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Senior Melissa Monroe and Associate Professor of Landscape Architecture Bill Mitchell pore over one of the turn-of-the-century landscape architecture sketches from the Ellen Louise Payson Collection, now housed in Special Collections of Fogler Library. See story on page 10.

Photo by Monty Rand

UMaine, Bangor Partnership Could Result in a Downtown Home for the Museum of Art

A partnership between the city of Bangor and the University of Maine is expected to provide the Museum of Art with a new home – and outlook for the future.

Plans call for the Museum to move into the former Freese's building on Main Street in downtown Bangor. The move will provide the Museum much-needed and upgraded exhibition and programming space with climatization and security, and opportunities to expand and enhance its exhibition and community outreach capabilities.

The city of Bangor needs partners to revitalize the downtown, and arts are an important part of any revitalization. Bangor has the facility in need of content, we have content in need of a facility. Because of this venture, there are opportunities to make incredible resources available to both, for the people of Bangor and our students.

In addition, the relocation of the Museum will offer Bangor what has been cited as a “missing link” in its downtown revitalization efforts. City officials have said the Art Museum and the adjacent Eastern Maine Children's Museum will add to Bangor's offerings and provide a cultural cornerstone, drawing thousands of people to the downtown each year.

“A museum downtown provides possibilities for Bangor in the same way the Farnsworth did for

Rockland,” says Rebecca Eilers, dean of the College of Liberal Arts and Sciences. “Downtown Bangor has become more and more vibrant as time has passed. We hope the Museum of Art will help create a critical mass to draw people downtown. We also want people who have not thought of the University of Maine to recognize they have a flagship university at their doorstep – and a university partner in the community.”

The city has committed to completing the restoration of the former Freese's building for its new occupant. The building currently has been restored to the basic “white box” stage; the city is expected to invest another \$600,000 to finish the renovations necessary for housing the Museum, including installation of climate control and security systems.

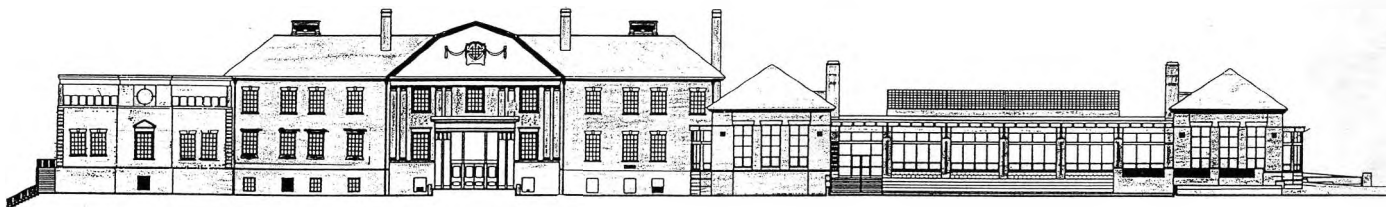
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In Perspective

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





Architect's rendering of the completed Memorial Union renovation and expansion project.

Memorial Union Construction Under Way

Site preparation and construction have begun on the \$12.5 million Memorial Union expansion and renovation project, the largest capital improvement initiative ever at the University of Maine.

Much of the major construction is expected to be completed by the end of December 2000, according to Bill Charland, manager of the Union project for UMaine's Facilities Management Department. The entire expansion and renovation project is expected to take 20 months.

"It will be wonderful to have so many student organizations, including student governments, the radio station and the newspaper, all in one facility, adding to the idea of the Union being a dynamic gathering place for interaction and programming, a focal point for the University," says Dwight Rideout, UMaine's dean of Students and Community Life and chair of the Union Building Committee.

D.L. Poulin Inc., a Brunswick-based general contractor, began construction Jan. 1. The six-phase project starts with construc-

UNION OPEN DAILY 'TIL 2 A.M.

This semester, the Memorial Union is open until 2 a.m., seven days a week, to accommodate students' needs for a central facility for studying and socializing, in proximity to computer clusters and the Union Coffee Shop.

The Coffee Shop, located on the third floor, is open 7-2 a.m., Monday-Friday; noon-2 a.m., Saturday-Sunday.

The public computer clusters, located on the first and second floors, are open 6-2 a.m., Monday-Thursday; 6 a.m.-10 p.m., Friday; 10 a.m.-10 p.m., Saturday; 10 a.m.-midnight, Sunday.

Daily, the Game Room is open 7-2 a.m.; Information Center, 8-2 a.m.

tion of the 40,000-square-foot, two-story addition on the south side of the Union.

Phase I construction of the addition, to house dining facilities seating approximately 600 patrons and the University Bookstore, is expected to be completed Dec. 31. A construction fence erected between the Union and Rogers Hall now surrounds the area where excavation will begin this spring. The fence will be in place until December 2000.

Also beginning this semester is Phase II of the project, involving electrical, telecommunications and mechanical room renovations within the building.

The Union, including Dining Service facilities, is expected to remain open this semester. As construction progresses, some services, meeting spaces and offices will be

periodically disrupted.

Phase III, renovation of the areas of the Union now occupied by the Bear's Den and Damn Yankee, is scheduled for May-

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Council on Women Begins Awareness Campaign

The President's Council on Women wants to get to know members of the University community better and to raise awareness of the group's mission.

To do that, Council members are doing walk-through tours of buildings across campus this semester to meet people and learn more about the environments where they work and learn.

So far, members say they are "pretty impressed overall."

"This project takes the Council beyond policies affecting women to look at the physical environment on campus and how welcoming it is," says Council member Sharon Barker. "As an outreach initiative, the environmental project provides an opportunity for members of the University to know the Council and its members, and vice versa. It is an opportunity for information exchange."

The 22-member Council on Women reports directly to the President on issues of importance to the status of women at the University. Responsibilities include establishing a study agenda each year to define and focus on change and evolving issues affecting women; reviewing data and reports, relative to women at the University, produced regularly by offices such as Equal Opportunity and Human Resources; recommending additional strategies to enhance the representation, participation, and recognition of women at the University; and providing information to the University community and the public.

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MAINE PERSPECTIVE PUBLISHING SCHEDULE

The spring publication schedule of *Maine Perspective* is:

Feb. 21 (copy deadline Feb. 9); March 6 (copy deadline Feb. 23);
March 27 (copy deadline March 8); April 10 (copy deadline March 29);
April 24 (copy deadline April 12); May 8 (copy deadline April 26).

MAINE Perspective

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MAINE Calendar

FEBRUARY 9 – MARCH 1

9 Wednesday

Ski Wax Seminar, part of the Maine Bound Winter/Summer 2000 course offerings Feb. 9. Registration required by calling x1794.

Winterfest, featuring demonstrations by Maine Bound, Recreational Sports activities, ice sculpture contest, Feb. 9, Mall. x1406.

"Women Leaders in the Movement for Civil Rights before Martin Luther King," by Carolyn Bennett, part of the Women in the Curriculum Luncheon Series, 12:30-1:45 p.m., Feb. 9, Bangor Lounge, Union. x1228.

Careers for History Majors, a Career Center seminar, 3:10 p.m., Feb. 9, Third Floor, Chadbourne Hall. x1359.

UMAINE ON CAPITOL HILL

The latest University of Maine research initiatives in engineering, environmental sciences and human health will be profiled for Maine's Congressional Delegation and federal agency staff members Feb. 9 in Washington D.C. The Capitol Hill Day event begins at 9 a.m., Room SC-5 of the Capitol Building. A luncheon address will be given by Frank Fernandez, director of the Defense Advanced Research Projects Agency.

10 Thursday

"Navigating the Roiling Waters of the Global Economy," an International Community Breakfast featuring Gov. Angus King and Perry Newman, president of the Maine International Trade Center, offered by the World Affairs Council; 7 a.m. buffet breakfast, 7:45 a.m. program, Feb. 10, Wells Conference Center. Reservations required by calling 780-5383.

"How to Promote Your Work," a new faculty luncheon with guests John Diamond and Monique Mace-Hashey, offered by the Center for Teaching Excellence and Office of Academic Affairs, noon-1:30 p.m., Feb. 10, Wells Conference Center. Registration required by calling x3472.

"Free Speech and Advertising: Issues Raised by the Holocaust Ad in The Maine Campus," with Lyombe Eko, Amy Fried and Doug Allen, with moderator Mike McCauley, part of the Socialist and Marxist Studies Series, 12:30-1:45 p.m., Feb. 10, Bangor Lounge, Union. x3860.

"Measurement of Long-Range Hydrophobic Attraction Forces During Bubble/Particle Attachment," by Shawn Berg, candidate for Ph.D. in chemical engineering, 1:30-2 p.m., Feb. 10, Soderberg Center, Jenness Hall.

"Counseling in Speech-Language Pathology with a Multicultural Focus," by Pat Mercaltis, offered by the Department of Communication Sciences and Disorders, 4-6 p.m., Feb. 10, Bangor Lounges, Union. x2006.

Malcolm X: El Hajj Malik El Shabbazz, part of the Peace and Justice Film Series, 7 p.m., Feb. 10, Devino Auditorium, Corbett Business Building. x3860.

11 Friday

Kick and Glide: Classic Style Cross-Country Skiing, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 11. Registration required by calling x1794.

"Cabin Fever," by licensed clinical social worker Holly Tracy, part of the EAP Lunch and Learn Series, noon-1 p.m., Feb. 11, Bodwell Lounge, Maine Center for the Arts. x4014.

TGIF Music Series: Idiots Avante, offered by The Union Board, 12:15-1 p.m., Feb. 11, Damn Yankee, Union. x1406.

"Microbial Responses to Global Change: Positive and Negative Feedbacks from C1 Metabolism," by Gary King, part of the School of Marine Sciences Seminar Series, 1:15 p.m., Feb. 11, 100 Bryand Global Sciences Center. x4381.

Careers for English Majors, a Career Center seminar, 2:10 p.m., Feb. 11, Third Floor, Chadbourne Hall. x1359.

"Phytochrome Genes and Flowering Plant Evolutionary History," by Sarah Mathews, Harvard University, part of the Biological Sciences Seminar Series, 3:10 p.m., Feb. 11, 102 Murray Hall. x2970.

Men's Ice Hockey: UMaine vs. UMass-Amherst, 7 p.m., Feb. 11, Alford Arena. Admission fee. xBEAR.

12 Saturday

Katahdin Winter Ascent, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 12-13. Registration required by calling x1794. Admission fee.

For the latest in event information for the University of Maine, see the Master Calendar on the Web: calendar.umaine.edu

Scholar-Athletes Reception, followed by Women's Basketball game, with the scholar-athletes being honored at half time, 10:30-11 a.m., Feb. 12, Wells Conference Center. x1828

Women's Basketball: UMaine vs. New Hampshire, noon, Feb. 12, Alford Arena. Admission fee. xBEAR.

Men's Ice Hockey: UMaine vs. UMass-Amherst, 7 p.m., Feb. 12, Alford Arena. Admission fee. xBEAR.

Concert by Flutist Elizabeth Downing, and Pianist Ginger Yang Hwalek, part of the School of Performing Arts Season, 7:30 p.m., Feb. 12, Minsky Recital Hall. Admission fee. x1755.

1st Annual UMaine Senior Formal, sponsored by Senior Skulls, open to all UMaine students., 9 p.m.-1 a.m., Feb. 12, Wells Conference Center. x6513.

13 Sunday

Pool Self-Rescue - Sea Kayaking, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 13. Registration required by calling x1794.

Snowshoe Day Hike, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 13. Admission fee. Registration required by calling x1794.

14 Monday

X-C Skate Performance: Skate Style Cross Country Skiing, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 14. Admission fee. Registration required by calling x1794.

Women of the World Lunch, focusing on cuisine and culture from South of the Equator, noon, Feb. 14, Church of Universal Fellowship, 82 Main St., Orono. Admission fee. x2905.

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 the Master Calendar Website: calendar.umaine.edu or call 581-3745.

The Vagina Monologues, a theatrical performance in observance of V-Day, a national campaign to end sexual violence against women and to proclaim Valentine's Day as the day to celebrate women, offered at UMaine by the Student Women's Association and Wilde Stein, 7 p.m., Feb. 14, Devino Auditorium, Corbett Business Building. Admission fee. x1508.

15 Tuesday

Basic Life Support CPR, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 15. Admission fee. Registration required by calling x1794.

Free Heeled Telemark Skiing, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 15. Admission fee. Registration required by calling x1794.

"Knots, Hitches, Loops and Bights," a knot tying clinic, part of Maine Bound's Lunchtime Adventure series, noon, Feb. 15, FFA Room, Union. x1794.

Application for May Graduation Due in the Office of Student Records, 4:30 p.m., Feb. 15, 100 Wingate Hall.

16 Wednesday

Outdoor Leadership Training, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 16. Admission fee. Registration required by calling x1794.

Ongoing Events

Exhibits/Demonstrations/Tours

Sequences, a Museum of Art exhibit, through Feb. 26, Carnegie Hall. x3255.

The Only Woman on Board: The Legacy of Seafaring Wives, a Museum of Art exhibit, through Feb. 26, Carnegie Hall. x3255.

Bangor Art Society Exhibit, featuring works by Lindsay May Farris, Gaye Grant, Glennis Mockler, Darlene Sweezey and Helen Wolfhagen, through April 20, Chadbourne Hall. x3072.

Images for Eternity: Mexican Tomb Figures and Retablos, a Hudson Museum exhibit, through May 14, Maine Center for the Arts. x1901.

Meetings of Groups/Organizations

Circle K meets every Monday, 6:30-7:30 p.m., Bangor Lounge, Union. x7818.

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

Gay, Lesbian, Bisexual, Transgendered Discussion Group meets every Monday, 2-3 p.m., Old Town Room, Union. x1406.

International Coffee Hour, every Friday, 4-5 p.m., Peabody Lounge, Union. x2905.

Maine Peace Action Committee (MPAC) meets every Sunday, 7 p.m., beginning Sept. 12, Maples. x3860.

Maine Time Conversations, every Wednesday, 2-3 p.m., Bangor Lounge, Union. x1734.

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

The Classic Katahdin Winter Trip, part of the Maine Bound Program Winter/Summer 2000 course offerings, Feb. 23-27. Admission fee. Registration required by calling x1794.

The Union Board (TUB) meets every Wednesday, 6:30 p.m., Totman Lounge, Union. x1735.

YAK - Winter Break Adventure Camp, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 21-23. Admission fee. Registration required by calling x1794.

Yoga Groups - for Stress Management and Fitness, Fridays, noon-1 p.m. (except during spring break), through May 19, Dexter Lounge, Alford Arena. x4014.

"Understanding Eating Disorders: A Multifaceted Panel Discussion," with Mitzi Clark, Belinda Gosdarian, Bonnie Jackson and Adrienne White, part of the Women in the Curriculum Luncheon Series, 12:30-1:45 p.m., Feb. 16, Bangor Lounge, Union. x1228.

Environmental Careers, a Career Center seminar, 3:10 p.m., Feb. 16, Third Floor, Chadbourne Hall. x1359.

Faculty Senate Meeting, 3:15 p.m., Feb. 16, Mahogany Room, Wells Conference Center. x1167.

University Credit Union Annual Meeting, 4:30 p.m., Feb. 16, Employee Credit Union. x1458.

"Why Not Human Cloning?" by Greg Pence, Department of Philosophy and the School of Medicine, University of Alabama, author of *Who's Afraid of Human Cloning?* and UMaine's second John M. Rezendes Ethics Lecturer, offered by the Department of Philosophy, 7 p.m., Feb. 16, 101 Neville Hall. x3860.

17 Thursday

"12 Easy Tips to Understanding Asset Allocation," by VALIC retirement planning specialist Jane Brann, 11:30 a.m. and 2 p.m. sessions, Feb. 17, Walker Room, Union.

"Heirloom Apples in Maine," by John Bunker, tree specialist with Fedco Seeds, Waterville, part of the Page Farm and Home Museum Brown Bag Lecture Series, noon, Feb. 17, Page Museum. x4100.

"Why Not Human Cloning?" a panel discussion with Greg Pence, Department of Philosophy and the School of Medicine, University of Alabama, author of *Who's Afraid of Human Cloning?* and UMaine's second John M. Rezendes Ethics Lecturer, joined by UMaine participants Sharon Tisher, Roger King and Mike Vayda, part of the Socialist and Marxist Studies Series, 12:30-1:45 p.m., Feb. 17, Bangor Lounge, Union. x3860.

Careers for Psychology Majors, a Career Center seminar, 3:30 p.m., Feb. 17, Third Floor, Chadbourne Hall. x1359.

"Why Not Paid Organ Donation?" by Greg Pence, Department of Philosophy and the School of Medicine, University of Alabama, author of *Who's Afraid of Human Cloning?* and UMaine's second John M. Rezendes Ethics Lecturer, followed by comments by Jean Symonds, offered by the Department of Philosophy, 4 p.m., Feb. 17, 100 Nutting Hall. x3860.

Noam Chomsky, part of the Peace and Justice Film Series, 7 p.m., Feb. 17, 100 Corbett Business Building. x3860.

18 Friday

Cross-Country Ski Touring: Classic Style, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 18. Registration required by calling x1794.

"The Maine Co-Management Experiment to Date," by Jim Acheson, part of the School of Marine Sciences Seminar Series, 1:15 p.m., Feb. 18, 100 Bryard Global Sciences Center. x4381.

Careers for Sociology and Anthropology Majors, a Career Center seminar, 2:10 p.m., Feb. 18, Third Floor, Chadbourne Hall. x1359.

Open Dress Rehearsal for An Evening of French Opera, featuring works from UMaine's Massenet Collection, directed by Lud Hallman, part of the School of Performing Arts Season, 7:30 p.m., Feb. 18, Cyrus Pavilion Theatre. x1755.

Women's Basketball: UMaine vs. Hofstra, 7:30 p.m., Feb. 18, Alford Arena. Admission fee. xBEAR.

19 Saturday

Intermediate Waterfall Ice Climbing Weekend, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 19-20. Admission fee. Registration required, call x1794.

Snowshoe Day Hike, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 19. Admission fee. Registration required by calling x1794.

Women's Ice Hockey: UMaine vs. Dartmouth, 3 p.m., Feb. 19, Alford Arena. Admission fee. xBEAR.

An Evening of French Opera, featuring works from UMaine's Massenet Collection, directed by Lud Hallman, part of the School of Performing Arts Season, 7:30 p.m., Feb. 19, Cyrus Pavilion Theatre. Admission fee. x1755.

20 Sunday

Kayak Rolling Pool Clinic, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 20. Admission fee. Registration required by calling x1794.

Women's Basketball: UMaine vs. Drexel, noon, Feb. 20, Alfond Arena. Admission fee. xBEAR.

Women's Ice Hockey: UMaine vs. Boston College, 7 p.m., Feb. 20, Alfond Arena. Admission fee. xBEAR.

21 Monday

The University of Maine Open House, coordinated by New Student Programs, Enrollment Management, Feb. 21, Maine Center for the Arts. x1826.

Careers for Political Science and Public Administration Majors, a Career Center seminar, 3:10 p.m., Feb. 21, Third Floor, Chadbourne Hall. x1359.

22 Tuesday

Free Heeled Telemark Skiing, part of the Maine Bound Winter/Summer 2000 course offerings, Feb. 22. Admission fee. Registration required by calling x1794.

"Field Bike Repairs," part of the Maine Bound Lunchtime Adventure Series, Feb. 22, FFA Room, Union. x1794.

Tenth Annual Games Day, a Hudson Museum Just for Kids program, for ages 6 and up, pre-registration required, 10 a.m., Feb. 22, Maine Center for the Arts. Admission fee. x1901.

Careers for Philosophy and Other Liberal Arts Majors, a Career Center seminar, 3:10 p.m., Feb. 22, Third Floor, Chadbourne Hall. x1359.

23 Wednesday

End of First Third of Semester for Withdrawals, see your dean's office for details, Feb. 23.

Winter Shelter Building Seminar, part of the Maine Bound Program Winter/Summer 2000 course offerings, Feb. 23. Registration required by calling x1794.

"Gender and Genre in Caribbean Women's Literature: Marlene Nourbese Philips' *Discourse on the Logic of Language*," by Patricia Saunders, assistant professor of English, Bowdoin College, part of the Women in the Curriculum Luncheon Series, 12:30-1:45 p.m., Feb. 23, Bangor Lounge, Union. x1228.

24 Thursday

"Protests at the World Trade Organization (WTO) Meeting in Seattle," by Bangor peace and justice advocates Jim Harney and Georgia Kosciusko, part of the Socialist and Marxist Studies Series, 12:30-1:45 p.m., Feb. 24, Bangor Lounge, Union. x3860.

Global Village or Global Pillage and Sweating for a T-Shirt, part of the Peace and Justice Film Series, 7 p.m., Feb. 24, Devino Auditorium, Corbett Business Building. x3860.

The Magic Flute, performed by the London City Opera Company, part of the Maine Center for the Arts performance season, 7 p.m., Feb. 24, Hutchins Concert Hall. Admission fee. x1755.

Men's Basketball: UMaine vs. Northeastern, 7:30 p.m., Feb. 24, Alfond Arena. Admission fee. xBEAR.

25 Friday

Cross-Country Ski Touring: Classic Style, part of the Maine Bound Program Winter/Summer 2000 course offerings, Feb. 25. Admission fee. Registration required by calling x1794.

TGIF Music Series: The Lidral Trio, offered by The Union Board, 12:15-1 p.m., Feb. 25, Damn Yankee, Union. x1406.

"Neural Crest and Placodal Cells: Their Role in the Development of Fish Morphology," by Tom Miyaki, Dalhousie University, part of the School of Marine Sciences Seminar Series, 1:15 p.m., Feb. 25, 100 Bryand Global Sciences Center. x4381.

"Rapid Changes in North American Vegetation During the Past 1,000 Years," by George Jacobson, part of the Biological Sciences Seminar Series, 3:10 p.m., Feb. 25, 102 Murray Hall. x2970.

Men's Ice Hockey: UMaine vs. Merrimack, 7 p.m., Feb. 25, Alfond Arena. Admission fee. xBEAR.

Men's Volleyball Club: UMaine vs. USM, 7-8 p.m., Feb. 25, Lengyel Gym. x1406.

26 Saturday

Snowshoe Day Hike, part of the Maine Bound Program Winter/Summer 2000 course offerings, Feb. 26. Admission fee. Registration required by calling x1794.

Men's Basketball: UMaine vs. Boston University, noon, Feb. 26, Alfond Arena. Admission fee. xBEAR.

Men's Ice Hockey: UMaine vs. Merrimack, 7 p.m., Feb. 26, Alfond Arena. Admission fee. xBEAR.

27 Sunday

Kayak Rolling Pool Clinic, part of the Maine Bound Program Winter/Summer 2000 course offerings, Feb. 27. Registration required by calling x1794.

29 Tuesday

Video: *Wet Ones*, part of the Maine Bound Lunchtime Adventure series, Feb. 29, FFA Room, Union. x1794.

1 Wednesday

Coastal Sea Kayak Navigation, part of the Maine Bound Program Winter/Summer 2000 course offerings, March 1. Registration required by calling x1794.

"Amiri Baraka on Issues of Race and Class in the United States," with Amiri Baraka, poet, playwright, activist, part of the Socialist and Marxist Studies Series, 12:30-1:45 p.m., March 1, Minsky Recital Hall. x3860.

"Women and Politics in Turkey," by Günseli Donmez Isci, professor of English, Ege University, Izmir, Turkey, and Fulbright Scholar at Temple University, part of the Women in the Curriculum Luncheon Series, 12:30-1:45 p.m., March 1, Bangor Lounge, Union. x1228.

Look Who's On Campus



GREGORY PENCE, an authority in the field of medical ethics and author of *Who's Afraid of Human Cloning?* will deliver two addresses and be part of a panel discussion Wednesday-Thursday, Feb. 16-17, as UMaine's second John M. Rezendes Ethics Lecturer. Pence will give a keynote address, "Why Not Human Cloning?" at 7 p.m., Feb. 16, 101 Neville Hall. Feb. 17, he will be part of a panel discussion on the same topic beginning at 12:30 p.m., Bangor Lounge, Union. Also on Feb. 17 at 4 p.m., Pence will speak on "Why Not Paid Organ

Donation?" in 100 Nutting Hall. Pence teaches in the Department of Philosophy and the School of Medicine at the University of Alabama at Birmingham. He is the author of seven books, including the forthcoming *Reinventing Medicine, Flesh of My Flesh: Ethical Issues in Human Cloning and Classic Cases in Medical Ethics*. He received the Ingalls Award for Best Teaching in the Classroom at the University of Alabama, and the American Philosophical Association Recognition Award for Excellence in Teaching.

PATRICIA SAUNDERS, assistant professor of English at Bowdoin College, will speak Wednesday, Feb. 23, 12:30 p.m., on "Gender and Genre in Caribbean Women's Literature: Marlene Nourbese Philips' *Discourse on the Logic of Language*. An Andrew Mellon Predoctoral Fellow, Saunders received a Ph.D. in English literature from the University of Pittsburgh last May. Her dissertation examines the efforts of contemporary Caribbean writers to re-imagine the nation and its relationship to ontology, ethnicity and gender – three aspects that are virtually absent from traditional debates about history and identity in the archipelago.

RAINBOW MILLENNIUM: ACTIVISM FOR A NEW ERA The Sixth Annual Northeast Regional Gay, Lesbian, Bisexual and Transgender Student Conference APRIL 7-9 UNIVERSITY OF MAINE

Coordinated by Wilde Stein

Featuring national conference presenters and Human Rights Commission workshops, keynote addresses by activists Candace Gingrich and Robyn Oakes, and entertainment. Registration is \$35 for students; \$45 for the public.

Deadline to register is March 31.

To register or for more information, contact Sarah E. Smith, 581-1508 or 581-1596.

People in Perspective

For two graduates of UMaine's Construction Management Technology (CMT) program, the Memorial Union renovation and expansion project offers an opportunity to give back to their alma mater.

John Burrell and Calvin Banks are project manager and superintendent, respectively. Burrell graduated from UMaine in 1994 and Banks in 1998, and they have returned to their alma mater as employees of D.L. Poulin Inc., of Brunswick, the prime contractor on the Union project.

"It's a privilege to be back here on this project," says Banks, who is also preparing to build his own house in Glenburn. "I spent a lot of hours working in the computer lab and eating in the Bear's Den. The Union was always crowded at meal times and when we had to get our books. There were never enough places to eat."

Banks came to Maine from his native Texas more than 12 years ago to work as a pipefitter on the Penobscot Energy Recovery Plant in Orrington. He liked Maine so much that he never looked back. Before he enrolled in the CMT program, he had been a disc jockey at WTOS radio, spent a winter as a scallop diver and worked construction jobs in most of the state's papermills. As a commercial diver, he worked on oil well platforms in the Gulf of Mexico. Most recently, Banks worked on the Maine Independence Station power plant in Veazie.

"There's always been work. Coming back to school was tough, especially after being away from it for 16 years, but I'm glad I did. Chuck Gould (chair of CMT) is an excellent teacher. He prepared us very well," says Banks.

"(With this project) I like to think that we're making a historical contribution to the University," he says.

Burrell grew up in Cumberland and has worked for D.L. Poulin since he left UMaine. He has supervised more than 30 construction projects throughout New England, including new restaurants for the Applebee's chain, renovations for Wal-Mart and projects for Wendy's, Red Lobster and the Tim Horton chain in Canada.

Among Burrell's projects, the Union expansion is the largest in terms of square footage, the most complicated when it comes to keeping the building open, and the longest running.



Calvin Banks and John Burrell

Photo by Monty Rand

"It feels great to be back here and giving something back to the University of Maine. I volunteered for this job when I found out the company had the bid," says Burrell.

"We know that we will have to be diplomats on this project. We've already had to block off an entrance that people used for the Union, and there will be other disruptions. We have to remove the loading dock used for deliveries, and we'll be blocking part of the circular drive by the Hauck Auditorium entrance. These are the sorts of problems that occur in construction projects – and that Chuck's program covers."

Burrell recently finished a project in Newport, R.I., and is still managing a job in Springfield, Mass. He plans to be on site in Orono every other week. He lives in North Yarmouth with his wife Stacy, a UMaine graduate, and son Zackery, 3. They have another child on the way.

Banks lives in Kenduskeag with his wife Kathleen Nelligan, also a UMaine graduate.

LIBRARY PROJECT INTENDED TO EXPAND, REFOCUS FOGLER'S SERIALS COLLECTION

This spring, Fogler Library is conducting a serials project that is intended to expand and refocus the library's serials collection.

Serials are journals, newspapers, magazines, newsletters, annuals and other types of paper, microform, or electronic information resources purchased by subscription. The library has not added new serials subscriptions to its collection since 1990.

The project consists of two parts. The first part is an opportunity for faculty to identify the serials titles they need for their teaching and research, to which the library does not currently subscribe. The second part is a review of the serials titles to which the library currently subscribes, for the purpose of identifying those that are central to the missions of the colleges, and those that no longer meet the curriculum and research needs of students and faculty.

Details of this project can be found at <http://libraries.maine.edu/orocolldev/serials>. Questions should be referred to Mary Casserly, 581-1659. ▲

Winterfest

WEDNESDAY, FEB. 9

9 A.M.-4 P.M. ON THE MALL

Sponsored by the Center for Students and Community Life and various student organizations

Winterfest 2000 is a celebration to start the new semester and year.

It also celebrates winter in Maine and the many ways to enjoy the outdoors this time of year.

The day will feature music, information about student groups, demonstrations and recreational activities.

Try cross-country skiing, snowshoeing and volleyball.

Get instruction in winter camping and other Maine Bound activities.

A snow sculpture contest will feature entries by student groups. Prizes will be awarded throughout the day to activity participants.

For more information or to get involved, contact Joanne Arseneault, Maine Bound, 581-1794

Office of Organization, Leader Development Helping Student Groups Thrive and Contribute

A new office on campus is dedicated to fostering relationships between student organizations on campus for a more collective and cooperative environment that enhances campus life and enriches the UMaine student experience.

The Office of Organization and Leader Development in the Center for Students and Community Life was established last fall to provide student organizations with the resources, training and advice needed to develop, grow and contribute to the University community.

"Student groups are often looking for someone to go to for problem-solving," says Sheri Cousins, director of organization and leader development. "Often they just need advice, a sounding board or referral to resources to get things done."

One of the office's first initiatives is to get the student organization database updated and accurate. A complete directory with current contact information is essential for networking and communication between groups. An electronic submittal form on FirstClass will allow students to update information in the database. Student Groups and advisors can do this at www.umaine.edu/cscl/studentorg/sorgsubmit.htm

"We hope to maintain regular correspondence with student groups, sending them our newsletter and contacting them concerning conferences, leadership development opportunities and campuswide events of interest and benefit to their members," says Cousins.

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HUDSON MUSEUM EXHIBIT A UMAINE AMBASSADOR

Worldviews: Maya Ceramics from the Palmer Collection, a traveling exhibit organized by the Hudson Museum, has just completed an engagement at the Museum of the Red River, Idabel, Okla. The exhibit is now on its way to the University of Colorado Museum in Boulder for another showing. Subsequently, the exhibit will be on display in the Mitchell Gallery at St. John's College in Annapolis. Thousands of people around the country have viewed the exhibit since it went on the road in September 1998.

Worldviews includes 35 ceramic vases and figurines, nine jade ornaments, and a carved stone head from the Maya civilization of Mexico and Central America. Most come from the Classic period (AD 250-900), when Maya civilization reached what many consider to have been its pinnacle of complexity. Maya kings and nobles used hieroglyphs to record their history, had a calendar more accurate than that used in Europe at the time, and performed complex astronomical observations. The artifacts in the exhibit show these and other aspects of Maya civilization. ▲

UMAINE STUDENT LEADERS JOIN PEERS IN STATEWIDE CONFERENCE

Twenty-five UMaine undergraduates were among the more than 250 student leaders from colleges, universities and technical colleges throughout the state who met Feb. 4-6 at Maine Maritime Academy for the third annual Maine State Leadership Conference.

"Navigating the Waters of Leadership: Partnerships and Skills for the New Century" featured 48 workshops, seminars, discussions and training sessions, presented by student

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Center Stage

School of Performing Arts

Scenes from Two Massenet Operas

Highlight an Evening of French Opera

This spring, the annual Massenet concert of the School of Performing Arts will be performed by students of opera workshop in *An Evening of French Opera*.

The February performance will showcase students' musical talents and artistic abilities in acting, and set and costume design.

An open dress rehearsal will be Friday, Feb. 18 at 7:30 p.m., with *An Evening of French Opera* performed Saturday, Feb. 19, 7:30 p.m. Both are in Cyrus Pavilion Theatre.

Highlighting the production will be selections from Jules Massenet's *Thaïs*, first performed in 1894. *Thaïs* is set in 4th century Alexandria, and follows the life of a privileged young man who gives up his wealth to become a monk.

UMaine music students will perform scenes from two acts. The soprano role will be sung by Jane Maranhas, baritone by Gregory Schmidt.

Also on the program is *Manon*, Massenet's best known and most popular opera. Leads will be sung by Christine St. Pierre and Tracy Hall.

The program also includes selections from Christopher Willibald Gluck's *Orphée* and Georges Bizet's *Carmen*.

Professor of Music Lud Hallman, in cooperation with Associate Professor Nancy Ogle and Instructor Fran Vogt, teaches opera workshop, a course founded at UMaine in the 1970s.

The program of French pieces is inspired by UMaine's collection of music by Massenet, a popular 19th-century composer. The Massenet Collection of scores for operas, ballets, oratorios and choral works, was donated by the Massenet Society of America in 1995 and is housed in Fogler Library. UMaine was selected for the bequest in honor of the state's Franco-American heritage.

The School of Performing Arts has staged performances of French music every year since the donation, beginning with Massenet's 1875 composition, *Eve*, under Hallman's direction.

Music from Three Centuries, Six Countries

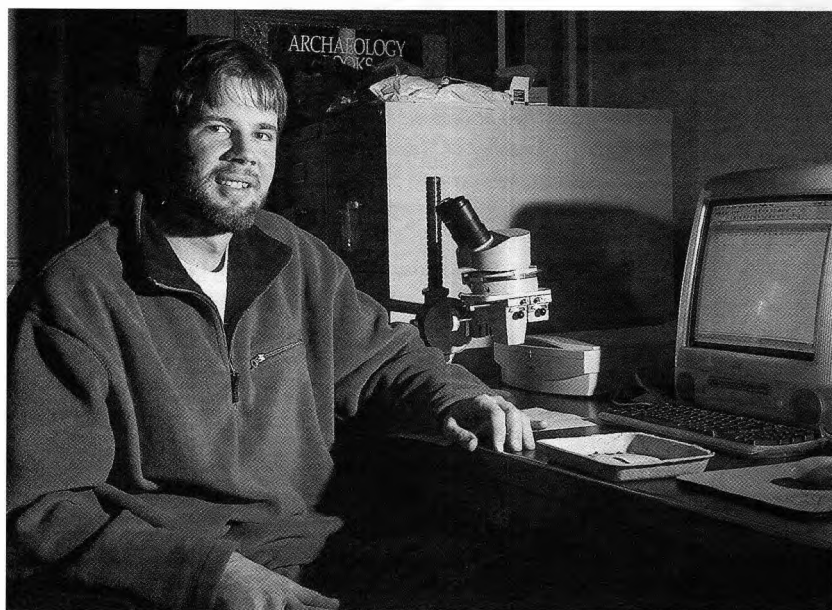
Flutist Elizabeth Downing and pianist Ginger Yang Hwalek will perform works spanning three centuries from Spain, Ireland, Italy, Japan, France and the United States in a concert Saturday, Feb. 12, in Minsky Recital Hall.

The concert begins at 7:30 p.m.

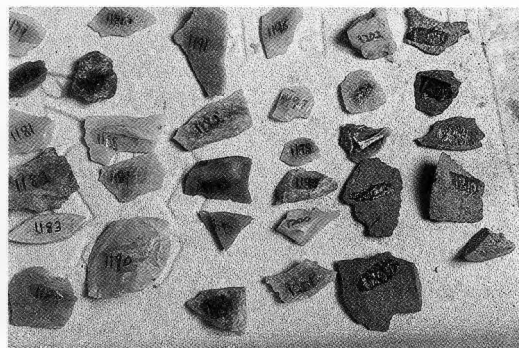
Downing is the coordinator of New Student Programs at UMaine and a flutist with the Bangor Symphony Orchestra. Hwalek teaches class piano and collaborates in the Chamber Music Program in the School of Performing Arts.

The program for the Feb. 12 concert features Downing and Hwalek performing *Medieval Suite for Flute and Piano* by Katherine Hoover; *Four Waltzes* by Shostakovich; *A Sonata* by von Weber; *Joers de Flûte* by Roussel; *Quiet Night* by Weir; and *Mazurka* by Dufay.

Guest performer Beth Wiemann, assistant professor in music and principal clarinetist with the Bangor Symphony Orchestra, will join Downing and Hwalek in performances of *Old Lady Moon* by Hovhaness and *Tarantelle* by Saint-Saens.



Studying the Clues Early Tool Makers Left Behind



Ben Tanner and specimens of chipping debris that provide clues as to how paleoindians made stone tools.

Photos by Monty Rand

Ben Tanner initially pursued a degree in anthropology at Florida State University in the hopes of traveling the world and, he admits, for “the Indiana Jones side of it.” He soon found out that, while fieldwork is exciting, a large amount of an archaeologist’s time is spent in documentation and analysis in the lab.

“What attracts me the most now is the mystery,” he says.

As an undergraduate, Tanner’s fieldwork took him to the excavation of a Franciscan mission from the 1680s in Tallahassee. Tanner also worked with an underwater archaeologist on a paleoindian site off the coast of Florida, as well as shipwrecks in two rivers in the state.

It was the opportunity to participate in one of the most exciting excavations in Peru that brought the Tallahassee native to the University of Maine.

Quebrada Jaguay, an archaeological site near Camana on the south coast of Peru, was first discovered in the 1970s. UMaine Associate Professor of Anthropology and Quaternary Studies Dan Sandweiss was the first to extensively excavate the site almost two decades later. Today, Quebrada Jaguay remains one of the few South American sites with evidence of very early maritime adaptations by paleoindians. Few coastal paleoindian sites remain because most were destroyed by rising sea level, caused largely by the melting of glaciers at the end of the last ice age. Quebrada Jaguay was protected by a steep continental shelf.

Since 1996, Sandweiss and five UMaine faculty members have collaborated on research initiatives in Peru, two of them on the Quebrada Jaguay project. This July, a sixth will join Sandweiss in Peru.

“In paleoindian research, Quebrada Jaguay is a ground-breaking site,” says Tanner. “When I first read of this site, what I liked most was the idea of early coastal migration and early boats. This site may ultimately not indicate coastal migration, but the possibility exists. It is one of three known sites featuring a paleoindian maritime adaptation in the New World.”

Tanner is the second UMaine graduate student to conduct research with Sandweiss at the Peruvian site. He went to Peru with Sandweiss and other UMaine researchers last year, and will be there again this summer. In what is quickly becoming a globally recognized critical mass of Andean studies at UMaine, Tanner contributes his knowledge of lithic analysis to the study

of prehistoric stone tools, under the direction of David Sanger, professor of anthropology and Quaternary studies.

“Prehistoric people made a lot of stone tools, which is what you often find when you dig a site,” says Tanner. “Perishable materials like cordage, wood and bone tools often don’t survive to be found, especially in paleoindian sites.

“The traditional approach is a morphological analysis of formal tools, comparing the differences and similarities of forms between different sites. I am taking a different approach. Rather than comparing just the shapes of the tools, I’m doing a technological analysis, looking at the techniques people are using to produce the tools.”

In piecing together the mystery, Tanner is analyzing more than 10,000 specimens, including the first collected from the excavation in 1996. In a lab in South Stevens, the specimens are being numbered and cataloged; information is then entered into a database.

Such technological analysis is particularly pertinent at Quebrada Jaguay, where an extraordinary amount of debitage, the chipping debris or byproduct of formal tool making, is found. Characteristics of the chipping debris, ranging in size from 2 mm to 4 cm, provide clues as to how the tools were made.

“From the chips, we can find out what stage of reduction the tool was in, whether production was just starting or finishing on that tool, and aspects such as the kind of percussion, whether from a hard hammer (like a cobble) or soft hammer like an antler,” he says.

Tanner also makes stone tools using the techniques of aboriginal populations. By reproducing stone tools, he gains insight into the lithic technology, and how different techniques produced different stone chips.

The technology of paleoindian tool making is important in understanding ancient human societies in Peru, says Tanner. “The lithic situation during paleoindian times (11,000 to 13,500 years ago) in Peru is poorly understood,” says Tanner. “My job is to take the lithics from this new site and tie them into the bigger picture. Up until now with traditional lithic analysis in Peru

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The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Sensing Bananas

A new sensor research project at the University of Maine has students and faculty going bananas. In their effort to develop a fruit ripeness sensor that could be useful for growers and food processors, they are monitoring bananas for natural emissions of ethylene gas.

John Vetelino, a professor in the Department of Electrical and

Computer Engineering (ECE), says that ethylene is an indicator of

the ripening process in many fruits and vegetables. A sensor that detects minute quantities of the tell-tale gas could save the food products industry money by providing precise information about the best time to pick, store and process produce. Vetelino is a pioneer of UMaine's sensor program in the Laboratory for Surface Science and Technology (LASST).

"This is a pilot project to determine if the technology will work for this purpose," he says. The project is being carried out at LASST under a \$49,918 grant from the U.S. Department of Agriculture. Vetelino is working with Al Bushway of the UMaine Department of Food Science and Human Nutrition, Bruce Segee of ECE, and three electrical engineering students: Jeremy Thiele, a sophomore from Hollis; Jie Zhou, a master's student from Wuhan, People's Republic of China; and Stephanie Pitcher, a junior at the University of Colorado from Colorado Springs.

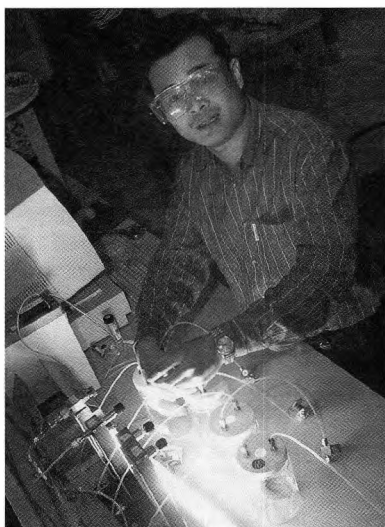
Pitcher came to UMaine in the summer of 1999 as part of the Research Experience for Undergraduates (REU) program, which Vetelino has coordinated over the past two decades with National Science Foundation funding. She returned to Orono during the holiday vacation to continue working on the project and intends to enroll as a master's student at UMaine after graduation.

"The benefit to industry would be having a non-destructive way to monitor food quality," says Bushway. "The end result will be better products the consumer."

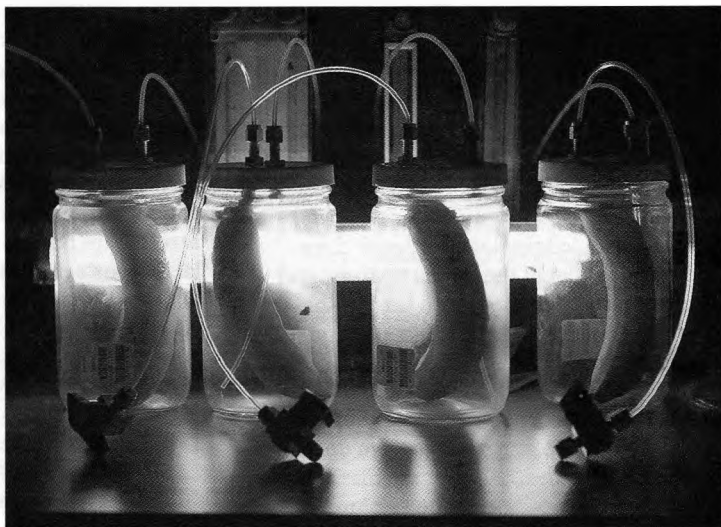
This is a new direction for the laboratory, says Vetelino. "We've got major projects going with the Department of Defense in the area of chemical and biological sensors and the National Institutes of Health in sensors related to human health. Our science is driven by practical applications, and this project has gotten lots of support from people in the food industry."

A ripeness sensor could be a boon to growers by indicating when crops are ready to pick. Ideally, harvesting should be done at the peak of ripeness. However, large commercial farms must often pick early, just as produce begins to ripen. There is a danger, however. If they pick too early, the produce may not ripen at all.

"As fruits and vegetables start ripening, they emit very small concentrations of ethylene, in the parts-per-million range," says Vetelino. "Our sensors have to be sensitive enough to detect that level."



Jie Zhou, a master's student from Wuhan, People's Republic of China, adjusts the air inlet and outlet tubes on containers used in the ethylene gas monitoring project.



Photos by Monty Rand

Food processors face similar issues, he adds. As produce is held in storage, peak ripeness occurs as ethylene concentrations reach a maximum. For most purposes, that is the ideal time to begin processing

"If processors wait too long, you get fermentation and alcohols and other compounds that are generally undesirable," says Vetelino.

The goal of the banana monitoring experiments is to determine how ethylene gas concentrations correspond to different stages of ripeness, says Vetelino. Researchers will use the data to calibrate sensors. Students have placed the bananas in sealed jars, and the gases emitted by the fruit are analyzed by high-performance gas chromatography.

The project is in a very early stage of development, and Vetelino knows that a number of difficult issues still need to be addressed. For example, the sensor must respond to ethylene and not any of the other compounds that are emitted by fruits and vegetables.

The sensor also has to be able to perform continuously without becoming "poisoned." That can occur when the sensing element becomes clogged with the chemical being detected. In fact, some sensors are designed to be used once and then discarded. In that case, being "poisoned" is not a problem. However, for constant monitoring of produce, the sensor must be able to indicate varying levels of ethylene gas as products ripen.

Ultimately, gas levels detected by the prototype sensor will be translated by an intelligent software program to give a clear indication of ripeness. Segee, an expert in such systems, will supervise that part of the project.

The sensor program in LASST has also tackled several other USDA-funded food quality projects in the past year. In collaboration with the Sensor Research and Development Corp., (SRD) in Orono, LASST scientists are working on a device to monitor compounds emitted from fish as an indicator of freshness. Another team led by David Frankel, senior scientist at LASST, is working on a sensor to detect pesticide residues on fruits and vegetables. Graduate and undergraduate students are involved in each of these projects. ▲

The Legacies of Two Landscape Pior

In Special Collections of Fogler Library, University of Maine senior Melissa Monroe prepares to do her research by donning white gloves, turning on her laptop and training a magnifying glass across the handwritten notes, symbols and sketches on the large, translucent sheets.

Her goal is to translate the pencil drawings into a pallet of the colors, textures and elements that were used by a turn-of-the-century pioneer to create living works of art.

Portland native Ellen Louise Payson (1894-1977) helped define the aesthetics of American garden and estate design during the first half of the 20th century. She gained widespread recognition in the 1920s and 1930s. In 1933, she was one of six women honored as Hall of Fame members by *House & Garden Magazine*.

Last June, Dr. Hugh Payson Robinson of Falmouth and his wife, Patricia, donated more than 500 of his aunt's original drawings, blueprints and photographs. The Ellen Louise Payson Collection is now in Fogler's Special Collections.

The cultural, scholarly and professional significance of the Payson Collection is now an invaluable resource for landscape horticulture majors like Monroe, who is the first UMaine student to begin what will be ongoing research involving the historical archive.

"I always have been interested in history," says Monroe, who lives in Veazie. "While we can't go back in time, we can recreate, appreciate and understand a piece of a by-gone era. I love learning about how things used to be."

In her career, Monroe aspires to incorporate historical horticulture into residential landscaping. While large heritage gardens like those designed by Payson are high maintenance, similar gardens on a smaller scale for residential sites can be created with the needs of the homeowner in mind. The precedent-setting design principles and heritage plants selected by the leaders in landscape horticulture and architecture like Payson can be used today to create display gardens.

In this, her senior capstone project, Monroe will establish a baseline of information concerning the gardens of the era according to Payson.

"I hope to put together a pallet of heritage plants from which to choose materials for use in smaller gardens," says Monroe. "I want to experiment using the Beatrix Farrand or Payson collections of plants in a

design composition on a small scale."

UMaine is home not only to the Payson Collection but The Robert and Catherine Barrett Fund for Landscape Horticulture at the University of Maine in Memory of Beatrix J. Farrand. A \$250,000 gift to UMaine in 1998 by Catherine and Robert Barrett III of Bar Harbor and Palm Beach, Fla., supports multi-faceted teaching in the Landscape Horticulture Program.

The gift honors the memory of Farrand (1872-1959), a famous 20th century landscape gardener who lived at Reef Point in Bar Harbor, adjacent to Atlantique, the Barretts' summer home. Farrand, a founding member of the American Society of Landscape Architects at the turn of the century, was the first landscape designer to create major gardens on both sides of the Atlantic.

The Barrett gift creates opportunities for UMaine academic scholarships and internships, through which students and faculty can study the works of Farrand and Payson, and preserve some of the heritage plant species.

In Bar Harbor, a five-year project involves extensive landscaping of the Barrett's property using the designs and techniques favored by Farrand. For nearly a quarter-century, Farrand's work has been the subject of classroom lectures and the focus of fieldtrips to Bar Harbor, led by UMaine Associate Professor of Landscape Architecture Bill Mitchell. Now, the historical landscape restoration at Atlantique will provide a living laboratory for students and faculty.

"There is a resurgence in historic preservation in this country," says Mitchell. "Plant material has changed so much in the last 20-30 years. If you want to do accurate restoration, you want to find the old plants."

"Farrand was a leader in the study of plants, to the point of doing her own research projects testing hardiness at Reef Point. Today, a lot of what we build on in landscape horticulture was tried, tested and proven with plant material of years past."

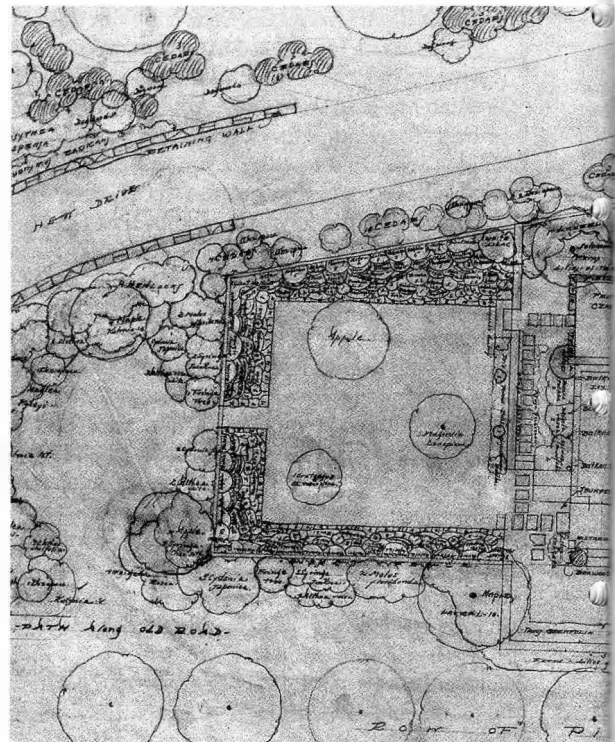
"Both Payson and Farrand are noted today for their use of detail in plant materials and in hardscape ornamentation. They also left their marks in how they created sequenced, three-dimen-

sional space. Theirs was an impeccable three-dimensional perspective, first in their drawings and subsequently in the gardens they created."

Having the Payson Collection here helps students not only learn about historic preservation but provides a historical foundation. "My goal is to expose students in the third-year design courses to the different designs, principles and techniques in hardscape and plants that Payson used," says Mitchell.

"I also expect to use the collection more as student research projects develop. We will have other students working with Melissa on this project to come up with a demonstration garden, hopefully in the Lyle E. Littlefield Ornamentals Trial Garden on campus, that reflects Payson and her use of plant material and hardscape elements."

Monroe's senior capstone project will involve as many of the drawings in the Payson Collection as possible. A list of plant materials will be developed according to how and where they were used by Payson – in a north-facing garden, on a terrace or in an herb garden, for instance. Monroe also will determine what materials Payson commonly used in combination with others. A study of the landscape architect's notes, not only on plants but on such topics as soil preparation, will provide what is thought to be the first master list of the plants and



ers Live On At UMaine

techniques used by the landscape pioneer.

It also will provide Monroe with the opportunity of a lifetime.

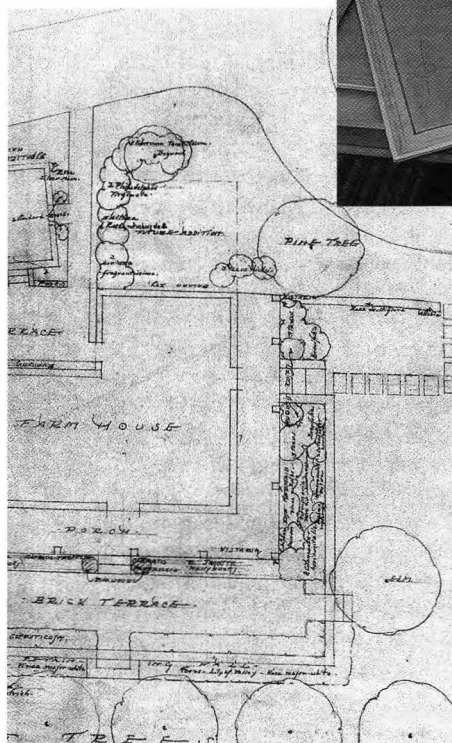
"Historical landscaping is one of my main interests," says Monroe. "To have this resource at the University provides a great learning opportunity to which few people my age have access. When I am out there working in my field, I will have a good knowledge of what used to be and what is possible for historical renovation because of this collection.

"When I first saw the drawings, I recognized that her technique was different than any I'd seen before," says Monroe. "The drawings contain so much detail, including a lot of written description and plant symbols unlike the techniques used today. The photos show what resulted from the designs."

Monroe is the first of several upper-level UMaine students expected to study and conduct research using the Payson Collection. Ultimately, Mitchell hopes to compile and publish the

data — from specifics on individual heritage plants to the compositional form of their use.

"When Melissa is done, we will have the incredible working knowledge of plant material and how Payson applied it," says Mitchell. "That's where this project begins." ▲



Melissa Monroe, pictured above, a landscape horticulture major, is basing her senior capstone project on the Ellen Louise Payson Collection, now housed in Fogler Library. The Payson Collection includes more than 500 of the original drawings, like the one pictured at left, blueprints and photographs. A study of Payson's notes on plants and such topics as soil preparation will provide what is thought to be the first master list of the plants and techniques used by the turn-of-the-century pioneer.

Photos by Monty Rand

Ivana Trump Donates Painting in Support of Landscape Horticulture, in Memory of Beatrix Farrand

Ivana Trump has joined ongoing efforts, spearheaded by University of Maine benefactors Robert and Catherine Moore Barrett, to raise funds for UMaine.

At an art show, reception and fund raiser in Palm Beach March 9, a painting by Bill Grossett that is owned by Trump will be auctioned to raise money for The Robert and Catherine Barrett Fund for Landscape Horticulture at the University of Maine in Memory of Beatrix J. Farrand, and for the College of Natural Sciences, Forestry, and Agriculture.

The event is hosted by the Barretts of Bar Harbor and Palm Beach, and supported by area art groups, led by Lou and Anne Green of Boca Raton and Maine Venture Capital.

Grossett is well known for his decorative painting and faux artwork, including mural and trompe l'oeil.

"I am delighted to be able to help the Barretts carry on the distinguished work of Beatrix J. Farrand," said Trump. "She and Bill Grossett are a good match — he creates beauty inside; she enhanced beauty outside. The Barrett Fund is helping to train the landscape gardeners and architects of tomorrow. By supporting it, we are investing in the future."

Last year, a very successful Boynton Beach art show raised monies for the Barrett Fund. The Barretts' summer fund raiser at Atlantique in Bar Harbor featured Lester Lanin conducting his orchestra.

Beatrix Farrand, a founding member of the American Association of Landscape Architects, established herself as a legendary figure in the field of gardening and landscape design at the turn of the century.

The Barrett Fund in her name has supported the acquisition of landscape and architectural drawings by Ellen Louise Payson, now in Special Collections; funded a promotional video for the UMaine landscape program; and will award the first annual grant to a graduate student next year.

UMaine Clinical Audiologist Part of Humanitarian Mission to the Dominican Republic

It was the end of a 12-hour day when audiologist Amy Booth met Genesis. The 4-year-old girl had such profound hearing loss, there was little hope that a hearing aid would help. But as a trial, a hearing aid was put in one of her ears.

Booth spoke into the hearing aid. Genesis repeated the sounds – the first she'd ever heard. Her parents cried.

Genesis slept that night with her hearing aid on, refusing to part with it. When she returned the next day for a hearing aid for her other ear, she refused to sit still for photographs unless she was wearing her aids.

When Genesis spoke, she heard the sound of her voice for the first time.

"When hearing aids change someone's life like they did for Genesis, it makes it all worth while," says Booth, UMaine clinical audiologist and lecturer in the Department of Communication Sciences and Disorders. "On a mission like this, even if she's the only one touched by what you do, it is worth it."

Genesis was one of 228 children and young adults seen by a team of four certified, practicing audiologists from throughout the U.S., and four audiology graduate students from Central Michigan University. Booth was one of those audiologists who helped fit 350 hearing aids during the humanitarian mission, Nov. 30-Dec. 6, sponsored by the Starkey Foundation, with funding from Orphanage Outreach and Rotary International in Higüay in the Dominican Republic.

Higüay is located in a region of the Dominican Republic with the highest incidence of deafness in its population. Most of the youngsters and teens seen by the audiologists are congenitally deaf.

"Many of the Rotary International members who served as escorts are physicians," says Booth. "When we asked the reason for the high incidence, they said there is no explanation. Possible causes range from rubella to a genetic trait and malnutrition."

The team worked in a wing of the hospital in Higüay, setting up two hearing assessment stations in the morgue and a dentist office. Each morning, children and their parents were waiting at the hospital gates. Every day began with triage that included checking for excessive cerumen (wax), active disease, deformities, or past surgeries in the ear canal. Those needing medical attention were sent to a physician working with the team. Once cleared by the triage team, all children received a hearing assessment or evaluation.

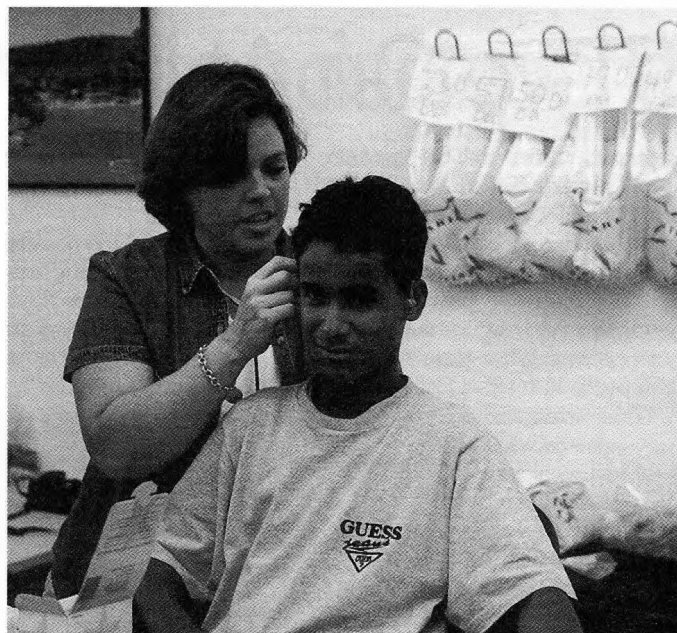
If a test revealed hearing gain with a hearing aid, an ear mold was made on site and an aid fitted.

Many of the youngsters were from area orphanages, including one bus full of children who left their home at 1:30 a.m., to get to the clinic.

While most of the team members did not know Spanish, they successfully communicated with their young patients using American Sign Language.

"It was heartbreaking to have to turn people away," says Booth. "We only came down with 375 hearing aids. But news that we were there spread by word of mouth. And expectations were high, especially among parents, that we could help their children communicate. Many had anticipated our arrival for months, like the coming of Christmas."

"When we first put hearing aids on some children and the ability to hear was not there, you could see disappointment in their parents' faces."



Amy Booth, UMaine clinical audiologist and lecturer in the Department of Communication Sciences and Disorders, was a member of a team of four certified, practicing audiologists from throughout the U.S., and four audiology graduate students who traveled to the Dominican Republic on a humanitarian mission to fit children and young adults with hearing aids.

For those helped by the hearing aids, the effect on the young people, their families and the audiology team was "grand," says Booth.

"As audiologists, this is something we do everyday, taking for granted how exciting this can be for people," she says. "Based on what happens in our offices and clinics here, we know that hearing aids can have a profound impact on a person's education, communication, family and livelihood. The hope is that it increases quality of life."

Booth plans to use her experience on this mission as a springboard for other professional activities. She hopes to one day take UMaine graduate students in communication sciences and disorders on similar missions to countries such as Mexico and India. Students need to learn about cultural diversity and global issues to increase their knowledge of what is needed in the world, Booth says.

In addition, there is a professional need to understand and advocate the importance of preparation and follow-up for such missions, she says. For instance, it is important to provide a year's worth of batteries, and to dispense a booklet written in Spanish concerning care, cleaning and maintenance of hearing aids. It also is essential that follow-up includes a plan to revisit the area after that initial year to resupply the battery stock, and address any repairs and change in hearing status.

"You realize how important follow-up is when a little boy we fit with hearing aids comes back crying later that day, signing that his aids are broken. It turns out he had turned on the wrong switch, cutting off the sound."

This summer, Booth and the audiology team hope to reunite to return to the Dominican Republic, this time to do follow-up on aural rehabilitation to develop speech in people who are hard of hearing and deaf. The team hopes to work with teachers at the orphanages and an area school for the deaf so that those educators can then help their students develop speech using hearing aids. ▲

Teaching Moment

Center for Teaching Excellence

By James Berg

Tips for Getting a Discussion Going

In October 1999, the Center for Teaching Excellence organized a workshop on leading a discussion, led by Kristin Langellier and James Berg. Much of the material for the workshop came from the teaching experiences of Langellier, winner of the 1991 Presidential Outstanding Teaching Award, and Berg, director of the Center. Below is some of the material from the workshop.

Ideas for getting discussions started include:

- ▼ Use a brief writing exercise to let students gather their thoughts.
- ▼ Use think-pair-share, i.e., have students think individually for a minute or two, turn to the person next to them to discuss their ideas for three minutes, and then have a full-group discussion.
- ▼ Ask open-ended questions with more than one right answer.
- ▼ Ask questions that call not only for recall or comprehension, but for application, synthesis or analysis.

The following tips were adapted by Kristin Langellier from Stephen Brookfield and Stephen Preskill's, *Discussion as a Way of Learning* (Jossey-Bass, 1999):

Strategies for Distributing Participation in Discussion

1. Set up and monitor ground rules for talking in class. Reaffirm them when you need to throughout the semester. Monitor and act against any speech that is hostile to individuals.
2. Model expectations for distributing participation in discussion groups early in the course (e.g., inviting others to talk, controlling how long any one student speaks, giving way to other speakers, welcoming questions and criticism, arguing against your own ideas, stumbling and making mistakes, etc.).
3. Decenter yourself and facilitate students talking with each other. Don't overestimate the value of your own contributions (the sound of your own voice) and don't underestimate what your students can do. Ask yourself: Do I respond to every student who speaks? Do students pause before responding to each other because they expect me to make a comment each time?
4. We often do not give students enough time for thought in discussion. Consider calling for time-outs – periods of reflective

silence when students think about important points that have been made, contradictions that have surfaced, omissions that occur to them, and where the discussion should go next. Students make a few notes on these matters, and teachers begin the next phase of discussion by asking students who haven't spoken much to read out what they've written.

5. Introduce regular exercises and rules for discourse that guard against one person's dominating the conversation (e.g., being able only to talk about other people's ideas, waiting three turns before speaking again, etc.)

6. Vary kinds of participation: whole class in class, small groups in class, electronic discussions, etc. When you work with small groups, assign specific roles or tasks for participants. This gives purpose, a sense of security, and distribution. Migrate among the groups to monitor and encourage participation.

7. Keep track of and analyze classroom participation, including your own. (Do a record yourself; ask one or two students to do it for you; invite a trusted colleague to observe and record, audiotape or videotape.) Consider distribution of talk among students and how your own behaviors facilitate, interrupt or stall discussions. ▲

Early Tool Makers *continued from page 8*

comparing formal tools from sites, it has been hard to tie different groups together. Using the technological approach, I will try and piece things together for a more coherent picture representing that part of the world."

Tanner's early observations of the lithic technology at Quebrada Jaguay indicate that much of the stone tool making was in the later stage of reduction – near completion.

Preliminary assessment indicates that material was quarried and the initial steps of making tools occurred somewhere else, and then the tools were finished at this site. In final reduction, such as bifacial reduction for a spearhead or scraper, pressure flaking could have been done with an antler or shell.

"We also found a source of some of the lithic material, the obsidian (a volcanic glass) at a quarry in the highlands about 130 km from the coast," says Tanner. "The question is whether groups were trading or involved in seasonal migration. This exotic rock could also indicate a coastal population going into the highlands, or highland populations coming to the coast and exploiting the resources.

"Lithic analysis is going to help establish connections with the highlands. One of the goals of the project is to visit the quarry sites to look for direct ties to the coastal site."

Also aiding in making those connections will be geographic information system (GIS) applications, which Tanner is incorporating into his research. The stone tool chips Tanner is analyzing include pieces of chert, quartz, sandstone, obsidian, petrified wood and other volcanic-type rocks.

In piecing together the mystery, Tanner is analyzing more than 10,000 specimens, including the first collected from the excavation in 1996. In a lab in South Stevens, the specimens are being numbered and cataloged; information is then entered into a database.

Following his master's work, Tanner plans to pursue a Ph.D. in anthropology. His goal is to focus his research on modeling studies, "looking at the bigger picture by integrating data from different sites to make hypotheses about what's going on." ▲

MARK YOUR CALENDAR!

Diversity Education: Race and Ethnicity

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www.ume.maine.edu/ced-conf/diversity.html

Diversity
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Student Leaders *continued from page 7*

affairs professionals, designed to empower and challenge students to be effective campus and community leaders. Topics included women in outdoor leadership; discovering the leader within you; diversity; motivating and energizing others; value-based and inclusive leadership; and ethics.

Keynoting the opening and closing sessions of the conference, and taking part in workshops, was leadership educator Michael Poll. Poll is the creator of the Leadership Development Inventory and Student Leadership Assessment instruments for evaluating student leadership. He also is the author of more than 20 educational articles on leadership, personal growth and organizational development.

This year's conference was divided into three tracks: emerging leaders, ethical leadership and general. The tracks were specially designed to meet the needs of varying levels of experience and interest of students.

Student leaders apply to their respective institutions for the opportunity to represent their colleges or universities at the conference.

This is the second year that the conference will be held at Maine Maritime Academy. While attending the conference, participants were housed on the Academy's training vessel, the *State of Maine*.

The conference is organized by the Maine State Leadership Cooperative, a group of student affairs professionals from higher education institutions throughout the state. The Cooperative's goal is to promote leadership development and networking among emerging and experienced student leaders.

The Cooperative was founded by the University of Maine, University of Southern Maine, University of Maine at Farmington, Maine Maritime Academy and the University of New England. In the last three years, membership in the Cooperative and participation in the annual conference have grown. Last year's conference, also held at Maine Maritime, attracted more than 230 student leaders representing 16 higher education institutions in the state.

"No one institution has the resources to provide its students what a Cooperative like this can," says Sheri Cousins, director of Organization and Leader Development at the University of Maine and a founding member of the Maine State Leadership Cooperative. "By pooling our resources, we can bring student leaders together from different campuses to network, learn and hone leadership skills, and explore their futures in leadership."

The UMaine students selected to attend the Maine State Leadership Cooperative Student Leaders Conference Feb. 4-6:

Mehwish S. Amin	Michelle Rodrigue	Glen Chase
Ukeme Awakessien	Jamie Rogers	Anthony Cox
Emily Ann Cain	Sarah E. Smith	Sharad Rathnam
Michelle Gagne	Lyndsay Tower	Tarun Rathnam
Rani Gould	Natasha Watson	Nick Runco
Zainab T. Oyetunji	Brea P. Williams	Aaron T. Sterling
Jenna Petelle	Brandi Williams	Ryan Watts
Lindsay Rice	Stephanie Zehler	
Janet Riese	Ryan Burgeson	

SPEAKERS BUREAU AND SPECIALISTS 2000 AVAILABLE

Each year the University of Maine compiles a list of its personnel who are specialists in their fields, including many who are available to speak to groups and organizations. The free guide, *Speakers Bureau and Specialists List 2000*, lists over 200 speakers covering more than 500 topics in subject areas, as well as 110 specialists in 318 areas of expertise. To obtain a copy of *Speakers Bureau and Specialists List 2000* or for more information, call 581-3743, or visit the Website: www.umaine.edu/speakersbureau.

Office *continued from page 7*

Similar lines of communication will be opened with faculty advisors of student organizations, as well as other members of the University community interested in mentoring. A Consult the Expert list will be compiled with names of faculty, staff and experienced students who volunteer to offer their advice to groups with particular issues or questions.

A tool being created this semester by the office of Organization and Leader Development is a how-to Student Organization Manual. The manual will include information to assist student groups in development, promotion and programming. It also will serve as a resource guide.

UMaine students also will come together on an advisory board for the Office of Organization and Leadership, helping determine the mission and direction that will most benefit groups and their contributions to student culture and experience.

To begin to address specific issues of student groups, a needs assessment survey has been sent to the almost 130 student organizations on campus, including clubs, Greek groups, academic associations and honor societies. Once compiled, the survey responses will offer a sense of how student groups are operating on campus, from how members view the effectiveness of their organization to levels of participation and drawbacks to growth, such as competition for limited resources on campus.

"A goal is to create a cooperative among student organizations in which they can work jointly, reflect student needs and objectives, and succeed in their programs," Cousins says. "So far, we've heard most that students want workshops and opportunities to network with other student leaders, including those on campus and at other higher education colleges and universities." ▲

Book Ends

New & Noteworthy at the University Bookstore

***Lies Across America: What Our Historic Sites Get Wrong*, by James Loewen, The New Press (2000).** James Loewen's last book, *Lies My Teacher Told Me*, a debunking of high school American history textbooks, was UMaine's Class Book selection for 1998-99. Now, using the same honest approach and subversive take on misinformation, Loewen looks at more than 100 sites where history is told on the landscape. Including historical markers, monuments, outdoor museums, historic houses, forts and ships, this new book investigates how many of these cherished sites interpret our history in a way that is profoundly wrong. Here, the author attempts to correct these flawed versions of our public histories, as well as raise questions about what we as a nation choose to commemorate and how. This book is a reality check for anyone who has ever sought to learn about America through our public sites and markers.

***The New City*, by Stephen Amidon, Doubleday (2000).** It's 1973. The Vietnam War is winding down and the Senate Watergate hearings heating up. In Newton, Md., a pristine, meticulously planned community, an innocent misunderstanding is about to set the two men who control its quiet streets on a fateful collision course. The seeds are sown for racial discord and hate in a city that was born of a vision of racial harmony. *The New City* is a powerful and thought-provoking account of American idealism meeting American racism head-on in the 1970s.

***Gap Creek: The Story of a Marriage*, by Robert Morgan, Algonquin Books of Chapel Hill (2000).** In his latest novel, Robert Morgan revisits the vivid world of the Appalachian high country to follow Julie and Hank in their new life on Gap Creek. As Julie and Hank scratch out a life for themselves, they don't know what to fear most – the floods or the flesh-and-blood grifters who insinuate themselves into their lives. Their struggles with nature, work, the changing century, and the disappointments and triumphs of marriage make *Gap Creek* a powerful and intimate story.

Note: The last day for full refund on textbooks is Tuesday, Feb. 8.

James Sucec, professor of mechanical engineering, and former graduate student **Hong-Zhao Weng**, Baric Systems Inc., Houston: "Transient Conjugate Convection Heat Transfer in a Duct with Wall Generation," *Proceedings of the 33rd National Heat Transfer Conference*, NHTC 99-61 (on CD-ROM).

Alan White, Jack Witham, Malcolm Hunter Jr., and Alan Kimball: "Relationship Between Plant Species Richness and Biomass in a Coastal Maine Quercus-Pinus Forest," *Journal of Vegetation Science*, 10:755-762.

K. McCracken, former graduate student in Wildlife Ecology, **M.L. Hunter Jr.**, professor of wildlife ecology, and **J. Witham**, research associate in Wildlife Ecology: "Relationships Between Seed Fall of Three Tree Species and *Peromyscus leucopus* and *Clethrionomys gapperi* During Ten Years in an Oak-Pine Forest," *Journal of Mammalogy*, 80:1288-1296.

Marisue Pickering, professor of communication sciences and disorders: "A Faraway Place," *The Maine Scholar*, 12:49-54.

Ramesh Gupta and Pushpa Gupta, professors, Department of Mathematics and Statistics: "Frailty Models and Their Applications," *Statistical Methods*, 1(1):41-53 (1999).

Emeriti Activities

K. Elizabeth Gibbs of Hampden, professor emerita of entomology, joined the UMaine faculty in 1971. Since her retirement in 1995, Gibbs has co-authored several publications and taught summer courses. She also continues her research in biology and the ecology of aquatic insects. Gibbs is active in conservation and matters in her community, and has done some environmental consulting.

Bernie Yvon of Steuben and Ormond Beach, Fla., is professor emeritus of math education and child development. He was a member of the UMaine faculty from 1970-96. Since his retirement, he has been involved in in-service mathematics education for teachers and math teaching demonstrations in schools. He also has completed research on Canadian studies outreach efforts to teachers by selected American universities, including the University of Maine.

William and Jane Pease of Harborside and Chapel Hill, N.C., are professors emeriti of history. William taught at UMaine from 1966-87; Jane from 1966-67 and 1969-88. The Peases were fellows of the Institute for Southern Studies at the University of South Carolina from 1988-95. Since 1988, they also both have been associates in history at the College of Charleston. The Peases received an Archie K. Davis Fellowship for research on North Carolina history, and both have served on the editorial board of *The Journal of the Early American Republic*. In 1989-90, Jane served as president for the Society for Historians of the Early American Republic. Their current research is an edition of letters written by the American artist Caroline Carson during her 20-year residence in Rome. Joint books by William and Jane Pease in recent years include *A Family of Women: The Carolina Petigru in Peace and War*, *James Louis Petigru: Southern Conservative, Southern Dissenter*, and *Ladies, Women & Wenchies: Choice and Constraint in Antebellum Charleston and Boston*.

PRESIDENTIAL RESEARCH AND CREATIVE ACHIEVEMENT AWARD

2000 Presidential Research and Creative Achievement Award nominations are due Friday, March 10 in the Office of Research and Sponsored Programs, 424 Corbett Hall.

The award, in the amount of \$1,500, is made to a faculty member who has attained distinction in research or creative achievement. Each year, the Faculty Research Funds Committee makes nominations for the President's consideration, and the award is made at the Honors Convocation.

Nomination forms are available from Gayle Anderson in the Office of Research and Sponsored Programs, 424 Corbett Hall, x-1498, and in the Offices of Deans, as well as on the Office of Research and Sponsored Programs Website: www.ume.maine.edu/~spd/index.html

Sandweiss Interviewed for BBC-Discovery Series

Daniel Sandweiss of the Department of Anthropology and Institute for Quaternary Studies was interviewed by Sophie Harris, a researcher for the BBC working on a joint BBC-Discovery series on natural disasters in the ancient world. Sandweiss provided background information about El Niño and its impact on ancient Peruvian cultures, and referred her to the responsible archaeologists for specific case studies.

Borns, Fastook to be Part of Discovery Program

Harold Borns and James Fastook of the UMaine Institute for Quaternary Studies will be featured in a Discovery Channel documentary on the Ice Age March 13. The program contains scenes from Down East blueberry barrens and glacial moraines, as well as an animated model of glacial advance and retreat based on Fastook's research. Both Borns and Fastook appear in the film discussing their work. The production has another connection to

Maine. Sean Gallagher, producer of the film, is the son of James Gallagher, faculty member in the Department of Sociology. Sean is a Bangor High School graduate who also produced an Emmy Award-winning Discovery program on the life of *Catch 22* author Joseph Heller.

Sensor Research Attracting Global Attention

A story about a new UMaine research project to develop a fruit ripeness sensor has been posted to ScienceDaily, an on-line science news Website (www.sciencedaily.com). The story involves the work of three students, Jeremy Thiele of Hollis; Jie Zhou, a master's student from Wuhan, People's Republic of China; and Stephanie Pitcher, a junior at the University of Colorado from Colorado Springs, working in collaboration with faculty members John Vetelino, Al Bushway and Bruce Segee. The story has also been picked up by a Chinese science Website based in Hong Kong.

Orr in the Los Angeles Times

Nellie Orr, assistant professor of kinesiology and physical education, is among experts cited in a story in the Jan. 23 *Los Angeles Times* about careers in exercise sciences, focusing on corporate fitness programs. The story positions UMaine with other higher education institutions offering health-fitness programs, such as Ball State University, and Orr with fitness, medical and corporate programming experts around the country.

Cutler Health Center Cited by Apple Computer

Apple Computer's education Website features a three-page story on Cutler Health Center, "Macs in Action, Healing a Healthcare System." The story is located at www.apple.com/education/hed/macsinaction/maine/

Roundup of UMaine in the National News

Recent newspaper articles received from the service which tracks UMaine references in newspapers outside Maine show a number of University stories that received significant attention late in 1999. Some examples:

- ▼ A feature story on Ernestine Schlant Bradley, the wife of Presidential candidate Bill Bradley, appeared in daily papers in Philadelphia, Buffalo and Norwalk, Conn. The story included photos of, and references to, her Commencement speech at UMaine Dec. 18.
- ▼ A Dec. 1 *USA Today* story about labeling of genetically engineered food, which included a comment from UMaine faculty member Mario Teisl, also appeared in 19 other newspapers, including those in Atlanta and San Diego, as well as *The Washington Post*.
- ▼ A report based on research by Associate Professor Leonard Kass on the effect of travel across several time zones on the performance of basketball teams in the NCAA tournament appeared in *USA Today* (Nov. 30), and in papers in Phoenix, Schenectady, Fort Lauderdale and Asheville, N.C.
- ▼ A story about the controversy related to a *Maine Campus* ad denying the Holocaust ran in *USA Today*, *Boston Globe* and three other papers.

AFFIRMATIVE ACTION PLAN

UMaine's Y2K Affirmative Action Plan is available in the Fogler Library reference room and in the Office of Equal Opportunity, 101 North Stevens. The Affirmative Action Plan, required of all organizations receiving federal funds, includes an analysis of women and federally designated minorities in each University employee category (administrators, faculty, professional and classified staff), and goals where these groups are under-represented.

Malcolm Hunter Jr., professor of wildlife ecology and Libra Professor of Conservation Biology, gave a seminar on "The Biological Dynamics of Landscape" at the National Catholic University of Chile, Santiago, Dec. 15. In addition, he presented a keynote address, "The Biological Dynamics of Landscapes," at the Modeling Forested

Landscapes and Wildlife Workshop, Cloquet, Minn., Nov. 4. He also gave a talk, "Natural Processes as Models for Managing Ecosystems," at the Biology Department, University of Minnesota, Nov. 5.

Douglas Allen, professor of philosophy, has been elected vice president of the international Society for Asian and Comparative Philosophy. Allen will become president of SACP in fall 2000 and will serve a two-year term as president.

Douglas Nangle, assistant professor of psychology, and **Cynthia Erdley**, associate professor of psychology, have been appointed co-editors of a book, *Friendship and Psychological Adjustment*. In addition to co-editing the book, Erdley and Nangle will contribute a chapter. The book, published by Jossey-Bass Publishers, is part of a series, *New Directions for Child and Adolescent Development*, and will include contributions from several leading peer relations researchers.

Mark Lutz, professor of economics, led a book discussion on *Plundering Paradise*, by Robin Broad with John Cavanagh, at the Rockport Opera House, Jan. 26. The discussion was held in collaboration with the Thirteenth Annual Camden Conference on Southeast Asia.

Jeffrey Wilhelm, associate professor of literacy education, has been named a visiting professor at St. Paul's School, a college-preparatory day school in Brooklandville, Md. Wilhelm began his teaching career at the boys' school as an English and German teacher in the

early 1980s. He will be working with the school this semester as part of a research project examining boys' stances, attitudes and practices around literacy activities, both in and out of schools.

Nancy Hall, assistant professor of communication sciences and disorders, had her research on intervention for co-existing stuttering and language impairment featured in the January 2000 newsletter of the Stuttering Foundation of America. The Stuttering Foundation of America is a nonprofit organization concerned with the prevention and treatment of stuttering. It distributes over a million publications worldwide to people who stutter, their families, and professionals each year.

Per Garder, associate professor of civil engineering, was honored in January with the Best Paper Award by a committee of the federal Transportation Research Board. Garder's paper describes the effects of a new roundabout in Gorham on traffic safety, delay, capacity and the environment. "The paper clearly shows that there are improvements in all these areas, but a lot of drivers do not think that the roundabout is a good solution for similar sites," says Garder.

Two Navy ROTC Midshipmen and UMaine students have received recent honors. **Jeffrey Prager**, a mechanical engineering major, received the Midshipman of the Semester Award for the fall '99 semester. His selection was based on his overall performance in leadership, academics and physical readiness. **Gary Raymond**, a computer engineering major, received the New York City Post Society of American Military Engineers S. Everett Hunkin Scholarship for 1999. The scholarship is awarded in recognition of high moral and outstanding scholastic standards. In addition, the following students have been selected to participate in the indicated Navy fields after graduation: Officer Candidate **Howard Craig**, Submarine Program; Midshipman **Troy Degerstrom**, Surface Warfare Program; Midshipman **Amanda Kantowski**, Surface Warfare Program; Midshipman **John Selman**, Aviation (Pilot) Program.

We Remember

Alice Stewart

Alice Stewart, emerita professor of history, co-founder of the Canadian-American Center and UMaine alumna, died Jan. 7. She leaves behind a considerable legacy at the University and in Canadian Studies, as well as an extensive network of friends, former students, and academic colleagues in Maine, the United States and Canada.

With her academic accomplishments and renowned teaching abilities, she is considered one of the most distinguished professors at the University of Maine in the last half-century.

Stewart attended public schools in Brunswick, and then moved on to the University of Maine, her father's alma mater, where she graduated in 1937 with a degree in history. She pursued graduate studies at Radcliffe College (Harvard), receiving a master's degree in 1938 and a doctorate in 1946. Her main research interest was on the 19th century imperial policies of Sir John A. Macdonald, Canada's first prime minister.

Stewart joined the UMaine history faculty in 1947, where she served with distinction until 1980.

During her long academic career, Stewart spearheaded establishment of UMaine's interdisciplinary program in Canadian Studies, now one of the leading programs of its kind in the country. She developed the graduate program in Canadian history, joined with Professor Edgar Mackay in founding the Canadian-American Center in 1967, and built up the world-class collection of Canadiana in Fogler Library.

Although she published scholarly articles and book reviews in a number of Canadian and American journals, her main academic interest was in bibliography; the strength of the library's Canadian collection reflects that expertise and knowledge.

Stewart was an inveterate traveler to Canadian studies and Canadian history conferences, making friendships with many academics on both sides of the border. She was particularly interested in Canada's Maritime provinces, and was well known in the region.

As one of the pioneers in the study of Canada in the U.S., Stewart received notable recognition. She was awarded the Donner Medal from the Association for Canadian Studies in the United States, and honorary degrees from the University of New Brunswick and St. Mary's University, Halifax.

At the University of Maine, the History Department named its seminar room in her honor. She also received a MaryAnn Hartman Award and an Alumni Career Award.

On meeting Alice Stewart for the first time, her towering height and formal bearing presented a forbidding appearance. Yet she was a person much concerned with the well-being of others. An excellent advisor to graduate students and a mentor to young faculty, Stewart had time for all she met and kept in touch with many of her former students. The great affection that her students, colleagues, and friends had for her is revealed in the many appreciative messages received in recent days at the Canadian-American Center and Department of History.

Campuswide Calendar

The University of Maine Master Calendar is a searchable electronic listing of on-campus events for the academic year that have been submitted for inclusion. The Web-based Master Calendar is located at www.calendar.umaine.edu and on FirstClass (in the NewsStand folder). If you have events already scheduled, send your listings to the Master Calendar. If you are planning an event and want to check for other activities scheduled at particular days and times, check the Master Calendar or call 581-3745.

STUDENT ACADEMIC CONFERENCE TRAVEL FUND DEADLINE

The Student Academic Conference Travel Fund for undergraduate students will hold its second competition of the academic year. This fund serves undergraduate students who need financial assistance for travel to meetings/conferences of an academic nature. Applications must be submitted to the Office of Academic Affairs, 201 Alumni Hall, by Monday, Feb. 21. Money will be awarded for travel taking place between Feb. 22 and Sept. 25. Applications are available from Joan Day, Office of Academic Affairs, 201 Alumni Hall, 581-1547.

Museum of Art *continued from page 1*

The University will free-lease the facility for five years, in exchange for providing museum-level programming, and community enrichment and non-credit courses in the arts.

For its part, the University will provide an art museum with an annual operating budget. UMaine's permanent art collection – valued at \$6 million – will be moved to Bangor. Exhibits will be offered on campus and at the new facility.

The Museum of Art Advisory Board has launched a fund-raising campaign to raise \$200,000 to furnish and light the Museum. Depending on the success of fund-raising efforts to renovate and equip the facility, the Museum could relocate to downtown Bangor as early as next January.

"We are taking a bold step in moving away from campus," says Museum of Art Director Wally Mason. "While we will not compete with the Portland Museum of Art, we now can become a leader, particularly in the top half of the state. We have had that potential all along, but not in the facility we've occupied on campus. This is the best solution in the long-term for the Museum. The Museum will still be here, but it just happens to be off campus."

A new art building has been a top priority of the UMaine Capital Plan since 1992. Initially, the proposed building was to be the new home of both the Department of Art and the Museum of Art, which for years have functioned in Carnegie Hall in less than a third of the space they need, according to national accrediting standards.

However, a feasibility study for such a building indicated that the costs for constructing a new building including a museum would be significant, "probably beyond our resources to provide the facility we wished to have," says Eilers.

As part of its outreach and marketing strategies, the Museum and Department were developing plans to establish a community arts center in downtown Bangor. The findings of the feasibility study were viewed as "an opportunity to accelerate our commitment to the downtown," says Mason. In light of the feasibility study, the Museum turned its attention to the possibility of finding a new home in Maine's third-largest city.

This year's capital plan lists as one of its top priorities for new buildings a \$5 million art and design facility for the Art Department.

"Last summer, we began talking to Bangor about the idea of not just a community arts center with changing exhibitions and classes but a whole museum downtown," Mason says. "With the University stepping up with a much larger project, the commitment took on another level for the city."

The Museum's new home will include gallery space, studios and classrooms, preservation and preparation facilities, a gift shop and office space. The Museum will occupy three floors of the Freese's building, almost 12,400 square feet. Of that, nearly 6,000 square feet will be dedicated to exhibition space in five galleries, compared to the 2,400 square feet now in Carnegie's two galleries.

The most frequent request from Museum patrons is for greater access to the University's permanent collection, says Mason. Carnegie limited the amount and frequency pieces from the collection could be viewed; a large number of pieces have never been exhibited on campus. In the new museum, at least two galleries are expected to be designated for exhibitions of collection pieces.

The relocation will raise the Museum's visibility and public awareness of the largest fine arts collection owned entirely by the citizens of Maine.

"So many problems will be solved with this new space," says Mason. "It will make the program more attractive to donors, who

can now be assured the works they give will be seen and stored to museum-level standards. We will be able to offer changing exhibitions in a variety of different mediums in the other galleries, including community-based shows.

"One of the biggest reasons to go downtown is that our fund-raising goals will be easier to attain," says Mason. Operating an urban-based museum makes UMaine eligible for federal and private grants. In addition, a more community-based facility will locally and geographically expand the Friends of the Museum group.

The Museum plans to offer arts programming for all ages, tailored to the interests of the community. Classes and workshops for adults and children, juried and invitational exhibitions, exhibits of other visual arts such as animation, lecture series, gallery events and celebrations throughout the year are already proposed for the new museum.

"Five years from now, I expect the Museum will be like Grand Central Station," Mason says. "We will be offering museum programs, allowing us to bring in significant collection. We will be seeing a level of community involvement that we could not have imagined on campus."

The joint venture between Bangor and UMaine is "a win-win situation," says Eilers. "At this time, the University would have difficulty building the kind of museum that would bring in traveling exhibitions, host a large number of people and get the visibility one would like to have for a major undertaking of this sort.

"The city of Bangor needs partners to revitalize the downtown, and arts are an important part of any revitalization. Bangor has the facility in need of content, we have content in need of a facility. Because of this venture, there are opportunities to make incredible resources available to both, for the people of Bangor and our students." ▲

PRESIDENTIAL OUTSTANDING TEACHING AWARD

In recognition of the importance of outstanding teaching to the University of Maine, nominations are now being accepted for the 2000 Presidential Outstanding Teaching Award.

The Presidential Outstanding Teaching Award is presented annually to a tenured University of Maine faculty member who has demonstrated outstanding commitment to and ability in the teaching area, while maintaining a commitment to scholarship and public service. The recipient will receive a medallion and \$1,500.

Deadline for receipt of nominations is March 1. Late nominations will not be accepted.

Nomination forms can be obtained from Carole Gardner, Office of Academic Affairs, 201 Alumni Hall, e-mail: caroleg@maine.edu or FirstClass: Carole Gardner or phone: x1617.

19TH PROFESSIONAL EMPLOYEE ACHIEVEMENT AWARDS

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

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

Submit nominations to PEAC President Joyce Henckler, Heritage House, 101 College Ave.

Deadline for receipt of nominations is March 1.

Council on Women *continued from page 2*

The goal of this newest Council initiative is to make it clear to women in the University community that their environment is taken seriously, says Brenda Willette, the new chair of the Council's committee. "That is our job on this committee of the Council, an advisory extension of the President's Office. We are not here to correct matters but to be aware of the environment for women, to observe and to advise," she says. "Hopefully by looking at the environment for women on campus, we can improve the comfort level for all."

Impetus for the project came last spring when the Council was asked to recommend how to handle offensive graffiti on a bathroom wall and on student desks. To learn more about issues that affect the environment for women on campus, Council members walked through six buildings, including Fogler Library and the Union. Their goal was to begin to identify aspects of the physical environment on campus that diminish what should be a welcoming climate for all on campus, especially women.

"We expected to find more problems in the environment related to gender, especially in the public areas, but we were pretty impressed overall," says Barker. "Most often, aspects of the physical environment that were unwelcoming were unintended, where the impact on gender was not considered."

For example, a newly installed front counter in an academic office was an ideal height for tall people standing to use it. But for members of the support staff working at their desks and the students sitting in chairs waiting for assistance on the other side, the counter was more like a barrier. When the committee pointed out the problem, the building manager agreed and lowered the height of the counter to create a more welcoming environment for all.

In another campus building, the decor of a conference room once included the portraits of former deans of the college – all men. "We can't undo history or reinvent deans as women but we can look for compensatory ways to achieve a better balance. Put up photos of women who are visiting scholars to the college," Barker says. "Some time ago, occupants of that building did just that, and we found wonderful examples of how to make an environment more welcoming with portraits of women on the walls and a diversity mural on an upper floor."

Elsewhere, graffiti carved into desktops and written on bathroom walls revealed homophobic and sexist messages. In one building, occupants told members of the committee that any woman-friendly flyers pertaining to women-oriented programs and issues have been removed from the bulletin boards.

As a result of the many positive examples of changes and improvements on campus to make it more inclusive, and the few but worrisome incidents of intolerance, the Council worked throughout the fall semester to develop a form for assessing the physical environment of the University community.

Members of the committee, and anyone interested in furthering the dialogue about the campus environment for women, will make half-hour visits to buildings across campus this semester.

Subsequently, building managers will receive "environmental" feedback from the committee, including kudos for those aspects that are particularly effective in conveying a sense of welcome and inclusiveness of all. The committee also will share its findings with Facilities Management, which is dedicated to ongoing quality control efforts in campus buildings, including removing graffiti as soon as possible.

"We are not environmental police looking for what's wrong with campus but hope to identify and highlight attempts to make this a welcoming community," says Barker. "We also need

to educate the community about maintaining a welcoming environment.

"It is an opportunity for observation, outreach and interaction around the physical environment. What excites me about this project is its potential to create the sense of community and personal connections with people to make the University an even better place," Barker says. ▲

Memorial Union *continued from page 2*

December 2000. Phase IV, renovation of the north end of the Union, is scheduled for December 2000-June 2001.

In 2001, the area now occupied by the Bookstore will be renovated from January-August as Phase V of the project. The project's final phase will involve renovation of the Union lobby from April-August.

The Union expansion and renovation project was slated to begin last year, but was delayed because the original bids came in higher than anticipated. The project was modified and bid requests were re-issued. Bids based on the new plan were opened last December.

Under the original plan, the upper floors were to be renovated to make new office space for student organizations. Under the new plan, student organizations, including Student Government, *Maine Campus* and WMEB radio, will relocate to spaces in and near the area now occupied by the Bookstore. The Bookstore will relocate to a 16,000-square-foot area on the first floor of the Union addition. The fourth floor of the Union will be used for storage and as a place for mechanical operations.

Funding for the Union project comes from the Bookstore, Student Auxiliary Services (Housing and Dining Services), private donations and a student-approved fee of \$3.50 per credit hour, which will begin once the building is substantially completed. Private donations to the project total \$2.25 million.

An updated model of the expanded and renovated building is available in the Union lobby. While the floor plan of the facility has undergone some reorganization since that model was first developed, the footprint and the exterior of the building remain largely the same. ▲



UMaine

Show Your Colors

NEW DINING SERVICE HOURS FOR SPRING 2000

By customer request, Dining Services has extended hours for spring.
All dining commons, Monday-Friday

Breakfast 7-9 a.m.

Continental Breakfast 9-10:30 a.m.

Lunch 11 a.m.-2 p.m.

Dinner 4:30-7 p.m.

Stewart and York Commons, Saturday-Sunday

Brunch 11 a.m.-2 p.m.

Dinner 4:30-7 p.m.

Bear's Den, 7 a.m.-10 p.m., Sunday-Friday; 7 a.m.-midnight, Saturday;

Damn Yankee, 8:30 a.m.-6:30 p.m., Monday-Friday; Union Coffee

Shop, 7-2 a.m., Monday-Friday; noon-2 a.m., Saturday-Sunday;

M.C. Fernald's, 7 a.m.-2 p.m., Monday-Friday; Hilltop & SouthSide

Markets, 10:30 a.m.-11 p.m., Monday-Saturday

Fund for the Improvement of Postsecondary Education supports projects of collaboration between the U.S. and the European Community with a focus on problem areas or improvement approaches in postsecondary education. Proposals to establish consortia for the coordination of curricula, exchange of students, and opening of educational opportunities, are encouraged. Deadline: March 17.

National Endowment for the Arts has issued guidelines for its FY01 grants to organizations in five programs: Creativity, Organizational Capacity, Access, Education, and Heritage/Preservation. Deadline for the first two is March 27; for the remainder, Aug. 14.

National Center on Adult Learning makes grants of up to \$5,000 for practitioner-based research. Proposals are invited to identify curricular strategies, faculty behavior, application of new technologies, and/or institutional practices most likely to support high rates of success among non-traditional college students. Deadline: April 3.

Robert Wood Johnson Foundation's Investigator Awards in Health Policy Research support projects to interpret, develop, or advance ideas or knowledge that can improve health or healthcare policy in the U.S. Applications are encouraged

from investigators in diverse fields with innovative perspectives and unconventional approaches to address broad policy issues or problems. Letters of intent due April 7.

U.S. Environmental Protection Agency seeks research to develop and apply models that integrate human activities with natural processes associated with climate change and variability. Priority research will focus on ecosystems or on human health. Projects must involve collaboration between social and natural scientists, the coupling of existing models, and application of the integrated models to case studies. Deadline: April 26.

AARP Andrus Foundation funds psychosocial, behavioral, health, and policy research on aging, as well as projects to develop and test applications of research findings. Current priorities focus on two issues: living with chronic health conditions, and aging and living environments. Maximum award: \$100,000. Letters of inquiry serve as preproposals and may be submitted at any time.

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

SNOW LINE AVAILABLE

Information about the University's class schedule during inclement weather is available by calling 581-SNOW or toll-free, 1-800-581-SNOW.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETINGS

The Institutional Animal Care and Use Committee (IACUC) would like to remind investigators/instructors that no research, teaching, or testing activities using live vertebrate animals shall be initiated until the IACUC has approved a protocol for such use.

Listed below are the meeting dates for the spring semester. Completed Protocol Review Forms should be submitted two weeks before the meeting date in order to be reviewed at that meeting. Protocol review forms and copies of the University's Policies and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498. The information is also available at the ORSP Website, www.ume.maine.edu/~spd/index.html.

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

IACUC Meeting Dates (submit protocols at least two weeks before meeting date): Feb. 22, March 28, April 18, May 16.

PHI KAPPA PHI GRADUATE FELLOWSHIP COMPETITION

The Honor Society of Phi Kappa Phi has announced its annual fellowship competition in support of the first year of study in graduate or professional school. All national nominees (one applicant per chapter is chosen to represent the chapter in the national competition) receive a lifetime membership in Phi Kappa Phi.

The first fellowships of \$500 each were granted in 1932. Since that time, the Fellowship Program has grown to its current status, awarding up to \$380,000 annually in the form of 50 Fellowships of up to \$7,000 each and 30 Awards of Excellence of \$1,000 each for post-graduate study at accredited institutions of higher learning. The 80 scholarships are awarded on a competitive basis to students pursuing first-year graduate or professional study on a full-time basis, normally within one year following the receipt of the baccalaureate degree.

Interested students should contact Scott Delcourt, the scholarship and awards coordinator for the UMaine chapter of Phi Kappa Phi, 2 Winslow Hall, to receive the application materials. Application deadline is Feb. 18.

Founded in 1897 at the University of Maine, The Honor Society of Phi Kappa Phi is the oldest and largest interdisciplinary honor society. Reflecting the organization's mission of recognizing and promoting academic excellence in all fields of higher education is its Graduate Fellowship Program.

What's Ahead



**1ST ANNUAL UMAINE
SENIOR FORMAL
February 12**

**THE UNIVERSITY OF MAINE
OPEN HOUSE
February 21**

**TENTH ANNUAL GAMES DAY
AT THE HUDSON MUSEUM
February 22**

**AMIRI BARAKA ON ISSUES OF
RACE AND CLASS
IN THE UNITED STATES
March 1**

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

