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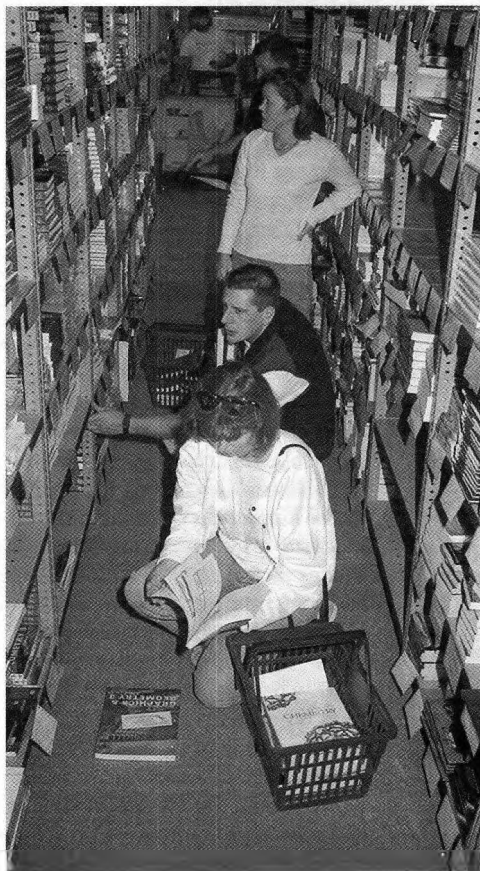
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Students began buying fall textbooks Aug. 21 at the University Bookstore. See related story page 6.

University's largest capital improvement campaign under way

Throughout the University of Maine campus, academic areas are being refurbished, research facilities are scheduled for renovation and construction, and student facilities are being improved.

An ambitious capital improvement and construction era has dawned at UMaine. It is the largest building campaign in the institution's 135-year history.

"The additions and improvements will help strengthen UMaine's academic quality and our ability to serve the needs of the state," says Anita Wihry, executive director of institutional and facilities planning. "The construction is testament to both the public sector and private sector support that exists for the University as an important and valuable state resource."

This year, a number of funding sources – bond issues, state appropriations for research and development, private and corporate support, and University funding – have made possible a variety of capital improvement projects across campus. Some, like the renovation and expansion of the

continued on page 10

UMaine's total grant funding up 15 percent

The University of Maine has boosted the amount of grants and contracts received for research and instructional purposes during the last fiscal year by more than 15 percent over the total received during the previous year.

Large increases were recorded for engineering, marine sciences, computer science, and communication sciences and disorders.

In fiscal year (FY) 1999, faculty successfully competed for \$35.4 million in funding, according to Dan Dwyer, vice president for research. In FY 2000, total grants and contracts totaled \$40.7 million. More than 84 percent of the grant funds came from federal sources. State and private organizations make up the remainder.

"Our success is the result of a lot of hard work by our congressional delegation, our state legislators, and faculty and staff," says Dwyer. "We expect this trend to continue. For every dollar that Maine invests in research, we get back more than four dollars from Washington D.C. Ultimately it means more money for local economies and support for our students."

Many projects also help generate new businesses. For example, Sensor Research and Development in Orono began by leveraging UMaine research on sensors. The company, based in Maine Technology Park, employs 52 people, many of them UMaine graduates or students.

Among the notable new projects that received funding this year were application of so-called "smart technology" to Maine business needs, use of composite materials in an all-electric drive system for the next generation of navy ships, and new testing technology in early assessment of infant health.

Marine science faculty achieved a \$1.2 million increase in funding for a variety of projects, including a study of Atlantic salmon genetics, cod and haddock aquaculture, cod reproduction in the Gulf of Maine, and nutrient cycling in the Pacific Ocean and near Antarctica.

According to the UMaine Office of Research and Sponsored Programs, faculty submitted 496 proposals for more than \$119 million in grants in FY 2000, compared to 430 proposals submitted in FY 1999 for \$109 million. ▲

In Perspective

2 Graduate stipends increase

7 The Undergraduate Experience

9 In Focus: Children's friendships

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



Graduate student stipends increased Yet still lowest among New England land grants

Beginning this academic year, the University of Maine has increased stipends for graduate students appointed to UMaine-funded teaching and research assistantships.

The stipend increase of \$1,264, the first raise in three years and the largest in a decade at the University, is an effort to make UMaine's graduate stipends more competitive with peer institutions.

All University-supported, nine-month graduate assistantships are now funded at \$8,500 annually, up from \$7,236, with the hope that stipend increases will continue in the coming years.

Even with the raise, UMaine graduate stipends remain the lowest among the New England land grant institutions.

"Most graduate schools nationwide are wrestling with the issue of graduate assistantships and their associated benefits, such as stipend levels, tuition support and health insurance," says Scott Delcourt, director of the Graduate School. "This raise will provide graduate students with enough support to live more comfortably in the Orono area. It also will make the University of Maine more competitive in recruiting graduate students nationally and abroad.

"However, we need to maintain the same level of investment over the next couple years so we can reach the same stipend levels that our peer institutions award their graduate students," Delcourt says.

The stipend increase does not affect all of UMaine's 2,000 graduate students. Graduate students appointed to assistantships supported by external funding are not included in the stipend increase. However, most of these research assistants receive higher annual stipends than their UMaine-supported peers, but often lower rates of pay than colleagues at other institutions.

"I have been on a grant for all but my first year at UMaine

when I was a TA," says Theresa Grove, a Ph.D. graduate assistant in marine biology and president of the Association of Graduate Students. "I had to take out student loans to supplement my

stipend while teaching. Through AGS I heard of people, especially those in the social sciences, having to leave the University in past years because they were not making enough money."

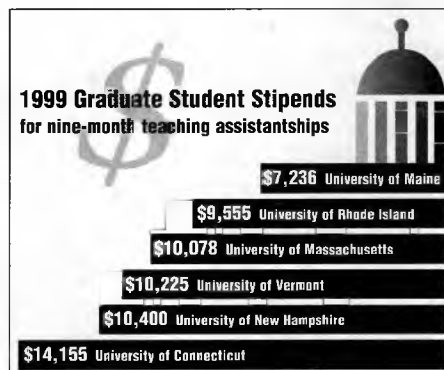
This year's hike in minimum stipends has stirred excitement in the University's graduate community, Grove says. "Graduate students are appreciative and consider this a great beginning. It makes us feel like the University recognizes what we do in the teaching arena and as research assistants contributing to UMaine. That's important."

The last stipend increase for UMaine graduate students was in 1997, when the minimum stipend for University-supported, nine-month graduate assistantships went from \$7,025 to \$7,236 annually, according to Delcourt. Any annual raises as percentages of current stipends were not keeping pace with other schools.

Increasing the minimum stipend for graduate assistants was one of four recommendations approved in 1999 by The Graduate Board, the governing body of the Graduate School. The Association of Graduate Students advocated for the raise, garnering support from college deans and the Faculty Senate.

With \$280,000 in new base funding for FY 2001, and additional

continued on page 14



Graphic by Carol Nichols

Family and Friends Weekend rescheduled for Sept. 15-17

The dates for the annual Family and Friends Weekend have been changed. The event will now be held Sept. 15-17.

Family and Friends Weekend, sponsored by UMaine's Center for Students and Community Life, is one of the busiest times of the academic year on campus. The event is expected to bring more than 10,000 visitors to the campus and surrounding area.

Three days of activities begin with Open Classrooms on Friday. Saturday features tours and presentations, 9 a.m.-5 p.m. The Student Organizations Fair on the Mall is from 10 a.m.-3 p.m. Military Appreciation Day activities are from 4-7 p.m.

Saturday and Sunday, the traditional Antiques, Crafts and Collectibles Fair in the Field House opens at 10 a.m. Athletic events those two days include men's soccer, football and the Maine Invitational Volleyball Tournament.

A highlight on Saturday will be the dedication of a bronze statue of UMaine benefactor Harold Alfond, namesake of Alfond Sports Arena and Harold Alfond Sports Stadium. The work was commissioned as part the construction of Alfond Stadium in 1998.

The statue, by artist George M. Kelly of New York, is a tribute to one of Maine's most philanthropic and admired individuals. For more than 40 years, Alfond has championed education, athletics and community-based programs to support Maine youth. The inscription at the sculpture's base describes him as "a man for all seasons - father, citizen and visionary." ▲

MAINE PERSPECTIVE PUBLISHING SCHEDULE

Publication dates and deadlines for fall issues of Maine Perspective are
Sept. 18 (copy deadline Sept. 6); Oct. 2 (copy deadline Sept. 20);
Oct. 16 (copy deadline Oct. 4); Oct. 30 (copy deadline Oct. 18);
Nov. 13 (deadline Nov. 1); Nov. 27 (deadline Nov. 15);
Dec. 11 (deadline Nov. 29).

MAINE Perspective

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Calendar

<http://calendar.umaine.edu>

MAINE

All events are free and open to the public, unless 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: The University of Maine Master Calendar, Public Affairs. For the most up-to-date calendar listings, see <http://calendar.umaine.edu> or call 581-3745.

SEPTEMBER 6-23

6 Wednesday

Sorority Recruitment Information Tent, 10 a.m.-2 p.m., Sept. 6, on the Mall. x1793.

"Underground Shelters in British North America," by Shannon Wright, candidate for master's degree in history, 1:30 p.m., Sept. 6, Stewart Room, Stevens Hall.

Men's Soccer: UMaine vs. Sacred Heart, 3 p.m., Sept. 6, athletic field. xBEAR.

"Seafood Safety and Marine Vibrios - The One That Got Away," by Ben Tall, FDA research microbiologist, a Food Safety Seminar, 3:50 p.m., Sept. 6, 35 Merrill Hall. x1621.

"Development of Realistic Simulations of the Interactions Between Stars and the Interstellar Medium in Disk Galaxies," by Thomas Zeltwanger, candidate for Ph.D. in physics, 4:10 p.m., Sept. 6, 102 Bennett Hall. x3217.

Cinematique, an Independent Film Series, offered by the Center for Students and Community Life, 7 p.m., Sept. 6, Devino Auditorium, Corbett Business Building. x1793.

Hartgen drawings on display

An exhibit of drawings by Professor and Curator Emeritus Vincent Hartgen are on display through Oct. 31 in the Maine Artists' Gallery of Art Etcetera, 19 Mill St., Orono. *Drawings by Vincent A. Hartgen* features 48 pieces, including some never-before-seen works. The exhibit's opening is 3-6 p.m., Saturday, Sept. 9. Gallery hours are 9 a.m.-5:30 p.m., Monday-Friday; 9 a.m.-2 p.m., Saturday. For more information, call 866-3221.

7 Thursday

Sorority Recruitment Information Tent, 10 a.m.-2 p.m., Sept. 7, on the Mall. x1793.

Maggi Pierce and E.J. Creative Interpretations, live music, offered by the Center for Students and Community Life, 8-10 p.m., Sept. 7, location TBA. x1793.

The Maine Bus

The Maine Bus runs 4:30 p.m.-midnight, every Friday and Saturday during the academic year. Beginning at 4:30 p.m., The Maine Bus runs hourly, stopping at the front entrances of Cumberland Hall, Hancock Hall, York Hall; Spotlight Cinemas, Hoyts Cinemas, Bangor Mall (Sears entrance) and Wal-Mart. The Maine Bus, offered by the Center for Students and Community Life, is wheelchair accessible. Passengers ride at no cost through October. Call 581-1734 for more information.

8 Friday

"Creating a Calcium-Rich Extruded Snack Utilizing Crustacean By-Product," by Michael Murphy, candidate for master's degree in food science and human nutrition, 9 a.m., Sept. 8, 14 Merrill Hall.

"DNA Base Calling Using Neural Networks," by Xiang Zhan, candidate for master's degree in electrical engineering, 2 p.m., Sept. 8, 152 Barrows Hall.

Friday Afternoon Forum, discussion led by the Organization and Leadership Development Office, 3 p.m., Sept. 8, Totman Lounge. x1793.

Performance by Comedian Bobby Tessel, offered by the Center for Students and Community Life, 9 p.m., Wells Conference Center. x1793.

9 Saturday

Maine Bound Staff Training Weekend, Sept. 9-10, registration required. Admission Fee. x1794.

Men's Soccer: UMaine vs. Massachusetts, noon, Sept. 9, athletic field. xBEAR.

Performance by Strange Pleasures, offered by the Center for Students and Community Life and Athletics, 4:30 p.m., Alford Arena. x1793.

Football: UMaine vs. Hofstra, 7 p.m., Sept. 9, Alford Stadium. Admission Fee. xBEAR.

11 Monday

President's Annual Fall Breakfast, with addresses by President Peter Hoff, 7-9 a.m., Sept. 11, Wells Conference Center. x1512.

12 Tuesday

"Memere Stories: Reproducing the Franco-American Family," by Kristin Langellier, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Sept. 12, Bangor Lounge, Union. x1228.

Coffeehouse, offered by the Center for Students and Community Life, 8 p.m., Sept. 12, Hilltop Commons lounge.

13 Wednesday

Field Hockey: UMaine vs. New Brunswick (exhibition), 4 p.m., Sept. 13, Alford Stadium. xBEAR.

"Speech-Language Pathology and Mobius Syndrome," by Mary Bellandase, a Department of Communication Sciences and Disorders Colloquium, 5:15-6:30 p.m., Sept. 13, 100 Neville Hall. x2006.

Cinematique, an Independent Film Series, offered by the Center for Students and Community Life, 7 p.m., Sept. 13, Devino Auditorium, Corbett Business Building. x1793.

15 Friday

Family and Friends Weekend

Events are scheduled campuswide Sept. 15-17. For the latest event information, check the Family and Friends website (www.umaine.edu/familyandfriends)

Open Classrooms Day, part of Family and Friends Weekend. x1793.

Faculty Recital by Trumpeter Joshua Whitehouse, part of the School of Performing Arts season, 7:30 p.m., Sept. 15, Minsky Recital Hall. x1755.

16 Saturday

Advanced Beginner Whitewater Kayaking, a Maine Bound course, Sept. 16-17, registration required. Admission Fee. x1794.

Blacksmiths Roundup, featuring demonstrations by members of New England Blacksmiths, at Leonard's Mills, Bradley, Sept. 16. x2871.

Introduction to Rock Climbing, a Maine Bound course, Sept. 16-17. Preregistration required. Admission Fee. x1794.

Women's Sea Kayak Tour, a Maine Bound course, Sept. 16. Preregistration required. Admission Fee. x1794.

Student Organizations Fair, part of Family and Friends Weekend, 10 a.m.-3 p.m., Sept. 16, on the Mall. x1793.

Antiques, Collectibles and Craft Fair, part of Family and Friends Weekend, 10 a.m.-5 p.m., Sept. 16, Field House. Admission Fee. x1793.

Canning Demonstration, by Louise Kirkland, Penobscot County Extension educator, part of Family and Friends Weekend, 10 a.m.-noon, Sept. 16, Page Farm and Home Museum. x4100.

Men's Soccer: UMaine vs. Rhode Island, 11 a.m., Sept. 16, athletic field. xBEAR.

Volleyball: Maine Invitational, with UMaine vs. SUNY-Albany, noon; CCSU vs. Dartmouth, 2 p.m.; SUNY-Albany vs. Dartmouth, 5 p.m.; CCSU vs. Maine, 7 p.m, Sept. 16, Gym. xBEAR.

Military Appreciation Day, 4-7 p.m., Sept. 16.

Football: UMaine vs. Howard, 7 p.m., Sept. 16, Alford Stadium. Admission Fee. xBEAR.

Campuswide Calendar

If you have events scheduled this academic year, send your listings to the Master Calendar, Department of Public Affairs. To avoid scheduling conflicts when planning an event, check the Master Calendar (calendar.umaine.edu) or call 581-3745.

17 Sunday

Acadia National Park Day Hike, offered by Maine Bound, Sept. 17. Preregistration required. Admission Fee. x1794.

Antiques, Collectibles and Craft Fair, part of Family and Friends Weekend, 10 a.m.-4 p.m., Sept. 16, Field House. Admission Fee. x1793.

Volleyball: Maine Invitational, SUNY-Albany vs. CCSU, noon; Dartmouth vs. UMaine, 2 p.m., Sept. 17, Gym. xBEAR.

18 Monday

Dropping Courses for Refunds Ends, 4:30 p.m., Sept. 18.



The 2000-01 season of the School of Performing Arts begins with a faculty recital by Trumpeter Joshua Whitehouse. Music for trumpet and piano by Ewazen, Tomasi and Honegger will be featured. The performance begins at 7:30 p.m., Friday, Sept. 15, Minsky Recital Hall. For tickets, call the Maine Center for the Arts Box Office, 581-1755.

Photo by Monty Rand

19 Tuesday

"I Am Still Standing - Poetry and Survival, a Reading," by Luzma Umpierre, poet, human rights advocate and educator, part of the Women in the Curriculum Lunch Series, 12:15 p.m., Sept. 19, Bangor Lounge, Union. x1228.

Coffeehouse, offered by the Center for Students and Community Life, 8 p.m., Sept. 19, Hilltop Commons.

20 Wednesday

Basic Life Support CPR, a Maine Bound course, Sept. 20, Lengyel Gym. Preregistration required. Admission Fee. x1794.

State of the University Address, by President Peter Hoff, 2:10-3 p.m., Sept. 20, Minsky Recital Hall. x1512. A Maine Time event.

Faculty Senate Meeting, 3:15 p.m., Sept. 20, Mahogany Room, Wells Conference Center. x1167.

Annual Graduate School Picnic, for all graduate faculty, graduate students and their families, 4-6 p.m., Sept. 20, behind York Complex. x3217. (Rain date Sept. 21).

Cinematique, an Independent Film Series, offered by the Center for Students and Community Life, 7 p.m., Sept. 20, Devino Auditorium, Corbett Business Building. x1793.

22 Friday

Beginner Whitewater Kayaking, a Maine Bound Course, Sept. 22-24. Preregistration required. Admission Fee. x1794.

Women's Soccer: UMaine vs. New Hampshire, 3 p.m., Sept. 22, athletic field. xBEAR.

Field Hockey: UMaine vs. Hofstra, 7 p.m., Sept. 22, Alford Stadium.

23 Saturday

Women's Rock Climbing Fun Day, a Maine Bound course, Sept. 23, Clifton. Preregistration required. Admission Fee. x1794.

Maine Center for the Arts Gala, with a performance by award-winning actress and singer Patti LuPone, part of the Maine Center for the Arts Performance Series, 8 p.m., Sept. 23, Hutchins Concert Hall. Admission Fee. x1755.

Ongoing Events

Exhibits/Demonstrations/Tours

Jump Into It (water as muse), a University of Maine Museum of Art exhibit featuring 79 works from the Permanent Collection, through Oct. 21, Carnegie Hall. x3255.

Ustamdan Oğrendim, "I Learned From My Master"; Traditional Turkish Occupations, a Hudson Museum exhibit of photographs and objects, Sept. 26-June 3, Maine Center for the Arts. x1901.

Meetings of Groups/Organizations

Maine Peace Action Committee (MPAC), meets every Sunday, 7 p.m., Maples Building.

Muslim Prayer, noon-2 p.m., every Friday, Drummond Chapel, Union. 581-1793.

Orono Farmers' Market, 8 a.m.-1 p.m., every Saturday (through Nov. 18); 2-5:30 p.m., every Tuesday (through Oct. 31); Steam Plant Parking Lot. 827-2225

HONORARY DEGREE NOMINEES SOUGHT

Nominations of individuals who would be appropriate candidates for honorary degrees to be awarded at the University's May Commencement are being sought. Nominees should have accomplishments that have earned them a regional, national or international reputation. An individual must be able to attend the May 19 Commencement ceremony at which the degree is awarded.

We depend on nominators to supply adequate information about candidates. A curriculum vita or similar biographical material must be attached to the nomination form. The need is to provide the Honorary Degree Team with sufficient information about candidates to make informed recommendations to the President and Board of Trustees without alerting candidates that they are being considered.

A separate nomination form should be used for each nominee. Nomination forms are available from Wanda Legere, 200 Alumni Hall.

Consult with your colleagues about possible nominations. This is an opportunity for a department, research unit or college to celebrate the accomplishments of an outstanding individual at Commencement.

Completed nomination materials are due by Nov. 1. Submit to: Chair, Honorary Degree Team, University Events Committee, c/o President's Office, 200 Alumni Hall.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

\$9.2 million contract for advanced technology

Engineering researchers at UMaine and General Dynamics Bath Iron Works will collaborate in a project to design an advanced propulsion system for a technical demonstration ship. With support from a \$9.2 million contract with the Office of Naval Research to BIW, scientists and engineers will push the state of the art in composite materials science and engineering.

The project, "Advanced Hull Form Inshore Demonstrator" or AHFID, directly supports the Navy's recent decision to use electric drives on the DD 21 next generation land attack destroyer. BIW will lead the team that includes UMaine, General Dynamics Electric Boat Corp., of Groton, Conn., and Pacific Marine and Supply Company of Honolulu.

In the AHFID program, the propulsion motor will be housed in a pod fabricated with advanced composite materials designed by a UMaine engineering team led by Vince Caccese, associate professor of mechanical engineering. The pod will contain embedded sensors that can measure the performance of the propulsion motor and will be able to monitor the structural health of the composite materials.

A prototype of the composite pod will be tested at the University's new Advanced Structures and Composites Laboratory. Researchers will validate the design and evaluate the performance of the sensors.

Electric drive propulsion eliminates the mechanical gearing normally found in the propulsion trains of conventional vessels and replaces it with an electric motor. Electric motors allow engineers to design the ship with all-electric equipment. Power can be redirected and reconfigured in the event of a mishap.

Predictors of Alzheimer's Disease

Strong evidence that cognitive tests may be useful for signaling Alzheimer's Disease years before other symptoms appear was reported by Merrill "Pete" Elias, UMaine professor of psychology, and colleagues in the June issue of the *Archives of Neurology*. While earlier studies have reached the same conclusion, the new report expands it with a larger group of subjects followed over a longer period of time.

Elias and his colleagues based their findings on an analysis of cognitive tests given to 1,076 participants in the Framingham Heart Study. Between 1975 and 1979, neuropsychologists administered a battery of tests measuring new learning and immediate recall, visual reproduction from memory, verbal associations and abstract reasoning and other functions.

All subjects were free of Alzheimer's Disease, other forms of dementia and stroke at the initial baseline test. They were then neurologically assessed for Alzheimer's Disease for the next 22 years. Lower test performance at the baseline testing was associated with development of Alzheimer's at some time during that 22-year follow-up period. Lowered retention for verbal material and lower abstract reasoning at baseline were the strongest predictors of the disease.

Collaborating on the study were Alexa Beiser, Philip Wolf, Rhoda Au, and Ralph D'Augustino, all of Boston University, and Roberta White of the Boston Department of Veterans Affairs and Odense University in Denmark.

The research was supported by grants from the National Institute on Aging and the National Heart, Lung and Blood Institute of the National Institutes of Health.

The results suggest that a pre-clinical phase of Alzheimer's Disease can precede the appearance of the disease by many years and that this phase can be detected by appropriate neuropsychological tests.

In an editorial in the same issue of the journal, Richard Mayeux of Columbia University notes that "the investigation by Elias et al has extremely important implications for those developing treatments for AD and for those investigating its cause."

The report does not distinguish between factors that may predispose an individual to Alzheimer's and physiological changes in the brain. Moreover, not all older adults who suffer memory loss progress to dementia or Alzheimer's Disease.

The growing technology of computerized agents

The University of Maine's Agent Institute project, funded by a two-year EPSCoR grant from the National Science Foundation, is laying plans for a series of activities to engage public school students and Maine's business community in the growing technology of computerized agents.

"Agents are those things that go out and do things for you," says Tom Bickford, a 1984 UMaine graduate and executive director of the Institute who joined the University community June 1. "They can be a piece of software or hardware, but they have the intelligence to receive instructions and then go out, do a task and react to new information."

Bickford received a bachelor's degree from UMaine in biology. He went on to get a master's in biomedical engineering and instrumentation at the University of North Carolina in 1997. He spent the last three years at the University of Texas Health Science Center at San Antonio.

Co-investigators on the EPSCoR grant include Roy and Elise Turner, George Markowsky, Laurence Latour and James Fastook, all in the Department of Computer Science.

The Institute will occupy renovated rooms in East Annex. An advisory board of directors includes four scientists at UMaine (Tom Wagner, Tom Wheeler and Seymour Papert in Computer Science, Mohamad Musavi in Electrical and Computer Engineering), as well as representatives of the business community and several other universities.

Bickford has already scheduled a LEGO robotics competition, and a series of six meetings between computer scientists and Maine businesses. The Maine Robotics Competition will be held Dec. 9 in the UMaine Field House. The FIRST LEGO League will co-sponsor the event in which students build programmable autonomous robots from LEGO Mindstorms kits and compete to see how well they perform over a standard course. Students are free to be creative in their robot design, but programming must be done correctly to keep the robots on the course.

The Institute's mission includes fostering cooperation between Maine businesses, University faculty and other members of the state's growing high-tech community. The first meeting will be held Sept. 27 in Orono.

"Just as industry relies on the University for research and qualified professionals, we in higher education rely on industry for opportunities to apply new knowledge," says Bickford.

For more on these and other stories about University of Maine research, written by Public Affairs science writer Nick Houtman, see the MaineSci webpage (www.umaine.edu/mainesci/).

People in Perspective

The rush is on.

During the first couple days of classes each semester, the University Bookstore is the most frequented facility on campus. Students pack the textbook aisles and peruse displays to snap up last-minute school supplies.

Bookstore veteran staff members like Betty Campbell tally their tenure not in years by in the number of book rushes they've worked.

"For years to come, I always will remember the book rushes. They are extremely busy times," she says. "When I first started, the store had the old registers that led to long lines. Today with scanning at the registers, students move through quicker than ever.

"Every rush is different. But what you can count on is a store full of people and a textbook section so busy that people can't move. My heart goes out to those working tirelessly, all day, with hundreds of customers on the sales floor."

During rush, Campbell can be found pinch-hitting at the textbook information desk – the eye of the book rush storm. And while she says the hectic, noisy venue is "totally different" from her quiet office, those who know Campbell understand her ability to work well either of the front lines.

Campbell joined the University Bookstore staff in 1982 as a clerk typist. She has been an administrative assistant I to Bookstore directors for the past 10 years.

UMaine was a natural career site for the Old Town native because it is close to home – and all in the family. Her sister, Donna Taylor-Schmidt, an administrative associate, has worked on campus 23 years. Her brother, Glenn Taylor, executive chef, has worked at UMaine for 26 years.

And for the past 17 years, Campbell's husband, Jim, assistant carpenter supervisor, has worked for Facilities Management.

"I like my job and what I do, even as it's changed through the years," she says. "I also like the college life and students. This is a good place to work. We have 26 full-time people (in the Bookstore) and we all get along well."

When she first joined the staff, the Bookstore was in one location, its textbook annex in another.

Major renovation to expand the Bookstore in the late 1980s meant the emporium had to operate in three locations – the textbook annex, the Union and Fogler Library – for a year and a half. When refurbishing was nearing completion, Campbell was the first to move in.

In her 18 years on campus, Campbell has worked for three directors and been responsible for a range of duties that now includes managing the store's accounts receivable and payable. Those who work with her say Campbell isn't just good at multi-tasking; she "invented the word."

And then there are the phone calls. Untold numbers of people from the University community and beyond who call the Bookstore in any given week have come to associate the 1700 extension with Campbell – most often the first voice on the other end of the phone.

"During the school year, I'm answering the telephone that is almost continuously ringing," Campbell says. "Most of the calls are from students, especially during the first couple weeks. They want to know textbook prices and if they're available. Faculty call to see if their textbook orders are in. It's a busy time. The same is true during book buy-backs at the end of



Betty Campbell

Photo by Monty Rand

each semester, when students call to inquire whether the Bookstore is going to take certain books back."

Then there are the calls requesting concert tickets. Or directions to a campus building. And questions about MaineCard and paying bills.

"This is a very public place," says Campbell, who takes the myriad of non-Bookstore questions in stride. "My goal is to always be as friendly as possible. It's also important to listen to what people are saying.

"Sometimes I can't answer all their questions, and when that happens, I try to get them through to the right person who can. I want everyone to get a good first impression of the University and the Bookstore. That's especially true for parents of students. I help them as much as possible knowing I will be in their position next year when my child comes here."

Some of the biggest misconceptions about the University Bookstore become evident in the phone calls. People in communities off campus call to inquire whether "anyone can come in and shop." Members of the University community often don't realize the scope of the Bookstore, which carries items ranging from University merchandise and clothing to more than 30,000 general book titles.

In the past year, in addition to calling or visiting the Bookstore, patrons have taken advantage of some of its on-line services, including a database of required texts for classes and, this semester, the option for students to reserve their texts ahead of time.

In the coming months, the Bookstore's on-line services will expand beyond textbooks to include general books and academic supplies.

Such technological innovation is indicative of the progress Campbell has seen in her years at the Bookstore.

"I have traveled to annual meetings of the National Association of College Stores and met people from other college bookstores," she says. "It's really interesting to me to learn how well we do things here."

New program encourages students to ride The Bus

Encouraging more UMaine students to use public transportation is the goal of a one-year pilot project launched by the University, three local communities (Veazie, Orono and Old Town), The Bus and the Bangor Area Comprehensive Transportation System (BACTS).

UMaine students who wish to ride The Bus on selected routes are now allowed to board by showing their MaineCards, rather than paying a fare.

"This program could have a significant positive impact on UMaine and its neighbors," says Richard Chapman, vice president for student affairs. "As our student population continues to grow, we hope that measures like this one will help us to meet several of our objectives -- to be good stewards of our environment, to use the available space on campus efficiently and to provide services which our students will find useful."

The affected routes are those serving Veazie, Orono and Old Town, along with the route from The Bus' hub in downtown Bangor to the campus.

"The potential benefits to the three communities include reduced congestion, accidents, noise and air pollution, and avoided expenditures on increasing highway capacity," says Donald Cooper, BACTS senior transit/transportation planner.

UMaine will fund the project with a \$7,500 payment to The Bus, intended to offset lost fare revenue. The money will come from the Student Comprehensive Fee.

All vehicles in The Bus system are wheelchair accessible and have bicycle racks. More information on The Bus and its schedule is on web (www.bangorbus.org). ▲

USE YOUR MAINECARD FOR COPYING

MaineCards now can be used to access the photocopiers in Fogler Library. At the Value Transfer Station (VTS), located near the main circulation desk in the library, members of the University community can deposit cash directly to their MaineCard Campus Funds Account. MaineCards will replace VendaCards previously used to access photocopiers in the library. Throughout the fall semester, the library business office will transfer existing copies from VendaCards to MaineCards. Library business office hours are 8 a.m.-4:30 p.m., Monday-Friday.

SECOND ANNUAL VINCENT A. HARTGEN AWARD

Nominations are now being accepted for the second annual Vincent A. Hartgen Award, sponsored by the UMaine Patrons of the Arts. Deadline for nominations is Oct. 26.

The award was established last year to honor artist Vincent Hartgen, professor and curator emeritus, and a champion of the visual arts at UMaine and throughout the state. Hartgen, who established the Department of Art and Museum of Art, was the first recipient.

The Vincent A. Hartgen Award was created to honor individuals who, by their efforts, have distinguished themselves in the arts community of the University. Accomplishments could involve any or all of the following:

- ▼ Successfully encouraging greater student participation in the arts beyond normal course requirements.
- ▼ Fostering a heightened appreciation for the arts by the University community.
- ▼ Creating a program or programs that are clearly innovative and substantially raise the level of the arts on campus.

Letters of nomination should address candidates' qualifications, and describe the contributions and achievements that deserve consideration for this award.

Nominations should be sent to Rebecca Eilers, Dean, College of Liberal Arts and Sciences, 105 Stevens Hall.

Natural Pursuits

In many ways, senior Jessica Sargent-Michaud of Skowhegan is pursuing a course of study that has been shaped by her childhood memories.

While rafting on the Penobscot River with her parents, Sargent-Michaud saw the effects

of excessive logging on the land. "I remember my mom telling me 'don't eat those berries, they've been sprayed and will make you sick,' or seeing the forest after logging," she says. "That left a deep impression on me."

Sargent-Michaud entered UMaine in 1997 as a natural resources major. In addition to her coursework, Sargent-Michaud has been working a student employee. With Ivan Fernandez, chair of Plant, Soil and Environmental Sciences, she did field soil sampling and lab work associated with the Bear Brook Watershed in Maine study.

The next year, Kevin Boyle, professor of resource economics and policy, asked her to help with an ice fishing survey.

"Working with the faculty has been an amazing experience. I've learned much more with this than I could have in a classroom," she says.

This summer, Sargent-Michaud worked on three position papers for the Department of Inland Fisheries and Wildlife concerning the opinions about wolves in the Maine woods; conservation license plates and the affect of introducing chickadee plates; and public perception of state wildlife management.

The latter topic Sargent-Michaud hopes to publish and later expand as a thesis when she begins work on her master's in the Department of Resource Economics and Policy.

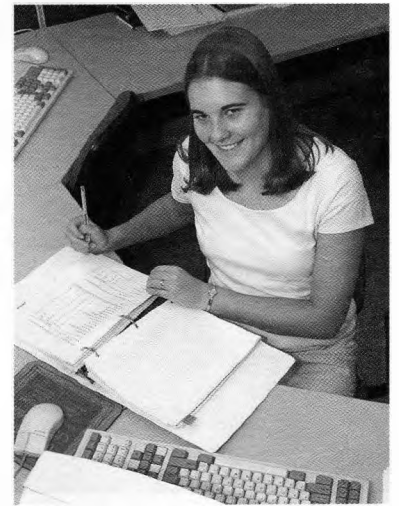
"Mainers tend to have more of an idea of who controls state land and wildlife than people in other states," says Sargent-Michaud. "I think public perception of policy makes a big difference, as organizations such as Inland Fisheries and Wildlife are dictated by constituent demand."

Since the start of her academic career at UMaine, Sargent-Michaud has been a member of the varsity track team. She is now team captain and competes in the pole vault.

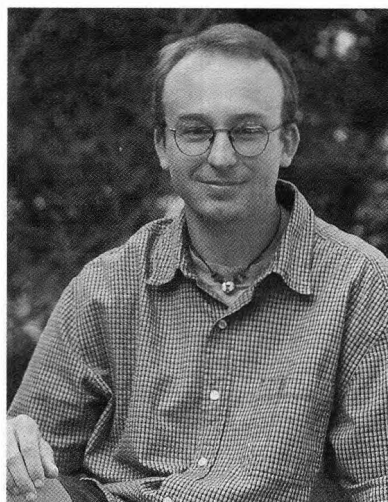
Recently, Sargent-Michaud married a member of the UMaine track team, Derek Michaud. The couple competed in track together in high school and college. Michaud, who graduated from UMaine in 1999 with a degree in psychology, is now pursuing a master's degree at Bangor Theological Seminary.

Sargent-Michaud is an expert in juggling academic, work and athletic schedules to make the most of her college experience. Now in her second year as a teaching assistant in an introductory natural resources class, she has advice for other students.

"I've told them to do what they love to do, not what they think they want to do for a career," she says. "I told them to get involved, because the best experiences I've had were staying up here during the summer and working with the faculty." ▲



Jessica Sargent-Michaud Photo by Monty Rand



David Lewis

The value of northern wilderness

It wasn't the typical preparation for graduate school. Just before starting his master's program in Resource Economics and Policy (REP) in 1999, David Lewis, a native of Yarmouth, walked the length of the Appalachian Trail from Springer Mountain in Georgia to Mt. Katahdin.

"I got a great look at the variety of public and private conservation lands, and the pressures that affect them," says Lewis. "I also realized the importance of leaving large tracts of land in an undeveloped state. So much of the mid-Atlantic states, for example, are fragmented into different ownerships and uses. The trail runs to within 30 miles of New York City."

Those images of woods and fields butting up against shopping malls and subdivisions will be useful as Lewis embarks on another journey, an analysis of the economic impact of public conservation lands from Maine to Minnesota. His work has been supported by a UMaine graduate fellowship.

In addition, The Wilderness Society has awarded him a \$10,000 Gloria Barron Scholarship. The scholarship includes travel money, as well as support for publication fees. One of the Society's objectives is increased awareness of the role of science in maintaining the integrity of wild lands.

"I'll be looking at how the presence of public conservation lands affects employment growth and the rate of in-migration on a county-by-county level," says Lewis, who presented preliminary results from his analysis at the Land Conservation Summit 2000 in Minnesota in July.

"The big question is how these lands affect local economies. Are people moving into the counties that have large amounts of public conservation lands? And are they creating jobs? The debate now is polarized between those who say these lands benefit the economy and those who say they do not."

Lewis' study will play an important role in ongoing discussions about how to manage northern forestlands. Most previous work on these questions has been done in the West. "There's a shift happening in the East. There's a recognition that we have a lot of wild land, too. The question is what we are going to do with it," he says.

Part of that debate, he says, concerns the preservation of land in its natural state versus conservation for multi-use purposes. The northern forestlands have few preserved areas, such as the Adirondacks in New York, the Boundary Waters in Minnesota, and Baxter State Park and Sunkhaze Meadows in Maine.

Lewis has already received 1990 data from state natural resources and planning agencies across his study area, including the Maine State Planning Office. For his analysis, he is using a regional economics model developed by Gary Hunt, UMaine professor of economics, to identify patterns and trends. Hunt specializes in the effects of migration on regional labor markets.

Lewis also will add a geographic perspective to the project

through the use of a geographic information system. He plans to receive a second master's in the Department of Spatial Information Science and Engineering.

In other work this past year with Plantinga, Lewis received support from the U.S. Department of Energy to study the economic costs associated with long-term carbon storage in forests and wood products. The process, known as carbon sequestration, could help reduce the potential for climate changes associated with increasing carbon-dioxide levels in the atmosphere.

Before coming to UMaine, Lewis received his bachelor's degree in applied mathematics with an economics minor at the University of Colorado in Boulder.

Immediately after graduating, he took three months to hike along the Appalachian Trail in Maine and New Hampshire and the Long Trail in Vermont. He spent the next year and a half working as a software engineer in Boston before deciding to combine his academic interests with his love of the outdoors. ▲

Faces Behind the Places



Alfred Aubert served the University of Maine as professor of chemistry from 1874-1909. He retired from the University in 1909, three years before his death. A commemorative service held in the University Chapel on campus included a tribute from close friend Professor Allen Rogers: "For 35 years he gave the University his best endeavors, and has left upon it the impress of a personality which merits high commendation. He was a man of scholarly attainments and most genial temperament. He possessed in an unusual degree the respect and love of his students, and the friendship of his associates on the faculty."



William Barrows graduated from the University of Maine in 1902, and taught electrical engineering. He received an advanced degree six years later. He served as head of the Electrical Engineering Department for 33 years, from 1912-1945. According to the dedication pamphlet for the Hall, Barrows is remembered "as a kind and considerate man, one who would quickly recognize the talents of others, and one ready to lend encouragement in developing a

talent. Always sincerely interested in the welfare of young people, he advised them with care and thoughtfulness on all matters." He authored a textbook on illuminating engineering that appeared in five editions. He died in 1960.

LEGO Robotics Club in Orono

The University of Maine Computer Science Department will be offering two five-week Robotics Club sessions this fall for youth ages 9 and older. Youth learn how to build and program robots by working together on LEGO robot constructions. The classes are free. There are spaces for six-eight children each session. For additional information or to request application materials, contact Kate Comeau, 581-2260.

UMAINE TODAY

UMaine Today is a daily overview of news coverage related to UMaine, along with other items of interest to the University community. Created by the Department of Public Affairs, UMaine Today is available via:

- ▼ Listserv (e-mail joe_carr@umit.maine.edu to subscribe)
- ▼ UMaine Today on FirstClass
- ▼ On the web: www.umaine.edu/umainetoday/

All it takes is one best friend to stave off the loneliness and depression of a child – even if that youngster is considered an outsider with the “in crowd” of peers, according to UMaine psychologists studying childhood friendships.

The key is in helping children establish high-quality friendships that provide validation, intimacy, companionship and conflict resolution skills. Such intervention, the researchers say, begins with involved parents.

“We have found that, even if a child is not accepted by the larger group, one close friendship can serve as a buffer to loneliness and depression,” says Cynthia Erdley, associate professor of psychology.

“We know that children who are rejected by their peer group are at risk for a variety of negative outcomes that have implications for their psychological adjustment as adults. More recent studies are beginning to uncover similar risks for children who fail to develop close friendships. For instance, children without friends appear to be at increased risk for depression, anxiety, and low self-esteem. However, many questions about just how friendship impacts adjustment remain.”

Powerful predictors of social adjustment

Since the early '70s, when researchers became interested in group acceptance, it has been recognized that childhood friendships are not simply child's play but powerful predictors of social adjustment in adulthood. Yet through the years, studies have focused on children's group acceptance and popularity as primary determinants of future psychological adjustment, leaving childhood friendships an understudied area. The complex interrelationships between peer acceptance, friendship and adjustment are not adequately understood.

In their research, Erdley and Douglas Nangle, associate professor of psychology, are looking beyond the traditional theories of peer acceptance to explore the dynamics of children's friendships – and the very definition of friendship among youngsters. A recent study by Nangle and Erdley was one of the first to explore the potential contributions of having more than one friendship, and friendship quality, to children's psychological adjustment. A book co-edited by the researchers, *Friendship and Psychological Adjustment*, will be published next summer.

“For the last 20 years, clinicians have looked at rejection by the peer group as a significant problem. Over this time, the therapeutic goal was to make the child more accepted by the peer group at large,” says Nangle, a clinical child psychologist whose research focuses on child/adolescent peer relations and behavior therapy. “Difficulties in changing children's peer acceptance and the new findings regarding friendship have led a number of peer relations experts to suggest that it may be more realistic to help children develop and maintain one or more close friendships.

“Children's friendships are the training grounds for important adult relationships, including marriage.”

Finding a friend

Children's friendships are training grounds for adult relationships



Photo Illustration by Monty Rand

Close friendships are characterized by affection, a sense of reliable alliance and intimacy – the sharing of secrets and personal information. The experience of having a friend to confide in can promote feelings of trust, acceptance and sense of being understood. As a result, friendship mediates the link between acceptance and loneliness, say Erdley and Nangle.

Unlike close friendships, peer group acceptance offers children a sense of inclusion. Both social relationships offer nurturing and self-worth. But while peer acceptance influences children's feelings of belonging, friendships directly affect feelings of loneliness.

“Though researchers agree that reciprocated positive feelings are the central feature, there is a lack of consensus on how to formally identify and measure friendship,” says Erdley, whose research focuses on social cognitive processes or the thoughts that underlie youngsters' social behavior. “Some of our research has been aimed at comparing the different methods used to measure friendship.”

The younger the children, the more on-again, off-again their friendships

and group acceptance. But by ages 10-11, patterns of acceptance, friendship and psychological adjustment begin to gel.

During these transitional years for children, intimacy becomes more important in peer relations, especially between girls.

By adolescence, it is estimated that 70 percent of teens report having stable friendships.

“We should add that friendship is not always a good thing. The relationship between friendship and adjustment is a complicated one,” says Nangle. “Children who get involved in more deviant peer networks are clearly at increased risk for poor outcomes.”

Good friendships don't just happen

It is important for parents to play an active role, say Nangle and Erdley. Good friendships don't just happen. Studies show an association between parental involvement in arranging children's peer contacts, and the social and academic adjustment of preschoolers and kindergartners. Parents who arrange play dates, enroll their children in structured activities, and monitor peer interactions appear to have more socially adept kids.

Warning signs that children may be lacking close friends include being unable to name specific close friends (or naming kids not really their friends), lack of incoming calls or invitations from peers, hanging out with friends who are significantly older or younger, and lack of regular peer contacts outside of school.

Though direct parental involvement should tail off as children develop, the need for monitoring remains. Knowing who children's friends are, where they are, what they are doing is important. Good communication and helping children negotiate problems in friendships also help, add Erdley and Nangle.

“As parents are increasingly pulled by work and other demands from the home, I wonder what will become of the close parental monitoring of peer interactions that used to be more commonplace,” says Nangle. ▲

Capital improvements *continued from page 1*

Memorial Union, are already under way. Other major projects are set to begin this year, such as the \$21 million renovation of Aubert Hall, home of the Department of Chemistry, and \$11.4 million expansion of Hitchner Hall, to house biological and food sciences.

An overview of capital improvements ongoing and on the horizon this year for the University of Maine include:

Memorial Union – The \$12.5 million expansion and renovation of the Memorial Union is well under way. The addition to the facility could largely be complete and ready for occupancy during the spring semester. The concurrent renovations in the Union are expected to be completed sometime next spring. Funding for the project will come from student fees, revenues from the Bookstore and Student Auxiliary Services, and private donations.

Hitchner Hall – Work begins this fall to construct the \$11.4 million addition to Hitchner Hall. The addition is part of a plan to improve the University's capacity to address the growing biotechnology needs of the state. It also will house the Department of Food Science and Human Nutrition and its research facilities. The three-year project is funded primarily with state R&D bond money and federal funds.

Aubert Hall – Preparations begin this fall for the first phase of the extensive renovation of Aubert Hall. Offices, labs and classrooms located on the east side of the four-story building will be moved to the west end next summer. When the move is completed, renovation will begin and continue for a year. Similarly, Phase II will require the relocation of resources on the building's west side. Funding for the \$21 million project includes a legislative emergency appropriation of \$9 million. When completed, Aubert will be a state-of-the-art teaching and research facility for chemistry.

Engineering and Science Research Complex – An architect is now being selected for a new \$18 million interdisciplinary research facility for engineering and the physical sciences. The facility, to be constructed near Barrows Hall, begins a multi-phase, multi-structure project involving new construction and renewal of existing engineering buildings. The new facility, made possible by R&D bond from the state, is expected to open in three years. Among other engineering units to relocate to the new building will be the Laboratory for Surface Science and Technology (LASST). Pending state, private and corporate funding, an addition will be constructed on Barrows Hall, and improvements made to Boardman Hall and Crosby Lab. The entire \$39 million Engineering and Science Research Complex is expected to be completed in 2006.

Alumni House – Construction will begin this spring on the Robert D. Buchanan '44 Alumni House on College Avenue. It is expected to be open by fall 2002. The nearly \$4.5 million facility is funded by the largest private fund-raising project in UMaine history; it included donations from more than 13,000 alumni. It will be the new home of the General Alumni Association and the University of Maine Foundation, as well as affiliated student groups and the UMaine Visitors' Center.

Library Addition – Preliminary planning has begun for a \$25 million addition to Fogler Library. To be built on the south side of the state's largest library, the addition is pending state and private funding.

Art Facility – Plans for a \$5 million art facility are under way. The project is pending cost-sharing from public and private funding sources.

Colvin Hall – Constructed in 1930 as a dormitory, Colvin is being converted into the new home of the Thomson Honors Center and a residential living-learning facility for honors students. Its renovation is funded through private support to the Adopt-a-Building program called Traditions. Last summer, an elevator was installed; this summer, work continued on the first floor. Pending further funding for the \$1 million renovation project, student residential areas will be refurbished and the fourth floor redesigned to accommodate a student lounge and living quarters for a scholar-in-residence.

Maine Center for the Arts – Expansion and renewal of the Maine Center for the Arts is planned. The multi-phase project will reconfigure some existing areas and expand the backstage facilities. It also will include replacement of the building's carpeting. This is the first major facelift of the 12-year-old building, which last year had 75,000 patrons attend events in Hutchins Concert Hall.

Student Housing – Continually improving the quality of life for students on this residential campus is a top priority. This summer, initiatives included renovations in Estabrooke Hall to convert rooms of double occupancy to single-student living areas. Historic Oak Hall, a residential facility up until 10 years ago, is undergoing extensive renovation and will reopen in January. The \$1.2 million upgrade of Oak Hall was funded by University bonds (self-funded by fees). Hancock Hall, the scene of a fire last semester, has received an interior facelift. In addition, sprinkler and security systems have been installed in time for Hancock's reopening this fall. All student rooms on campus are equipped with Internet, campus cable and telephone connections. Now in the planning stages is the next new residential facility to meet the continued demand for on-campus housing. The 200-bed, \$8.5 million residence hall, featuring and suites, will be built near Doris Twitchell Allen Village and is expected to open in fall 2002.

Kessock Softball Field – Phase I construction of Kessock Field is nearing completion. Last spring, enough work had been done to allow UMaine to host home games. With dugouts and fencing in place, Phase II will begin when funding is available to install seating, lighting and press box.

Public Safety – A new one-story, \$1 million Public Safety facility is under construction on Rangeley Road. It is expected to be completed this fall.

Maine Bound – By the spring semester, Maine Bound will have a new home in the former agricultural engineering barn. The facility will house all Maine Bound equipment and a new climbing wall, funded with \$400,000 in "Coke funds" from the University's beverage alliance with Coca-Cola Co.

Classroom Improvements – Renovations in 100 Neville Hall, 110 and 120 Little Hall, and 206 Rogers Hall are completed for fall classes. The widely used lecture halls and centrally located classroom were the first to be renovated and technologically upgraded with \$150,000 in "Coke funds" in this, the second year of UMaine's beverage alliance with Coca-Cola Co.

Parking Lots – Parking is being expanded in the Maine Center for the Arts and Orchard (near Hilltop) lots at a cost of \$425,000 and \$200,000, respectively. In addition, some existing lots have safety improvements.

Hutchinson Center – The Hutchinson Center in Belfast, named for former UMaine President Frederick E. Hutchinson, was built for UMaine by MBNA. A state-of-the-art telecommunications facility, the Hutchinson Center combines courses, programs and events offered on-site and via distance education media. It is open this fall.

Darling Center Research Laboratory – Ground has been broken for a new \$2.5-million Marine Culture Laboratory at the University of Maine's Darling Marine Center in Walpole. The new two-story facility will support the expansion of several research programs and will include a flowing seawater classroom and molecular biology laboratory. Funding sources for the project includes National Science Foundation programs, the Maine Science and Technology Foundation and state R&D funds. ▲

ARTISTS SOUGHT FOR UMAINE PERCENT FOR ART PROJECT

Proposals are sought for a Percent for Art project as part of a new addition to Hitchner Hall. The art selection committee for Hitchner Addition 2000 has begun a competition for artists to design, execute and install one or more pieces of artwork in any medium. Artwork may be located within or outside the addition. All professional artists may apply for consideration for this project. A prospectus is available from Mike Vayda, Department of Biochemistry, Microbiology and Molecular Biology. Deadline for submissions is Oct. 10.

DENTAL HYGIENE SERVICES AVAILABLE

The University of Maine System offers a low-cost dental hygiene clinic to the public from September-May. All dental hygiene services are provided, including oral exams, dental cleanings, fluoride treatments, sealants, athletic mouth guards and X-rays. Services are provided by dental hygiene students under the close supervision of faculty. For more information, call the University College of Bangor Dental Health Programs, 262-7872.

C. Stewart Doty, professor emeritus of history: "The Future of the Franco-American Past," *The American Review of Canadian Studies*, 7-17 (Spring 2000).

Frederico Fonseca, graduate research assistant with the National Center for Geographic Information and Analysis (NCGIA), and doctoral student in Spatial Information

Science and Engineering; **Max Egenhofer**, NCGIA director, College of Engineering's Libra Professor, professor in Spatial Information Science and Engineering, and cooperating professor in Computer Science; Clodoveu Davis, Departamento de Ciência da Computação, Universidade Federal de Minas Gerais, Brazil; and Karla Borges, Prodabel-Empresa de Informática e Informação do Município de Belo Horizonte, Brazil: "Ontologies and Knowledge Sharing in Urban GIS," *Computers, Environment and Urban Systems*, 24(2):251-71 (2000).

Raymond O'Connor, professor of wildlife; **J.G. Bartlett**, former graduate student and U.S. Forest Service Southern Global Change Program; and **D.M. Mageean**, director, Margaret Chase Smith Center for Public Policy: "Residential Expansion as a Continental Threat to U.S. Coastal Ecosystems," *Population & Environment: A Journal of Interdisciplinary Studies*, 21(5):429-68 (2000).

Ivan Fernandez, chair and professor of soil science in the Department of Plant, Soil and Environmental Sciences, along with Mary Beth Adams, USDA Forest Service: "Nitrogen Saturation: An Experimental Approach at the Watershed Scale," pp.333-55; and a second chapter by **Lindsey Rustad**, faculty associate in Plant, Soil and Environmental Sciences, with Fernandez and co-authors Jerry Melillo, Myron Mitchell, Paul Steudler, and Patrick McHale from Woods Hole and Syracuse University: "Effects of Soil Warming on Carbon and Nitrogen Cycling," pp.357-381, R. Mickler, R. Birdsey, and J. Horn (eds.), *Responses of Northern U.S. Forests to Environmental Change*, Springer-Verlag New York Inc. (2000).

Michael McCauley, assistant professor of journalism and mass communication: "Public Radio and the Public Interest," *International Journal of Political Studies*, 2(1): 135-56 (2000).

Donglin Zhang, assistant professor in Landscape Horticulture, with Michael Dirr and Robert Price at the University of Georgia: "Classification of Cultivated *Cephalotaxus* Species Based on rbcL Sequences," *Taxonomy of Cultivated Plants*, Susyn Andrews, Alan Leslie, and Crinan Alexander (eds), published by the Royal Botanic Gardens, Kew, 265-75 (1999).

Mark Lutz, professor of economics: "Distinguishing Characteristics of a Human Economics," *Forum for Social Economics*, 29(1):17-46 (Fall 1999).

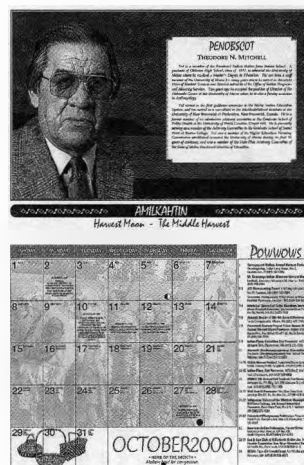
Howard Segal, Bird & Bird Professor of History: review of Amy Bix, *Inventing Ourselves Out of Jobs? America's Debate Over Technological Unemployment, 1929-1981*, in *Nature* (London), 406:125-26 (July 13, 2000). In addition: "The Historical Record and 'Techno-Mania,'" *Viewpoint*, The History Place Web Site, 1-6 (August 2000).

Robert White, dean of the Division of Lifelong Learning, and **James Toner**, director of distance education: "Distance Learning – Expectations and Challenges: The University of Maine Experience," *Summer Academe: A Journal of Higher Education*, 3:77-87 (2000).

Former undergrad student **Peter Lamothe**, now with West Virginia University; **Merry Gallagher**, graduate student in Biological Sciences; Douglas Chivers, University of Saskatchewan; and **John Moring**, professor of zoology, Department of Biological Sciences: "Homing and Movement of Yellow-Phase American Eels in Freshwater Ponds," *Environmental Biology of Fishes*, 58:393-99 (2000).

Andreas Blaser, Software Engineer with ESRI and former graduate research assistant with the National Center for Geographic Information and Analysis; and **Max Egenhofer**, director of the National Center for Geographic Information and Analysis, College of Engineering's Libra Professor, professor in Spatial Information Science and Engineering, and cooperating professor in Computer Science: "A Visual Tool for Querying Geographic Databases," *AVI2000-Advanced Visual Interfaces*, V. Di Gesù, S. Levialdi, and L. Tarantini (eds.), Palermo, Italy, 211-216 (May 2000).

John Moring, professor of zoology, Department of Biological Sciences: "The Creation of the First Public Salmon Hatchery in the United States," *Fisheries*, 25(7):6-12 (2000).



Ted Mitchell, director emeritus of the Wabanaki Center, is one of 12 contemporary Native Americans in the Northeast profiled in the New England Native American Calendar, produced by the Algonquin Indian Arts and Culture Association in Rhode Island. Mitchell's photo and biography illustrate the October calendar pages. The 32-page New England Native American Calendar also includes information on important dates in Native American history and this year's schedule of powwows throughout the region. This is the 12th edition of the calendar, which through the years has profiled more than 140 Native Americans leaders.

Media Spotlight

Brazee interviewed by Education Week

Ed Brazee, professor of middle level education, interviewed in July with *Education Week* for a feature story on middle schools to run in early October. The interview centered around curriculum, standards and the teacher readiness to move toward more integrated curricula.

Sensor research featured in Resource magazine

UMaine research on a fruit ripeness sensor was featured on the cover of the July issue of *Resource* magazine, published by the American Society of Agricultural Engineering. The goal of the work being conducted in the Laboratory for Surface Science and Technology (LASST) is to develop a sensor that can be used to determine the optimum time to pick and process fruit.

Research by Elias in Science Times

A July issue of *Science Times* in the *New York Times* features a brief story about University of Maine research linking cognitive tests with later diagnosis of Alzheimer's Disease. Merrill "Pete" Elias, professor of psychology, and his colleagues based their conclusion on an analysis of data from the Framingham Heart Study.

History Channel looks at chapter of UMaine's research history

A program on The History Channel this summer included an item about a successful attempt by W. Franklin Dove, a UMaine biologist, to create an Ayrshire calf with a single horn in the 1930s. Dove conducted the work to demonstrate two points: that horns grow from tissues that are separate from the skull and that it is possible to create a single-horned animal. His article in *Scientific Monthly* (1936, 42:431-36) suggests that ancient peoples might have understood and used similar techniques to create single-horned animals in sheep and cattle, leading to legends about unicorns. Dove also conducted animal breeding and nutrition studies.

Mason interviewed by New York Times

Museum of Art Director Wally Mason was interviewed July 27 by an arts writer from the *New York Times*. The writer was interested in the Maine Art Museum Trail, which was a recent feature in *American Art Review*. The UMaine Museum of Art and six other museums make up the Trail.

Bayer in New York Times

A comment from Bob Bayer, the director of the Lobster Institute at UMaine, was included in a July 31 *New York Times* story about last fall's mysterious death of most of Long Island Sound's lobster population. He also was quoted in an Aug. 4 story on abcnews.com. While some blame the die-off on spraying intended to curb the West Nile virus in mosquitoes, Bayer says the cause is likely more complicated.

Camire interviewed by Jump magazine

Mary Ellen Camire of the Food Science and Human Nutrition faculty was interviewed by a writer from *Jump*, a national teen magazine. The subject was aroma patches, which are supposed to encourage weight loss and to increase energy. Camire says that there is no evidence in medical or nutrition journals that such patches are effective.

Literacy Education Professors **Rosemary Bamford** and **Janice Kristo** gave a presentation, "Responding to Students' Informational Writing: Focus on Access Features and Organization," at a symposium of the International Reading Association's 18th World Congress on Reading, July 11, Auckland, New Zealand.

Ed Brazee, professor of middle level education, one of three consultants selected to evaluate Bermuda's five public middle schools, spent four days in April visiting each school, meeting with students, faculty, administrators, parents and Ministry of Education staff as a part of the evaluation process. The consultants, which also included Tom Gatewood of Virginia Tech and Vera Blake of Fairfax County Schools, Va., submitted the final report, *Bermuda's Middle Schools: A Summative Assessment in June 2000*. In 1998, the consultants did a summative evaluation after Bermuda's first year of middle school implementation.

Steven Cohn, professor of sociology, presented an invited paper, "Recognizing the Spirit: A Possible Transformation of Sociological Theory," co-authored with **Kyriacos Markides**, professor of sociology, at the annual meeting of the Pacific Sociological Association, San Diego, March 23-26.

A number of College of Education and Human Development faculty presented at the American Educational Research Association conference April 24-28 in New Orleans: **Jaekyung Lee**, assistant research professor, "Using National and State Assessments to Inform the Performance of Education Systems," and "School Reforms in England, Japan, Korea and the U.S.: Policy Variation and Educational Convergence"; **Constance Perry** and **Walter McIntire**, professors, "Rural School Violence: Building School Connection as School Reform"; **John Maddaus**, associate professor, "Negotiating the Benefits and Costs of a Professional Development School Program"; **Theodore Coladarsi**, professor, "Improving the Yield of Research in Rural Education" and "Full-day vs. Half-day Kindergarten: Effects on Standardized and Local Assessments of Academic Outcomes," with Robert Ervin, assistant superintendent, Bangor Schools; **Anne-Marie**

Read, assistant professor, "What If No One Wants the Job of School Leader?"; and **Janet Spector**, assistant professor, "Strategies for Validating a Locally Developed, Performance-Based Assessment of First-Grade Reading," with Ervin.

Max Egenhofer, director of the National Center for Geographic Information and Analysis, College of Engineering's Libra Professor, professor in Spatial Information Science and Engineering, and cooperating professor in Computer Science, presented the paper "Spatial Relationships in Desktop and Geographic Space" at the 2000 Annual Meeting and Science Innovation Exposition of the American Association for the Advancement of Science (AAAS), Washington, D.C., Feb. 17-22. The paper was co-authored by **Andrea Rodriguez**, assistant professor in Computer Science, Universidad de Concepcion, Chile, and former graduate research assistant with NCGIA.

John Gregory, executive director of information technologies has been appointed to the Publications Advisory Committee of EDUCAUSE. The committee's charge is to provide advice in the area of strategies and direction for EDUCAUSE professional publications, including not only print-based magazines and journals but also Web publications, monographs, white papers, books and other special publications. This committee will be instrumental in recommending ways in which all EDUCAUSE publications can be used most effectively to provide members with a comprehensive publishing program, as well as ways EDUCAUSE can be cutting-edge in content delivery mechanisms. Gregory just completed four years of service on the EDUCAUSE Information Resources Committee, chairing it this past year. EDUCAUSE is an international, nonprofit association whose mission is to help shape and enable transformational change in higher education through the introduction, use, and management of information resources and technologies in teaching, learning, scholarship, research, and institutional management. EDUCAUSE membership includes more than 1,700 colleges, universities and education organizations, and more than 150 corporations.

Christopher Hoving, Department of Wildlife Ecology and Maine Cooperative Fish and Wildlife Research Unit, presented a talk, "The Canada Lynx Issue in Maine," at the state chapter meeting of the Society of American Foresters, May 30, Augusta.

FULBRIGHTS AWARDED

Three UMaine faculty members and an emeritus professor have received Fulbright awards this academic year.

▼ **Virginia Gibson**, associate professor of management information systems, will spend spring 2001 at Marmara University in Istanbul, Turkey, in a lecturing/research appointment. She hopes to take advantage of Turkey's proximity to Europe to study information systems in the broader region. Gibson recently spent a semester in New Zealand, serving as a teaching fellow at the Institute for Information and Mathematical Sciences at Massey University. She taught a course in information systems and conducted research on infrastructure needs in knowledge-based economies.

▼ **Professor of Asian History Ngo Vinh Long** is teaching for a year in his homeland of Vietnam. In Hanoi and Saigon, Long will teach seminars on the history of economic development in east Asia since the end of 1945, stressing regional integration and globalization. He also will teach about the history of foreign relations in southeast Asia, in particular, the roles and impact of outside countries. Long also will be a guest lecturer in other south Asian countries, and will spend time completing his fourth book, this one on the history of Vietnam. The Saigon native has been a longtime advisor to the Vietnamese government concerning economic and rural development, and higher education reform.

▼ **Professor Emeritus of Marketing Jacob Naor**, who retired to Seattle in 1997, received his third Fulbright award. This semester, he will teach a survey course in marketing at Belarus State Economic University in Minsk. In 1982, Naor taught at the Academy of Economic Studies in Bucharest, Romania. In 1989, he taught at the Handelshochschule in Leipzig, German Democratic Republic.

▼ **Dana Wilde**, an adjunct lecturer in English, has a lecturing appointment for the academic year in China. He will teach courses in American fiction, poetry, and U.S. culture and history at Fudan University in Shanghai. The trip is the second overseas teaching experience for Wilde. From 1995-1997, he was an associate professor of English at the American University in Bulgaria.

William Krohn, leader, Maine Cooperative Fish and Wildlife Research Unit, and professor of wildlife, gave a presentation, "Conserving Maine's Biological Diversity: What Lands Should be Protected and at What Scale?" at the Maine Land Conservation Conference, May 5, Wiscasset.

Alfred Leick, professor in Spatial Information, visited the Hong Kong Polytechnic University, Department of Land Surveying & Geo-Informatics, April 16-23. He served as external examiner for the Ph.D. thesis defense, "Remote Sensing of Atmospheric Water Vapor Using GPS Data in the Hong Kong Region."

Elizabeth DePoy, professor of social work and coordinator of Research and Evaluation at the Center for Community Inclusion, and **Stephen French Gilson**, associate professor of social work, authored and presented a paper, "Multiculturalism and Disability: A Critical Perspective," at the annual meeting of the Society of Disability Studies in Chicago in July. This paper also has been published in the journal *Disability and Society*, 15(2) (2000).

Cynthia Mahmood, associate professor of anthropology, was an invited speaker at the University of Colorado Institute of Asian Studies on "Sikh Women in Punjab and Diaspora: The Human Rights Challenge." In addition, Mahmood's 1996 book, *Fighting for Faith and Nation: Dialogues With Sikh Militants* (University of Pennsylvania Press) received a Sikh Heritage Book Award.

Paula Moore, assistant professor and director of the Center for Early Literacy, presented "Continuing Contact: The Role of the Teacher Leader in Supporting Teachers and Schools Beyond the Training Year," at the Reading Recovery Teacher Leader Institute, June 3, Minneapolis.

Raymond O'Connor, professor of wildlife ecology, was an invited lecturer at the Department of Wildlife and Fisheries Science, Texas A&M, speaking on "Spatio-temporal Structuring of Arran Distribution," April 13. O'Connor also attended a workshop, "Proposed Pilot Census of Marine Life in the Gulf of Maine and Georges Bank Ecosystem," May 2-3, Woods Hole Oceanographic Institution.

Center for Community Inclusion staff members **Lynn Gitlow**, assistant research professor, and **Jane French**, employment specialist, presented an educational, all-day session for staff and docents of the Maine Maritime Museum, Bath, April 26. The training focused on development of an inclusive, accessible environment for all visitors to the Museum. Special attention and practical tips were focused on accommodations, signage, and inclusive language for persons visiting the museum who may be blind, have physical disabilities, hearing impairments or other needs. Visitors to the museum are typically from all 50 states and several foreign countries. The museum is committed to having all visitors enjoy full access to their displays and events.

Marisue Pickering, professor of communication sciences and disorders, and cooperating professor of education, presented a graduate seminar, "Approaches to Culturally Sensitive Practice," for students in Community Disability Studies in Developing Countries, Centre for International Child Health, London, England, May 23.

Steve Sader, professor of forest resources, with **Ben Herzog** and **Renee St. Amand**, undergraduate research assistants, and **Dave Field**, professor of forest resources, presented a poster paper, "The State of the Maine Forest: An Informational CD," at the 2nd National Extension Natural Resources Conference, May 16-18, Stateline, Nev.

Frank Wihbey, head of Government Documents and Microforms Department, Fogler Library, presented "Devenir un village d'accueil: pourquoi et comment" at the All-Chapter meeting, Sentier international des Appalaches/International Appalachian Trail, May 6, Matapédia, Québec. Wihbey is a Maine delegate to the international board of the organization.

Dan Sandweiss, Anthropology & Quaternary Studies, has been named to the Advisory Network for the Committee on the Americas, a standing committee of the Society for American Archaeology (SAA). The Advisory Network is composed of about 20 archaeologists from the U.S. and Latin America, and has been set up to advise SAA on inter-hemispheric issues affecting archaeology.

Phillip Silver, assistant professor of music, delivered an invited lecture, "Viktor Ullmann: Music in Extremis," in London, June 21, at the 10th London International Jewish Music Festival. In addition, Silver performed a series of concerts in the United Kingdom as pianist of the Rachmaninov Trio. Venues included the Glasgow Royal Concert Hall, Scotland, June 25, a performance described by the critic of *The Scotsman* as chamber music playing of the highest calibre. The program, consisting of Piano Trios by the Israeli composer Paul Ben-Haim, and Russian composers Georgii Sviridov and Sergei Rachmaninov, was repeated July 3 before a sold-out audience in the Wigmore Hall, London.

Emeriti faculty named

Nine members of the faculty and professional staff have been awarded emeritus status. Their names, titles and years of services are:

Albert Hackett, associate director emeritus of admissions, 34 years
Kenneth Hayes, professor emeritus of political science, 31 years
Fred Irons, professor emeritus of electrical engineering, 21 years
Walter McIntire, professor emeritus of education, 27 years
Charles Russ, associate dean emeritus of the College of Liberal Arts and Sciences and associate professor emeritus of chemistry, 35 years
Richard Ryckman, professor emeritus of psychology, 32 years
Muriel Sanford, Special Collections librarian emerita, 29 years
Hayden Soule Jr., associate professor emeritus of agricultural and forest engineering, 40 years
Gerald Work, professor emeritus of education, 33 years

Brenda Power, professor of literacy education, gave the keynote address, "Practical Visions: Forming and Sustaining Schoolwide Research Communities," at the Teacher Research Assembly of the International Reading Association, Indianapolis, May 3. Power also chaired a symposium on teacher research at the Spencer Foundation Retreat, part of the American Educational Research Association's annual meeting, New Orleans, April 24-28.

Maine Administrators of Services for Children with Disabilities presented the Lou Fontana Scholarship Award to **Bonnie Robinson**, graduate assistant for the Maine Adolescent Transition Partnership at the Center for Community Inclusion. She was presented with a \$500 check and a special memento by David Stockford of the Maine Department of Education at MADSEC's Annual Awards Dinner in May.

Howard Segal, Bird & Bird Professor of History, gave invited papers on Henry Ford's village industries at Limburg University, Maastricht, the Netherlands, June 14, and on high-tech utopias at Eindhoven University of Technology, the Netherlands, June 15. He also led a seminar on writing the history of technology and provided international perspectives for a Workshop on Large Technical Systems in the Netherlands, both also at Eindhoven University, June 16.

Bob Strong, professor of finance, was elected to the board of directors of the Maine Financial Analysts Society, a member chapter of the Association for Investment Management and Research.

Sydney Thomas, associate professor of counselor education, attended the National Poetry Therapy Conference, Albuquerque, May 4-8.



Almost 50 members of the University Singers represented UMaine in Denmark, Germany, Poland and Hungary during the group's European tour May 24-June 7. The UMaine students performed concerts in six cities, including Budapest, where the group culminated its touring season with a performance of Haydn's *Lord Nelson Mass* in a cathedral, accompanied by a full orchestra and joined by four professional soloists. Other highlights of the tour included performances of *Open Air*, by Beth Weimann, assistant professor of music. University Singers has toured abroad every four years since 1984. The group is directed by Dennis Cox, professor of music and School of Performing Arts choral director.

Happy Birthday ADA

By Evelyn Stern Silver, Director, Office of Equal Opportunity

The Americans with Disabilities Act, which turned 10 years old this summer, has made a real difference in the lives of many, many Americans. It has also impacted the way we do business on campus.

Last year, nearly \$20,000 was spent at UMaine on accommodations for students with disabilities. The number of students providing documentation of disabilities and requesting accommodations has steadily increased, according to Ann Smith, coordinator of Services to Students with Disabilities, the office that assists both students and faculty seeking ways to accommodate the academic or extracurricular needs of disabled students.

Meanwhile, services for disabled employees are also in demand. Mary Knowlton, rehabilitation specialist in Human Resources, reviews documentation from medical providers and arranges for accommodations needed by employees.

Both employees and students can come to Equal Opportunity for information on the process of providing accommodations under the ADA or to lodge a concern/complaint about treatment in the classroom or on the job. Last year, 22 percent of the concerns coming to OEO dealt with disability issues. This area of concern ranks second only to gender (including sexual harassment), the most frequently cited basis for equal opportunity concerns and complaints.

Today, ADA reaches into new areas in higher education. Assistive technology and accessible websites are two examples. Distance education must be accessible to students with disabilities. University websites need to pass the "Bobby Test," ensuring that all the bells and whistles of high tech sites do not impede disabled users. Howard Mosher, UMaine's webmaster, has recently formed a Web Advisory Group. Bonita Grindle of OEO serves on that Advisory Group and is available as another resource on accessible websites. Ann Smith has a wealth of information on assistive technology.

ADA covers visible and "invisible" disabilities, physical or psychological. The law allows all qualified individuals to live, learn and work by getting reasonable accommodations needed to perform the essential functions of a job, including the job of being a student.

Last winter in *Disability Compliance for Higher Education*, Lynn Gitlow, project coordinator of Opportunities to Completion in UMaine's Center for Community Inclusion, noted: "Administrators need to understand that students with disabilities represent just another type of diversity on campus." Absolutely, and employees with disabilities do too!

As this school year begins, I especially urge faculty members to make sure students know that they have a right to request an academic accommodation by seeking assistance in the Office of Services for Students with Disabilities (581-2319). It is helpful to make a statement to that effect on the first day of class and to include such a statement on the course syllabus. Call me (581-1226) for suggested wording.

Faculty may certainly grant accommodations on their own, but they must not refuse an accommodation without consulting Ann Smith or me. The University is liable under the ADA for considering each individual request in a thorough manner. Furthermore, we are committed both legally and philosophically to creating a campus climate, for both students and employees, where differences based on disability are not just "tolerated" but accepted and accommodated.

Graduate stipends *continued from page 2*

support from the Office of the Vice President for Research, the minimum stipend for all University-supported authorized graduate assistantships was raised as of Sept. 1.

"There are academic and institutional reasons beyond the argument for fair and equitable pay," says Sean Murphy, a Ph.D. student in forest management who, with former AGS President Chris Miller, was instrumental in lobbying for the stipend increase last year. "We want to be giving UMaine students the best teachers in the classroom and giving faculty the best graduate assistants. When graduate students (get their degrees and) leave, they make contributions in their fields that helps UMaine's reputation.

"The graduate student population here is top-notch, but most students are here because they have a desire to be in Maine or want to work with particular faculty members. I worry about the people we miss (without competitive stipends). If we're to attract the best people, we have to make a commitment as an institution."

All agree that this year's stipend increase must be the start of an ongoing investment in graduate student education. Over the next five years, the administration has indicated that it will attempt to raise minimum graduate stipends to levels equal to those at peer institutions, says Murphy. It is hoped that that momentum will be maintained so that UMaine can continue to build on its existing strengths in graduate education and research. ▲

UMaine Cooperative Extension



EPC announces promotions

The Extension Professionals Committee (EPC) is an advisory group that represents professionals within Extension. EPC congratulates Don Barry for being promoted to Extension professional II this year.

Barry has been a professional in the Pest Management Office for seven years. During that time, he has authored and edited a number of Pesticide Applicator Training Manuals. He has been a principal organizer for the North American Conference on Pesticide Spray Drift Management, and the National Pesticide Applicator Orientation and Training Workshop.

EssC announces promotions

The Extension Support Staff Committee (EssC) congratulates those members of the Extension support staff who have been promoted since last September. They include:

Suzanne Baez, an administrative assistant I in Hancock County. In her two years with Extension, she has served as training coordinator for the Senior Companion program, setting up monthly sessions in Hancock and Penobscot counties. Baez is a member of the Senior Companion Management Team and recently became a member of the Senior Companion Advisory Council.

Katherine Daniels, an administrative assistant I in Oxford County. Daniels has worked for Extension for 24 years. For more than a quarter-century, she has been a 4-H leader and has been involved with the Tally-Ho 4-H Horse Club. Daniels says her job provides an opportunity to help make a difference in the lives of young people, now including second generation 4-Hers.

Elaine Dolley, administrative assistant I in Kennebec County. Dolley, an 18-year veteran with Cooperative Extension, received a UMaine Classified Employees Distinguished Service Award in 1988. She is noted for her creative skills in designing promotional materials such as brochures and program packets.

Sheila Douglass, administrative assistant I in the York County Office. Douglass, who has worked for Extension for 32 years, is the recipient of a 1999-2000 Extension Support Staff Award of Excellence. Earlier this year, she also was recognized by the 4-H Leaders Association with the Friends of 4-H Award.

Positions Available

The following faculty and professional positions are currently available at the University of Maine. This list includes titles and contact information. Interested parties should consult either the University of Maine contact listed for each open position or web listing (www.umaine.edu/hr/jobs) to obtain a complete job announcement, including required qualifications. All positions are full time, unless otherwise specified. Questions about search procedures should be directed to the Office of Equal Opportunity, 581-1226.

FACULTY

Extension Educator (Cumberland County Extension Office, Portland), Position #78, Cooperative Extension. Review Begins: 9/22/00. Contact: Send letter of intent, resume, transcripts (copies acceptable) and names, addresses and phone numbers of five references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; fax: 207-581-3325; e-mail: sandyv@umext.maine.edu or see UMaine webpage: www.umaine.edu/hr/jobs/umce

Extension Educator (Aroostook County), Position #79, Cooperative Extension. Review Begins: 9/29/00. Contact: Send letter of intent, vitae, all transcripts (copies accepted), and names, address and phone numbers of four references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; fax: 207-581-3325; e-mail: sandyv@umext.maine.edu or see UMaine webpage: www.umaine.edu/hr/jobs/umce

Crops Specialist (REOPENED, Position #64), Cooperative Extension. Position is housed in Presque Isle Extension Office located on Aroostook Research Farm of the University of Maine Agricultural and Forest Experiment Station on U.S. Rt. #1 in Presque Isle. Review Begins: 10/00. Contact: Send letter of application, vitae, all transcripts (copies accepted), and names, addresses and phone numbers of four references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; fax: 207-581-3325; e-mail: sandyv@umext.maine.edu or see UMaine webpage: www.umaine.edu/hr/jobs/umce

Vegetable Specialist and Assistant Professor of Vegetable Crops (Position #75), Cooperative Extension. Review Begins: 10/6/00. Contact: Send letter of intent, vitae, all transcripts (copies accepted), and names, addresses and phone number of four references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; fax: 207-581-3325; e-mail: sandyv@umext.maine.edu or see UMaine webpage: www.umaine.edu/hr/jobs/umce

Livestock Specialist and Assistant Professor of Animal Science (Position #77), Cooperative Extension. Review Begins: 9/29/00. Contact: Send letter of intent, vitae, all transcripts (copies accepted), and names, addresses and phone number of four references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; fax: 207-581-3325; e-mail: sandyv@umext.maine.edu or see UMaine webpage: www.umaine.edu/hr/jobs/umce

Assistant or Associate Professor (Construction Management Technology), School of Engineering Technology. Review Begins: Immediately. Contact: Send resume with names and addresses of three references to: David Dvorak, Director, School of Engineering Technology, 5711 Boardman Hall, Orono, ME 04469-5711. Website: www.ume.maine.edu/engtech/set.htm

PROFESSIONAL

Research Associate: Physical-Biological Ocean Modeling, School of Marine Sciences. Salary Range: \$30,000-\$33,000. Review Begins: Immediately. Contact: Send resume, brief cover letter outlining scientific background, computing and graphics programming experience, and name/addresses/phone numbers of three references to: Fei Chai, School of Marine Sciences, 5741 Libby Hall, Orono, ME 04469-5741.

Assistant to the President, The University of Maine. The President's Office is seeking a highly motivated and well-organized individual to serve as Assistant to the President. This position has responsibility for managing all aspects of the President's schedule and activities, as well as handling logistics for the President. Preferred qualifications are strong interpersonal, communication and problem-solving skills, good computer and information technology skills, and experience in managing high-profile and complex events; experience in dealing with a variety of internal and external constituents; ability to handle confidential and sensitive documents and issues. This is a full-time, regular, fiscal-year, non-represented professional position with a salary range of \$33,000-\$38,000. A cover letter, curriculum vitae along with the names of three references should be submitted to: Scott Anchors, Executive Assistant to the President, President's Office, 200 Alumni Hall, Orono, ME 04469. Review of applications will begin on Sept. 8; applications will continue to be accepted until the position is filled.

Assistant to the Director (Internal promotion or transfer), The Graduate School. Salary Range: \$28,000-\$32,000. Review Began: 8/28/00. Contact: Send letter of application, CV, and the names of three references to: Scott Delcourt, Director, The Graduate School, 5782 Winslow Hall, Orono, ME 04469-5782.

Professional Development and Certification Coordinator, College of Education and Human Development, Equipped for the Future National Center. Renewable on a yearly basis for three years. Salary Range: \$45,000-\$52,000. Review Begins: 9/15/00. Contact: To receive an application, and packet and full job description, send an official letter of inquiry to: Lisa Levinson, Director, Equipped for the Future National Center, 5766 Shibbes Hall, Orono, ME 04469-5766, or e-mail your request to: LisaL595@aol.com. Please include your mailing address in any inquiry.

Research Specialist (biological/chemical oceanography), School of Marine Sciences, based at the Darling Marine Center, Walpole, ME. Salary Range: \$30,000-\$35,000. Review Began: 8/31/00. Contact: Send current resume, and names and addresses of three references to: Mark Wells, School of Marine Sciences, 5741 Libby Hall, Orono, ME 04469-5741.

Resource Development Officer (Position #80), Cooperative Extension. Full- or part-time, contingent upon funding and acceptable work performance. Salary Range: \$40,000-\$48,000. Review Begins: 9/22/00. Contact: Send letter of intent, vitae, all transcripts (copies accepted), and names, addresses and phone numbers of four references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; fax: 207-581-3325; e-mail: sandyv@umext.maine.edu or see UMaine webpage: www.umaine.edu/hr/jobs/umce

Manager of Athletic Events and Summer Sports Camps, Department of Athletics. Salary Range: \$24,000-\$28,000. Review Begins: Immediately. Contact: Send resume, letter of application, and names and phone numbers of three references to: Tracey Flynn, Assistant Athletic Director for Compliance, 5747 Memorial Gym, Orono, ME 04469-5747.

INFORMATION ON OPENINGS FOR CLASSIFIED POSITIONS

Because most classified (hourly paid) positions are posted for brief time periods, it is not feasible to announce them in *Maine Perspective*. For updated information on current classified positions available at UMaine, call the jobs line, 581-4567, or check the web listing (www.umaine.edu/hr/jobs). Application forms are available at: Personnel Services, 124 Corbett Hall, University of Maine, Orono, ME 04469.

The University of Maine is an Equal Opportunity/Affirmative Action Employer. In complying with the letter and spirit of applicable laws and in pursuing its own goals of diversity, the University of Maine System shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability, or veterans status in employment, education, and all other areas of the University. The University provides reasonable accommodations to qualified individuals with disabilities upon request. Questions and complaints about discrimination in any area of the University should be directed to Evelyn Silver, Director of Equal Opportunity, The University of Maine, Room 101, 5754 North Stevens Hall, Orono, ME 04469-5754, telephone (207) 581-1226 (voice and TDD).

Office of Naval Research Young Investigator Program will grant \$100,000 per year for three years to outstanding U.S. faculty members who received a Ph.D. or equivalent on or after Dec. 1, 1995. All fields of science and technology relevant to ONR programs are eligible. Deadline: Nov. 1.

U.S. Department of Education makes

matching grants to strengthen and improve undergraduate instruction in international studies and foreign languages in the U.S. Estimated range of awards: \$40,000-\$130,000. Deadline: Nov. 3.

Northeast Region Sustainable Agriculture Research & Education Program has made significant

changes to its grant selection process. RFPs are now available for Professional Development (due Nov. 7), Research & Education (due Nov. 10), and for the new Farmer/Grower Initiative (due Dec. 4).

National Science Foundation's International Research Fellowships

introduce U.S. scientists and engineers in the early stages of their careers to opportunities abroad. Awards are available in all NSF-supported fields and for periods of 3-24 months at host institutions in all geographical regions. Deadline: Nov. 15.

American Heart Association/New England Affiliate makes grants-in-aid of research related to cardiovascular function and

diseases, stroke, or related basic science, clinical, bioengineering/biotechnology and public health problems. Awards provide direct costs of \$45,000 per year for two years. Deadline: Nov. 15.

Agency for Healthcare Research and Quality supports projects of research, demonstration, dissemination, and evaluation to improve health outcomes, strengthen quality measurement and improvement, and identify strategies to improve access, foster appropriate use, and reduce unnecessary expenditures in healthcare.

National Science Foundation has issued a revised Grant Proposal Guide, effective Oct. 1. For a copy, or for more information, call Research & Sponsored Programs, x1476, or visit our website: www.ume.maine.edu/~spd/index.html

Rhodes Scholarships

Faculty are asked to encourage outstanding students to contact Mac Hunter, Department of Wildlife Ecology, x2865, about opportunities for post-graduate studies at Oxford University.

**Cultural Affairs Committee
Deadline for Proposals**

The deadline to submit proposals to the Cultural Affairs/Distinguished Lecture Series Committee is Friday, Sept. 29. Proposal guidelines and applications are available by contacting Wanda Legere, President's Office, x1516.

DINING SERVICES LOCATIONS – Fall 2000

Hilltop Commons/Stodder Commons

All-you-care-to-eat full meal service

Breakfast	7-9 a.m., Monday-Friday
Continental Breakfast	9-10:30 a.m., Monday-Friday
Lunch	11 a.m.-2 p.m., Monday-Friday
Dinner	4:30-7 p.m., Monday-Friday

Stewart Commons/York Commons

All-you-care-to-eat full meal service

Breakfast	7-9 a.m., Monday-Friday
Continental Breakfast	9-10:30 a.m., Monday-Friday
Lunch	11 a.m.-2 p.m., Monday-Friday
Brunch	11 a.m.-2 p.m., Saturday-Sunday
Dinner	4:30-7 p.m., seven days a week

Hilltop Market/Southside Market

Deli and convenience items 10:30 a.m.-11 p.m., Monday-Saturday

The Eastside Eatery

7 a.m.-7 p.m., Monday-Friday
a la carte service, Stewart Commons

The Mallside Eatery

10 a.m.-2 p.m., Monday-Friday
Deli, snacks and beverages, located between Boardman and Little Halls

M.C. Fernald's

Soups, salads, wraps, sandwiches, pastries and beverages, Fernald Hall
7 a.m.-11 p.m., Monday-Friday
10 a.m.-11 p.m., Saturday-Sunday

Oakes Room Student Café

SCHEDULED TO OPEN LATE SEPTEMBER
Baked goods, coffee, hot chocolate, gourmet coffees, cold beverages and cappuccino/latté, located in Fogler Library
8 a.m.-11 p.m., Monday-Thursday
8 a.m.-9 p.m., Friday
10 a.m.-9 p.m., Saturday
10 a.m.-11 p.m., Sunday

Memorial Union Grab 'n Go

7 a.m.-7 p.m., seven days a week
Deli sandwiches, salads, baked goods, snacks, hot and cold beverages, fruit, veggies and yogurt cups

Campus Coffee

9 a.m.-2 p.m., Monday-Friday
Coffee cart with coffee, tea and pastries, Atrium of Corbett Business Building

What's Ahead

**President's Annual
Fall Breakfast
September 11**

**Family and Friends
Weekend
September 15-17**

**State of the
University Address
September 20**

**Annual Graduate School
Picnic
September 20**

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

