains. Born on the very day that the first horse comes to his people, Horseback matures into a leader of uncommon courage and vision. This historical novel tells of the Comanche's everyday life, their momentous encounter with horses that brought about the rise of the Comanche Nation, and the strangers who would take away that glory.

Notable new books:

The Hundred Days, Patrick O'Brian (Norton 1998)
Work in Progress, Michael Eisner (Random House 1998)
Edison: A Life of Invention, Paul Israel (Wiley 1998)
I Was a Teenage Fairy, Francesca Lia Block (Harper Collins 1998)

In other Bookstore News:

- ▼ Homecoming extended hours – Saturday, Oct. 17, 9 a.m.-5 p.m.
- ▼ University Bookstore Computer/Science/Technical Book Fair, Wednesday-Saturday, Oct. 21-24. Save on featured titles. Visit with publishers representatives Oct. 22-23. Giveaways.
- ▼ The annual Share Our Strength/Writer's Harvest Poetry Reading will be Thursday, Oct. 29, 7-9 p.m. The reading benefits local food banks. Readings are held nationally on this day.

Career Center Corner

Career Center, 3rd floor, Chadbourne Hall

The Peace Corps is back on campus, and the Maine Peace Corps Representative Ted Wells has office hours at the Career Center in Chadbourne Hall. Wells has twice been a volunteer, once in the early 1970s and again in 1997, both times in West Africa, teaching school, digging water wells and working with Liberian refugees. He is interested in getting the word out about Peace Corps opportunities to UMaine students.

The Peace Corps is growing and interested in recruiting more volunteers. Currently there are 6,700 volunteers in more than 70 developing countries. UMaine, with strong education, business, liberal arts, and agriculture and forestry programs, is a natural.

The benefits? All-expenses-paid college loan deferments, two years of Peace Corps experience on your resume for graduate school, three months of excellent technical, language and cross-cultural training. The Peace Corps provides a unique experience, living and working overseas at the local level – a chance to make a difference in the lives of people.

Interested in HIV/AIDS education for young Guatemalan mothers? Or in helping to reforest the West African Sahel? Drop by the Peace Corps office in the Career Center. Hours each week are Monday and Wednesday, 2-4 p.m.; Tuesday, 2:30-4 p.m.; and Friday 9-11 a.m. Call Ted Wells, 581-1366, any time for an appointment.

Sue Estler, associate professor of education, is this year's recipient of the Janet Badger Volunteer Award, presented by Rape Response Services of Bangor and Dover-Foxcroft. Estler was recognized for her dedicated service to the agency for the past 10 years. She was instrumental in the start of Rape Response Services a decade ago, and recently completed

a long tenure on the board of directors, where she took a leadership role in developing personnel and board policies.

Beth McKillen, associate professor of history, has won a major grant from the American Council of Learned Societies. McKillen was one of 62 scholars selected from 529 applicants nationwide to receive ACLS Fellowships for post-doctoral research in the humanities and humanities-related social sciences. During her 1998-99 sabbatical leave, McKillen will use the grant to research the subject of "Workers' Control and Wilsonian Internationalism: Local Labor Insurgencies, Transnational Immigrant Communities and U.S. Foreign Relations, 1912-1929."

Lyombe Eko, assistant professor of journalism and mass communication, attended the 48th Annual Conference of the International Communication Association in Jerusalem, July 20-24. He presented a refereed paper: "Loaded Drawings: The Portrayal of American Presidential Elections in French Press Cartoons, 1972-1996," at a Visual Communication group session. He also chaired and was a respondent for a visual communication session, "Graphic Realities."

James McConnon, Extension business and economics specialist and associate professor of resource economics and policy, and **Georgianne Artz**, graduate research assistant, presented a paper, "Analyzing the Economic Health of a Community's Retail Trade Sector," at the annual Northeast Agricultural and Resource Economics Association meetings, Cornell University, June 21-23.

Jane Morse, lecturer in English, presented a paper on "Beatrix Potter: Religious Connections and Influences" at the Beatrix Potter Society International Conference in Ambleside, Cumbria, July 17-24.

Instructor of Music **Ginger Yang Hwalek** served as the conductor for both the Junior and Senior Piano Monster Festivals, sponsored by the Music Department at Plymouth State College, New Hampshire, June 21-28. She also attended the Sept. 18-20 Music Teachers National Association Summit for Leadership in Cincinnati. Hwalek is the president of the Eastern Division of MTNA.

Max Egenhofer, NCGIA director, associate professor in spatial engineering science and engineering, and cooperating associate professor in computer science; and **Harlan Onsrud**, associate professor in spatial information science and Engineering, attended the Advisory Board Meeting of NCGIA's Varenus project to advance geographic information science, held in Santa Barbara Feb. 27-March 2.

Professor of History **Jay Bregman** presented a paper, "Hellenic Religions in the Thought of A. Hilary Armstrong," for a panel he organized and chaired on Neoplatonism and Cambridge Platonism at the second annual New York City Conference on the History of Philosophy and Religion, Hunter College, CUNY, May 1-3. He also presented a paper, "American Art and Neoplatonism," and chaired another panel at the International Society for Neoplatonic Studies conference on "Neoplatonism and Western Aesthetics," at the University of Crete, Rethymnon, Greece, July 27-Aug. 1.

Jim McClymer, associate professor in the Department of Physics and Astronomy, attended the 17th International Liquid Crystal Conference in Strasbourg, France, and presented a poster, "Probe Diffusion in Lyotropic Nematics," co-authored with graduate student **Geetha Seshayyar** and **Wendi Batchelor** (currently at the Colorado School of Mines). McClymer also attended the Fourth Microgravity Fluid Physics and Transport Phenomena Conference in Cleveland, and presented a paper, "Diffusing Wave Spectroscopy: A Coherence Story," at NASA Lewis Research Center to the Microgravity Fluids and Combustion Division.

Karen Boucias, director of the Office of International Programs, attended Governance meetings of the College Consortium for International Studies in Fort Lauderdale, Sept. 24-27. She has been appointed a member of the Strategic Planning Committee for CCIS, and will also review the CCIS program in Ireland.

RIESS NAMED TO THE PARK SERVICE LANDMARKS COMMITTEE

Warren Riess, a research associate professor of history and marine sciences at the Darling Center, has been named to the Landmarks Committee of the National Park Service Advisory Board. The board, made up of eight members, is responsible for choosing National Historic Landmark sites.

The new eighth position on the committee was created to include a noted expert on maritime history.

"My office has worked with Dr. Riess for many years, and I think Maine and the University can be pleased that the Secretary of the Interior has seen fit to choose him for this position," says Robert Bradley, assistant director of the Maine Historic Preservation Commission.

Riess, director of the Maine Archaeological and Historical Research Institute in Bristol, conducts research focusing on the history and archaeology of the early American merchant trade and navy. In 1999, Texas A&M Press will be publishing his book on his archaeological excavation of an 18th century merchant ship in Manhattan.

Since 1994, Riess has directed a team of researchers that found the remains of ships from the *Penobscot Expedition*. Remains of the Revolutionary War ships are at the bottom of the Penobscot River.

According to the National Park Service (NPS), National Landmark is a designation given to properties that "possess exceptional value or quality in illustrating and interpreting the heritage of the United States." Based on the recommendation of the committee, the Secretary of the Interior designates the site a landmark.

Peggy Agouris, assistant professor, Department of Spatial Information Science & Engineering and NCGIA; **Anthony Stefanidis**, research faculty, NCGIA; and **Sotirios Gyftakis**, graduate student, Department of Spatial Information Science & Engineering, attended the Symposium of Commission III of the International Society for Photogrammetry & Remote Sensing in Columbus, Ohio, July 6-10. Gyftakis presented a paper on "Using a Fuzzy Supervisor to Support Object Extraction Within an Integrated Geospatial Environment," co-authored by Agouris and Stefanidis. Stefanidis presented a paper on "Intelligent Retrieval of Digital Images from Large Geospatial Databases," co-authored by Agouris and **James Carswell**, a graduate student.

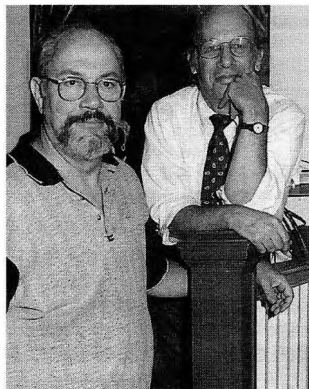
Bob White, Jim Toner, Barbara Howard, Ethel Hill, Sharon Barker, Jerry Ellis, Linda Rottmann, Mary Ann Devoe, Andrea Gifford, Mabel Carmichael, Wanda Westley, Michele Rowles, and Dawn Roy represented the Division of Life Long Learning at the Senior Expo at the Bangor Civic Center Sept. 25-26. Howard and Hill made a presentation on "Exciting Educational Opportunities for Seniors" Sept. 25.

William Stone, professor emeritus of psychology, and doctoral student **Mark Walter** attended the Annual Scientific Meeting of the International Society of Political Psychology, Montreal, July 12-15. Stone presented a paper, co-authored by Walter, "Attitudes and Voting: Maine's Gay Rights Referendum."

Gene Del Vecchio, associate professor of Spanish, attended the International Association of Hispanists Meeting in Madrid, Spain, July 31-Aug 4. There he read a paper, "The Romantic Imagination in Calderon's El pintor de su deshonra."

Amy Fried, assistant professor of political science, presented the paper, "On Red Capes and Charging Bulls: How and Why Conservative Politicians and Interest Groups Promoted Public Anger" (co-authored with Douglas Harris of Johns Hopkins University), and participated in the concluding roundtable discussion of the Hendricks Symposium on Public Dissatisfaction with Government in the United States, Oct. 9-10, University of Nebraska.

Sept. 16, **Steve Sader**, professor of forest resources, presented a pre-proposal to NASA program managers and Central American ministers of environment and their designees (Costa Rica, Nicaragua, Panama, Honduras, El Salvador, Belize, Guatemala and Mexico). The pre-proposal is the centerpiece of a NASA memorandum of understanding (MOU) with Central America and Mexico to establish a cooperative research program for monitoring the Meso America biological corridor. Sept. 17, Sader participated in a Maya tri-national meeting, sponsored by Man and the Biosphere Program, to plan for the production of a Maya Region (Mexico, Guatemala, Belize) Forest Vegetation Map. Both meetings were held at NASA-Marshall Space Flight Center in Huntsville, Ala.



Two visiting scholars with the Franco-American Centre are contributing their experience and scholarship to the ongoing effort to build the Franco-American Studies program at UMaine. Dean Louder, left, a professor in the Department of Geography, Université Laval, and Franco-American playwright Grégoire Chabot will be resources and will teach Franco-American Studies courses this academic year. In addition, the two researchers will join the Franco-American Centre's Academic Advisory Council, and participate in

Franco-American Studies curriculum development and research planning. Louder and Chabot together have more than 50 years of experience and research involving French communities in North America. Louder's most recent book is *French America: Mobility, Identity and Minority Experience Across the Continent*. Chabot's plays include *Sans Atout*, *Chère Maman* and *Un Jacques Cartier Errant*, all three of which have been published by the University of Maine Press. Louder is scheduled to teach a new Franco-American Studies course during May Term on the French presence in North America, with emphasis on New England and Maine. Chabot, who received a master's degree in French literature from UMaine in 1971, first taught a Franco-American Studies course in play writing on campus last spring. Next semester or next summer, he will teach Franco-American Contemporary Theater: Play Writing, and Franco-American Contemporary Theater: Play Production. This academic year, Franco-American Studies courses are part of the curriculum. Next semester, and during May Term '99, two courses will be offered.

Media Spotlight

Quaglia in *Better Homes and Gardens*

A story in the October issue of *Better Homes and Gardens*, "Turn School Lessons into Life Lessons," leads with comments by Russ Quaglia, director of the National Center for Student Aspirations at UMaine. Quaglia, one of a handful of national education experts, notes that the sense of fun and adventure children have in going to school begins to wane by third grade. By seventh grade, peers are paramount in their lives, and by high school, students are talking about school as "some kind of prison." Among the recommendations to keep students interested in school: Parents should build on a child's success and talk about their own experiences with boredom in school, letting children know they are not alone in their feelings.

Baktiari in *Christian Science Monitor*

The Sept. 30 *Christian Science Monitor* includes a column, "Testing the Seriousness of Iranian Reforms," written by Bahman Baktiari of the UMaine political science faculty. The column examines the "struggle for power" between reform president Mohammad Khatami and hard-line conservatives.

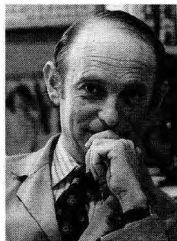
Fried in *New York Times*

The Sept. 30 *New York Times* included a letter-to-the-editor from Amy Fried of the UMaine political science faculty. The letter was written in response to a Sept. 24 op-ed column that said that members of Congress should pay attention to public opinion polling, which shows support for President Clinton. Fried wrote that members of Congress are more inclined to be interested in the opinion of their own constituencies. In reference to Republicans with possible presidential aspirations, she wrote that those people had to concern themselves with "voters linked to the religious right," whose future support will be important.

MAINE PERSPECTIVE FALL PUBLISHING SCHEDULE

Oct. 30 (copy deadline Oct. 16); Nov. 13 (copy deadline Oct. 30);
Nov. 27 (copy deadline Nov. 13); Dec. 11 (copy deadline Nov. 27).

We Remember



Melvin Gershman

Mel Gershman, professor emeritus of microbiology and animal and veterinary sciences, and a Distinguished Maine Professor, died Sept. 12 at the age of 71.

Gershman was a member of the University community for 40 years. He is remembered as a quintessential teacher, a dedicated researcher and a gentle humanitarian. He valued genuineness, advocated social justice and encouraged everyone to reach his or her full potential. He "read people well" – both through personal interaction and through the lens of a camera. He was a listener. Those whose lives he touched will not forget the warmth of his caring, the depth of his commitment to human understanding, and his ever-present challenge to seek truth and knowledge.

Gershman believed in having the courage to be decisive without the pretense of being definitive.

"His very presence said, 'I respect you. Let me hear your message, your truth. Perhaps you have something I must know, and I have something intended for you,'" noted Rabbi Harry Sky in Gershman's eulogy.

Gershman was a graduate of Ohio State University and the University of Massachusetts. Before joining the UMaine faculty in 1958, he taught bacteriology at Smith College.

At that time in Maine, poultry production was a major industry. Gershman's research focused on bacterial diseases and their transmission. He developed techniques that led to rapid isolation and identification of pathogens such as salmonella. His seminal work in Salmonella Phage Typing was used by the state Public Health Department and the national Centers for Disease Control. The Salmonella Serotyping Center he established at UMaine analyzed cultures from around the world.

In the 1970s, Gershman also became internationally known for his research on "germ typing" as a law enforcement tool for identifying criminals. Germ typing, an outgrowth of his years of extensive research in microbiology, was based on the fact that everyone possesses certain bacteria and germs that, singly or in combination, are unique to an individual.

Gershman was once described as "a scientist who delights in discussing music, literature and philosophy." The accomplished researcher was even better known on campus for his dedication to teaching. Gershman devoted almost four decades to teaching undergraduate and graduate students in learning environments that ranged from Honors courses and graduate seminars to introductory classes.

He was instrumental in helping develop UMaine's Honors curriculum. For more than 20 years, he taught a popular interdisciplinary course called Our Environment that engaged students in discussion and debate on topics ranging from air pollution to child abuse, mixing scientific background of issues with their societal context and controversy.

In 1977, Gershman was named Distinguished Maine Professor.

He retired from UMaine in 1992 and continued to publish up until last year.

He and his wife, Elaine Gershman, associate professor emerita of psychology and associate dean emerita of the former College of Arts and Sciences, were married for 48 years.

A memorial service will be held Thursday, Oct. 29, 4-5:30 p.m., Peabody Lounge, Union.

The Professor Melvin Gershman Scholarship Fund has been established in University Development.

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

FOR SALE

AUTOMOBILE: 1991 Nissan Sentra with 5-spd. transmission. Runs great. B0. Call 732-5322.

FIREWOOD: 16" cut, split and delivered. \$100/cord; dry \$125/cord. Call 827-7091.

FUTON COUCH: Full size, converts to a bed. Purchased at Richard Parks. Light birch wood, low back, interesting design. Excellent condition, off-white cotton cover. \$200. Call 990-0380 eves.

HOUSE: Elegant, well-maintained Victorian house, 8 rooms, 3-4 BR, in Little City area of Bangor. Walking distance to downtown, St. Joseph's Hospital, close to Broadway Park and Little City Park. Many nice features: two bathrooms, double living room with Italian fireplace and bay window, large main bedroom with marble sink and large closet/alcove, stained glass window, nice kitchen with slate sink, dining room, newel post light, tin ceilings, hardwood floors throughout, slate roof. Low maintenance yard. Large walk-up attic and attached shed for storage. Watch the July 4th fireworks from the second story rear deck. Prefer to sell, asking price \$69,900 (reduced from \$78,700). Rental price: \$800/month

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETINGS

The Institutional Animal Care and Use Committee (IACUC) would like to remind investigators/instructors that no research, teaching, or testing activities using live vertebrate animals shall be initiated until the IACUC has approved a protocol for such use. Listed below are the meeting dates for the fall semester. Completed Protocol Review Forms should be submitted two weeks before the meeting date in order to be reviewed at that meeting.

Protocol review forms and copies of the University's Policies and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498. The information is also available at the ORSP website, www.ume.maine.edu/~spd/index.html.

IACUC Meeting Dates (submit protocols at least two weeks before meeting date): Oct. 19; Nov. 23 and Dec. 14.

IACUC BIENNIAL TRAINING/ORIENTATION

The Institutional Animal Care and Use Committee's (IACUC) fall offering of its biennial training/orientation program on the care and use of animals will be Wednesday, Oct. 21, from 3-4:30 p.m., 427 Corbett Hall (across from the Gym). People who have attended previous training sessions do not have to attend. This campuswide training/orientation program is in compliance with federal regulation and the University's approved Animal Welfare Assurance. All faculty, staff and students who work with live, vertebrate, non-human animals are required to participate in the program. The IACUC will not act on protocols for approval of animal use until all project personnel have been certified as having completed the training program. Contact Gayle Anderson, Office of Research and Sponsored Programs, x1498, for registration information.

plus utilities, start October or November. Must see inside of house to appreciate. 51 Blackstone St. (1/2 block from Center Street). Call 947-0607, leave message).

HOUSE: Cardville Road, Greenbush. 2-BR home and garage on approximately 1-acre lot. New renovations include oak kitchen cabinets, tile bath, replacement windows, vinyl siding. Low taxes and insurance costs. Motivated sellers will negotiate and help with closing costs. \$55,000. Call 827-2308 to see. Leave message.

WOODSTOVE: Wood burning stove purchased through J.C. Penney. Good condition. Call 732-5322.

FOR RENT

APARTMENT: Orono. Large, sunny, 2-BR apartment with river views. Quiet, private location for responsible adults or a family. Convenient to UMaine. A must-see. \$550 plus utilities. No pets. Call 348-6764 or leave message, 348-5243.

SERVICES

DESKTOP PUBLISHING: Need help promoting your business or cause? Not enough time to do it all yourself? I am experienced in the desktop publishing/advertising industry and want to help you get the results you desire from your advertising literature. Quick turnaround time and very affordable prices. No job too big or small. Call Write Approach Desktop Publishing Services, 827-6179, and ask for Amy.

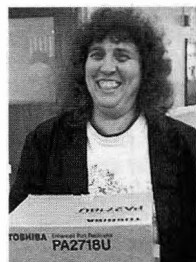
TREE REMOVAL SERVICE: Free estimates, many references. Seasoned firewood \$70 per 1/2 cord or \$130 per cord, delivered. Commercial woodsplitter rental, 4-way wedge, free delivery, \$65 per day or \$100 for two days. Call Gordon, 866-7034.

WANTED

BABYSITTER: Full-time babysitting position available in my Orono home from 8 a.m.-5 p.m., five days per week. Responsible all day for a 2-year-old, and, in the afternoon, a 4-year-old. References required. Call 866-7044.

CARPPOOL: Transportation needed Saturdays and some Sundays from Old Town to Eastern Maine Medical Center. Need to arrive at EMMC by 6:40 a.m. Will help pay for gas. Call 827-5379, leave message.

RESEARCHER: Research project to form the basis for a national bottle bill. Much groundwork done. This bill has been introduced several times to Congress but without the necessary infrastructure. Project entails developing methods and systems to enable a practical national bill. Experience with grant proposal writing a plus. If interested or for information, contact Jay, 942-2904/jpdresser@juno.com.



Maureen Dillane

COMPUTER FAIR SHOWS LATEST TECHNOLOGY

The Fall '98 Computer Fair last month provided prizes, as well as good opportunities to exchange ideas. UMaine's computer store, Computer Connection, hosted the fair at the Union to present new computer technology. Company representatives from Apple, Toshiba, Dell, and Xerox came from as far away as Texas to show their latest computer products.

Participants won prizes, including Maine atlases, T-shirts and laptop cases. A Toshiba Libretto, a palm-held computer, went to Maureen Dillane, a junior in human development and an Onward peer advisor.

Doug Marchio, manager of Computer Connection, says a similar event, designed to help people who are thinking about buying or upgrading a computer, will be held before the end of the semester. Special offers created for the Computer Fair are still available for a limited time in the Computer Connection, located in Shibles Hall. Call 581-2580.

DOROTHY CLARKE WILSON PEACE WRITING AWARD

Dorothy Clarke Wilson is an internationally known writer and peace-maker who lives in Orono. In 1925, while a student at Bates College, she won a prize for her essay, "Arbitration Instead of War." Dorothy Wilson says that this prize was the beginning of her lifelong commitment to research and writing on social issues and world peace. Now, to encourage today's students to share that commitment, she has established a \$500 annual award for the most compelling written work on the topic.

This year's topic: "Obstacle(s) to Peace."

The recipient will be determined by the Dorothy Clarke Wilson Peace Essay Committee. All undergraduate students currently enrolled at UMaine are eligible for the competition. Previous winners are not eligible.

TOPIC: The committee invites participants to address the topic, "Obstacle(s) to Peace," within any of the following contexts: social, campus, national, personal, global or universal.

AWARD: \$500

FORMAT:

Standard format: Typed, double-spaced, one-inch margins.

Length: Up to 750 words.

Copies: Two copies must be submitted.

Genre: Fiction, non-fiction, drama, poetry, essay or editorial.

Identification: Each copy must include a detachable cover sheet with the author's name, class, local address, phone number, e-mail/FirstClass and essay title. This title must also appear on the first page of the essay. The author's name should not appear there.

SUBMISSION: Send to the Dorothy Clarke Wilson Peace Award Committee, Wilson Protestant Student Center, 67 College Ave., Orono, ME 04473.

Deadline: noon, Oct. 28 (postmarked by Oct. 27).

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

COMMITTEE MEMBERS: Members of the Wilson Center Board of Directors, faculty (including Peace Studies representatives), students and the campus minister.

The winner should be able to attend the Wilson Center Annual Dinner on Friday, Nov. 14, to receive the award.

Positions Available

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

Assistant Professor/Speech-Language Pathology, Department of Communication Sciences and Disorders. Full-time, tenure-track faculty position. Qualifications: Required: Ph.D. and CCC-SLP; eligible for Maine license in speech pathology. Preferred: Areas of expertise to include: voice, augmentative communication, adult neurogenetics, or psycholinguistics. Review of Applications: Will begin 12/15/98. Position Available: 9/1/99. Contact: Send letter, curriculum vitae and names of three references to: Kimbrough Oller, Chair, Department of Communication Sciences and Disorders, University of Maine, 5754 North Stevens Hall, Orono, ME 04469-5754. Telephone: (207) 581-2006; email: kimoller@maine.edu

Lecturer Staff/Speech-Language Pathology, Department of Communication Sciences and Disorders. Ongoing faculty position. Qualifications: Required: CCC-SLP and Maine license in speech-language pathology at time of appointment. Special expertise in language development, along with considerable experience in clinical supervision and teaching at the University level. Preferred: Experience in working with government contracts to supply training in speech-language pathology. Review of Applications: Will begin 10/15/98. Contact: Send letter, curriculum vitae and names of three references to: Kimbrough Oller, Chair, Department of Communication Sciences and Disorders, University of Maine, 5754 North Stevens Hall, Orono, ME 04469-5754. Telephone: (207) 581-2006; email: kimoller@maine.edu

Financial Analyst, Office of Chief Financial Officer. Full-time, professional, one-year position with the opportunity for an extension of up to two additional years and possible conversion to an ongoing position. Qualifications: Required: Degree in business administration or related discipline; extensive experience in financial accounting and with spreadsheets such as Excel; substantial experience with statistical techniques such as linear regression, time series analysis and sensitivity analysis; and excellent written, oral and organizational skills. Preferred: Master's degree in business administration; extensive experience developing financial models, i.e. modeling sales to net profit in an expanding vs. declining market. Salary Range: \$32,000-\$36,000. Review of Applications: Will begin 10/20/98. Contact: Send letter expressing interest, resume and the names and phone numbers of three professional references to: Financial Analyst Search, Office of the Chief Financial Officer, University of Maine, Room 118, 5703 Alumni Hall, Orono, ME 04469-5703.

Dean, College of Engineering. Qualifications: Required: Doctorate in one of the disciplines represented in the College (chemical engineering, civil and environmental engineering, electrical and computer engineering, mechanical engineering, spatial information science and engineering, and the School of Engineering Technology), with credentials to qualify for the rank of professor with tenure in a discipline within the College. Strong record in research and creative achievement, teaching, service; the ability to work effectively with the academic and business community, including acquiring public and private support; and successful administrative leadership, including development and expansion of strong research programs, as well as evidence of support for cultural diversity and affirmative action. Experience must be commensurate with a tenured appointment at the University of Maine. Preferred: Demonstrated leadership abilities in the academic environment, documented experience in marketing academic programs and recruiting students. Review of Applications: Will begin 1/1/99 and continue until a qualified candidate is chosen. Contact: Send applications (which should include letter of interest explaining background, experiences, and qualifications for the position; current curriculum vitae; and names, addresses, telephone and fax numbers of at least three professional references) and nominations to: Chair, Dean of Engineering Search Committee, University of Maine, College of Engineering, Room 101, 5708 Barrows Hall, Orono, ME 04469-5708; Telephone: (207) 581-2218; Fax: (207) 581-2220.

EPSCOR (Experimental Program to Stimulate Competitive Research) Project Administrator, Office of Vice Provost for Research and Graduate Studies. Full-time, fiscal-year position contingent on funding. Funding for the first year is assured. Qualifications: Required: Bachelor's degree in business or a related field. Related experience may be substituted for a degree. Excellent organizational skills, writing and verbal communication skills and

demonstrated successful budget management skills. Occasional travel to partner institutions within Maine and to national meetings and workshops is required. Preferred: Familiarity with NSF grants and contracts protocols, the NSF "FASTLANE" system, University of Maine accounting and purchasing systems, and Microsoft WORD and EXCEL. Experience in organizing meetings and conferences. Salary Range: \$30,000-\$35,000, depending on experience and qualifications of the applicant. Review of Applications: Will begin 10/12/98. Contact: For confidential consideration, send resume and the names, telephone numbers, and addresses of three references to: Office of the Vice Provost for Research and Graduate Studies, Room 209, 5703 Alumni Hall, Orono, ME 04469-5703, attention Heather Almquist-Jacobson.

Assistant Women's Swim Coach/Aquatics Program Assistant/Lecturer in Physical Education, Department of Athletics. Full-time, fiscal-year position. Qualifications: Required: B.A. degree required, master's degree preferred; effective oral and written communication skills; collegiate or high school coaching experience; collegiate competitive swim experience; ability to travel, normally requiring a valid driver's license; and working knowledge of NCAA rules. Preferred: WSI, LGI and CPO; meet management experience. Review of Applications: 10/30/98. Contact: Jeff Wren, Head Swim Coach, 5747 Memorial Gym, Orono, ME 04469-5747.

Assistant to Associate Professor/Social Psychology, Department of Psychology. Tenure-track position. Qualifications: Required: Ph.D.; strong commitment to teaching at both the undergraduate and graduate levels; and commitment to and evidence of promise in research, as well as experience in securing external funding. Preferred: Postdoctoral experience and experience teaching diverse population of students. Desirable: Emphasis on social cognition. Review of Applications: Will begin 1/1/99. Start Date: 9/99. Contact: Send letter of application, which includes statement of teaching and research interests, curriculum vitae, copies of reprints/preprints, official transcripts, and three letters of reference to: Joel Gold, Chair, Department of Psychology, University of Maine, 5742 Little Hall, Orono, ME 04469-5742.

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

STUDENT ACADEMIC CONFERENCE TRAVEL FUND

The Student Academic Conference Travel Fund for Undergraduate Students will hold its first competition of the academic year. This fund serves undergraduate students who need financial assistance for travel to meetings/conferences of an academic nature. Applications must be submitted to the Office of Academic Affairs by Friday, Oct. 2. Money will be awarded for travel taking place between Oct. 3-Feb. 5. Applications can be obtained from Joan Day, Office of Academic Affairs, 201 Alumni Hall, or by calling x1547.

Request for Proposals

UMAINE - UNIVERSITY OF NEW BRUNSWICK EXCHANGE PROGRAM

We are now requesting proposals for the exchange program established between the University of Maine and the University of New Brunswick. Each university contributes \$5,000 annually to support this program with the expectation that closer institutional ties will develop among those who share common interests in this international region.

Funds are available to support exchanges between faculty members, professional employees and student groups for collaborative research, seminars, symposia and cooperative instruction.

Faculty and Professional Employees - Proposals for funding are invited. Those wishing support for activities during the fall/spring/summer semesters (1998/1999) should submit a brief proposal describing the nature of the exchange activity, personnel involved, duration, budget and anticipated benefits. Call to request an application.

For further information and submission of proposals, contact Raymond Pelletier, Canadian-American Center, 581-4220.

American Association of University Women Educational Foundation offers women scholars in the arts and sciences both one-year research fellowships and summer/short-term grants for the preparation of research publications. Deadline: Nov. 15.

Open Society Institute, part of the Soros Foundations network, awards Individual Project Fellowships for work in

the USA or abroad to promote open society, i.e. rule of law, democratically elected government, diverse and vigorous civil society, and respect for minorities and for minority opinions. Range of awards: \$15,000 - \$100,000. Deadline: Nov. 16.

National Institute of General Medical Sciences invites applications for post-doctoral or senior Fellowships in Quantitative Biology, enabling persons with a doctoral degree in a traditional quantitative discipline to undertake additional training in biomedical engineering, cell biology, molecular biophysics, genetics and developmental biology, pharmacology, physiology, or biological chemistry. Deadline: Dec. 5.

National Science Foundation's Professional Opportunities for Women in Research and Education (POWRE) Grants enable women scientists, mathematicians, and engineers to undertake research or education activities that are significantly different from those eligible for support from NSF's regular programs and that will contribute to an identifiable advance in the investigator's career path. Deadline: Dec. 9.

American Philosophical Society's new fellowship program for college and university faculty in the humanities and social sciences provides stipends of up to \$30,000 to extend sabbatical or other research leaves to an entire academic year. Application deadline for fellowships to begin January 2000: Dec. 15.

U.S. Army Research Office has issued a revised Broad Agency Announcement for FY99- FY01, covering research interests in biology, chemistry, electronics, engineering, mathematics, physics, and computer, environmental and materials sciences. Special programs include grants for Conferences and Symposia, Young Investigators, and Short Term Innovative Research.

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

CALL FOR PAPERS

The objective of the *Maine Management Review* is to present the practical implications of UMaine research to managers in both the private and public sectors. The *Review* invites articles from faculty and students in all disciplines. For further information, contact: John Ford, Maine Business School, 209 Corbett Business Building. (x1971; johnford2@maine.edu)

FACULTY RESEARCH FUNDS COMMITTEE ANNOUNCES DEADLINES

The Faculty Research Funds Committee is announcing FY99 deadlines for competitions. The deadline dates are listed below:

(Note: The Regular Faculty Research Fund and the Scientific Equipment and Book Fund competitions have the same deadline (October 30), but have separate application guidelines. If eligible, individuals may apply for both awards. Remember, funds requested must not depend on funding from other Faculty Research Fund competitions.)

Regular Faculty Research Fund Award	October 30
Scientific Equipment and Book Fund Award	October 30
Summer Faculty Research Fund Award	December 16

The Regular Faculty Research Fund Award supports work that can be completed in one year and provides research support other than faculty salaries. The Scientific Equipment and Book Fund Award is for the acquisition of equipment or library collections. The Summer Faculty Research Fund Award provides \$5,000 awards for faculty summer salaries for a minimum of 1.5 months research effort.

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

The Faculty Research Funds Committee represents a broad range of disciplines from the entire University of Maine faculty. Consequently, proposals should be written for a general audience (except the Methods and Materials section, where discipline-specific details are necessary). Applicants may contact Gayle Anderson, x1498, if they would like to review successful applications kept on file in the Office of Research and Sponsored Programs.

A total of \$145,000 has been allocated for these competitions. Approximately \$75,000 is budgeted for the Regular Faculty Research Fund Award and the Scientific Equipment and Book Fund Award combined (12-15 awards are expected to be made); and approximately \$70,000 is budgeted for the Summer Faculty Research Fund Award (14 awards are expected to be made).

The Committee is also announcing a deadline of March 17 for receipt of nominations for the Presidential Research & Creative Achievement Award. This award (in the amount of \$1,500) is made to a faculty member who has attained distinction in research or creative achievement.

Application packages are available in the Offices of the Deans and in the Office of Research and Sponsored Programs, 424 Corbett Hall, x1498. Applicants should make sure they use this year's application packages.

What's Ahead



ALCOHOL AWARENESS WEEK
October 19-23

PEACE WEEK
October 22-29

**PRESIDENT HOFF'S OPEN
OFFICE HOUR**
October 27 & November 10

**MARYANN HARTMAN
AWARDS CEREMONY**
November 10

**ANNUAL PROFESSIONAL
DEVELOPMENT CONFERENCE
FOR CLASSIFIED
EMPLOYEES**
November 19-20

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

