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Maine Perspective

A PUBLICATION
FOR THE
UNIVERSITY OF
MAINE

VOL. 9, NO. 9
JANUARY 12, 1998



Students look on as University of Maine Continuing Education Instructor Michael Vermette leads an evening, non-credit watercolor techniques class, held in the Roger Clapp Greenhouse. Registration has begun for spring CED classes offered through the Division of Lifelong Learning. This spring, CED has 250 credit and 45 non-credit courses, including an increased number of classes offered at a distance, accessible to students throughout the state. Photo by Michael York

New UMS Funding Formula Could Impact UMaine

In coming weeks, the University of Maine System Board of Trustees is expected to consider recommendations to change the funding methodology of System campuses, including a proposal for a new resource distribution model. The model will be based on data from a recently completed consultant's report. The Board could vote on a new funding formula as early as March.

A change in the funding formula in how state monies are allocated by the System would be the first for the campuses in three decades. Since 1968, each institution has received a fixed percentage in an incremental funding method similar to that used in 40 other states.

MARTIN LUTHER KING JR. DAY A UNIVERSITY HOLIDAY

Martin Luther King Jr. Day, Monday, Jan. 19, will be observed at the University as it has in past years with a variety of events and activities designed to celebrate and acknowledge the achievements of the civil rights leader.

This year more than ever, programming also is aimed at community-building. And there is even greater institutional commitment with the establishment this semester of Martin Luther King Jr. Day as an official University holiday, with no classes in session. *continued on page 14*

Under the new funding model, the University of Maine would no longer be assured the almost 50 percent (48.6 percent in FY97) of the UMS allocation. The long-standing percentage of just less than half of all state funding has been in recognition of UMaine's flagship role in the state, with its distinction of being Maine's land-grant university and sea-grant college, and a doctoral institution with unique research and service missions statewide.

The basis for the new funding model was set forth in a Dec. 9 report by consultant Brenda Albright and distributed to the Chancellor Terrence MacTaggart and University of Maine System Presidents. While the Albright Report sets out a new financial framework, it stops short of stipulating a funding formula, except to note that funding for the University of Maine at Augusta

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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.



Steve Sader

Photo by Bangor Daily News

NASA Teams with UMaine to Map and Monitor Forests by Satellite

UMaine's Department of Forest Management will develop the next generation of satellite-based forestry mapping and monitoring systems with a \$750,000 grant from NASA.

"During a visit to Maine last year, NASA Administrator Dan Goldin offered to assist the state in monitoring forest lands through the use of NASA technologies," says U.S. Representative and UMaine alumnus John Baldacci, who announced the grant. "Following that visit, I was delighted to take him up on that offer and to help make this project a reality."

The three-year research project will be led by Steve Sader, professor of forest resources and forest engineering. Also participating is James Sewall Co., of Old Town, which will facilitate the commercial application of the research.

From the Center for Remote Sensing in Nutting Hall, Sader and his students will use new satellites to produce digital images of Maine's forests. The project seeks to create new techniques to allow the forest industry to better understand and manage disease, insect infestation and other environmental hazards, as well as better control regrowth and more efficiently differentiate between tree types.

The grant follows last November's announcement that NASA approved a more than \$247,000 grant for the Center to improve teaching and research in marine sciences, forestry and information technology.

UMaine is one of 60 NASA-designated Centers of Excellence nationwide. ▲

University's Accreditation Self-Study Under Way

Work has begun on the University of Maine's self-study in preparation for its 1999 accreditation review by the Commission on Institutions of Higher Education of the New England Association of Schools and Colleges (NEASC).

UMaine's self-study will be a year-long process of assessing how well the institution meets the 11 broadly defined Accreditation Standards adopted by NEASC, one of six regional accrediting bodies in the country. NEASC is the accrediting body for over 200 colleges and universities in New England, each of which undergoes a self-study and review every 10 years. To maintain accreditation, institutions must demonstrate that they are meeting the standards in ways appropriate to their individual missions and goals.

The overall purpose of accreditation is to assure that participating schools adhere to high standards of quality in all their programs. The decennial accreditation review is an evaluative process designed to encourage institutions constantly to work toward improving their quality, increasing their effectiveness and striving for excellence.

Each of the 11 Standards encompasses a principal area of institutional activity – mission and purposes; planning and evaluation; organization and governance; programs and instruction; faculty; student services; library and information resources; physical resources; financial resources; public disclosure; and integrity. According to the Commission, institutions meeting the criteria have clearly defined missions and goals, and have assembled the resources to carry out those missions and goals, both now and for the future. But no matter how good an institution may be, there is always room for improvement.

"This is an opportunity to figure out what we're doing well and where we need to improve, and one way to approach that is to compare ourselves against each of the Standards," says Vice Provost for Undergraduate Education Doug Gelinas, who co-chairs UMaine's Accreditation Self-Study Steering Committee with former Faculty Senate President Kathleen March. "In considering each of the Standards, we have to ask ourselves three

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Memorial Union Plans Move to the Drawing Board

Plans to renovate and expand the Memorial Union are moving to the drawing boards with the completion late last fall of a detailed Conceptual Plan and the hiring of architects.

Last month, two architectural firms were chosen. Designing the Union addition and overseeing the renovations will be Harriman Associates, the Lewiston firm that undertook the extensive renovations of Dunn and Corbett Halls, and Orcutt Associates of Yarmouth.

Representatives from the architectural firms will be meeting with tenants and users of the Union in the coming months to garner additional information. Conceptual drawings of the

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Maine Perspective Publication Schedule

Maine Perspective's spring publication schedule is: Jan. 26 (deadline Jan. 16); Feb. 9 (deadline Jan. 30); Feb. 23 (deadline Feb. 13); March 16 (deadline March 6); March 30 (deadline March 20); April 13 (deadline April 3); April 27 (deadline April 17).

Maine Perspective

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UNIVERSITY OF
MAINE

UMaine Calendar

JANUARY 15-31

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

15 Thursday

Classes Begin, Jan. 15.

"Everything You Ever Wanted to Know About Bluebird Houses but Were Afraid to Ask," by Jerry Longcore, leader, Patuxent Wildlife Centre and member of Bluebird Association of Maine, part of the Page Farm and Home Museum Brown Bag Lunch Series, noon, Jan. 15, Page Museum. x4100.

Interfaith Observance of the Life of Martin Luther King Jr., 12:15 p.m., Jan. 15, Hauck Auditorium. x1734.

16 Friday

Graduate TA Teaching Workshop, featuring sessions on Issues Facing Graduate TAs; Designing Motivating Classrooms: Gender Issues in the Classroom; Technology in the Classroom; Trouble Shooting Difficult Situations, noon-4:30 p.m., Jan. 16, Barrows Hall. Followed 4:30-6 p.m. with Wine and Cheese Party, Graduate Center, Estabrooke Hall. x3278.

Performance by the Lidral Trio, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Jan. 16, Damn Yankee. x1734.

Men's Ice Hockey: UMaine vs. New Hampshire, 7 p.m., Jan. 16. Admission fee. xBEAR.

17 Saturday

Frost Fish Moon: Native American Calendars, a Hudson Museum "Just for Kids" program, 10 a.m., Jan. 17, Maine Center for the Arts. Registration fee. x1901.

Women's Ice Hockey: UMaine vs. Wesleyan College, 1 p.m., Jan. 17.

Men's Ice Hockey: UMaine vs. New Hampshire, 7 p.m., Jan. 17. Admission fee. xBEAR.

18 Sunday

Men's Basketball: UMaine vs. New Hampshire, 1 p.m., Jan. 18. Admission fee. xBEAR.

19 Monday

Martin Luther King Jr. Day, no classes, Jan. 19.

Dr. Martin Luther King Breakfast, offered by the Greater Bangor Area NAACP chapter and the UMaine Human Rights Coalition, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 7:30-9 a.m., Jan. 19, Wells Conference Center. Tickets. 866-2626.

A Class Divided, a film followed by discussion, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 9-11 a.m., Jan. 19, Bangor Lounge, Union. x1405.

"Dialogues in Diversity: Multicultural Voices Sharing Their Reality," featuring members of Dialogues in Diversity, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 11 a.m.-12:30 p.m., Jan. 19, Bangor Lounge, Union. x1405.

Martin, The Emancipator, a documentary followed by discussion, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 12:30-2 p.m., Jan. 19, Bangor Lounge, Union.

"Keeping the Dream Alive," a presentation by the NAACP and the UMaine Human Rights Coalition, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 2-3 p.m., Jan. 19, Bangor Lounge, Union. x1405.

"Enhancing Multicultural Relations on Campus," presentation of a 1992 satellite broadcast featuring an expert panel on race relations on U.S. college and university campuses, followed by a forum on enhancing multicultural relations at UMaine, facilitated by members of the Black Student Union, Los Colores Unidos, Student Heritage Alliance Center and Wilde-Stein Alliance for Sexual Diversity, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 3-5 p.m., Jan. 19, Bangor Lounge, Union. x1405.

Candlelight Vigil, part of the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," 5 p.m., Jan. 19, Union steps. x1405.

20 Tuesday

Maine Software Developers Association Luncheon, featuring a speech by Commissioner Thomas McBrierty, Maine Department of Economic and Community Development, noon-2 p.m., Jan. 20, Wells Conference Center. Preregistration/fee. x3940.

"Civil Rights Not Special Rights: Maine Women SPEAKOUT on the Feb. 10 Referendum," by members of Maine SPEAKOUT, part of the Women in the Curriculum Luncheon Series, 12:15 p.m., Jan. 20, Bangor Lounge, Union. x1228.

Oral Exams

"Dimethyl Sulfide and Marine Phytoplankton: Physiology and Regional Impact in the Gulf of Maine," by Maureen Keller, candidate for Ph.D. in oceanography, 2 p.m., Jan. 16, Libby Hall.

"A Study of Non-enzymatic Low Molecular Weight Agent G⁺-chelator Isolated from Gloeophyllum trabeum: Mechanisms of Wood Degradation by Brown-rot Fungi," by Yong Shao, candidate for master's degree in forestry, 2 p.m., Jan. 16, 204 Nutting Hall.

Look Who's On Campus

Alumnus Patrick Chassé, a landscape architect, designer and teacher from Mt. Desert Island, will deliver a Department of Art Guest Lecture Thursday, Jan. 22, 7 p.m., 202 Carnegie Hall, on "Coming Back: Landscape, Environment and Regional Character." Chassé holds bachelor's and master's degrees from UMaine, and a master's in landscape architecture from Harvard University. Since 1980, he has been the principal in Landscape Design Associates, specializing in the restoration and preservation of historic landscapes, reconstruction of natural plant communities, and design of new gardens from Maine to the Bahamas. He has worked on many important gardens on Mt. Desert, and in New York, Philadelphia and England. In addition, he is a director of the Maine Olmsted Alliance for Parks and Landscapes, and an adviser to The Garden Conservancy. Chassé, who currently teaches at Harvard, is one of 10 international landscape designers profiled in Page Dickey's book, *Breaking Ground*.

21 Wednesday

"Elements of Music," part of the Introductory Music Workshop series for children K-6, offered by the UMaine Student Chapter of Music Educators National Convention, 6 p.m., Jan. 21, 100 Class of 1944 Hall. Registration/fee. x1248.

22 Thursday

"Hunger in the United States: What the Media Ignores," by Marie Tessier, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Jan. 22, Bangor Lounge, Union. x3861.

"Coming Back: Landscape, Environment and Regional Character. What Makes It Special and How to Preserve It," by Patrick Chassé, Mt. Desert landscape architect, designer and teacher, part of the Department of Art Guest Lecture Series, 7 p.m., Jan. 22, 202 Carnegie Hall. x3245.

Men's Basketball: UMaine vs. Drexel, 7:30 p.m., Jan. 22. Admission fee. xBEAR.

Thursday Night at the Bear's Den with the Band Bobby Lee Rodgers, offered by the Union Board, 9 p.m., Jan. 22, Union. x1734.

23 Friday

Performance by Teal Blue and the Horn Man, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Jan. 23, Damn Yankee. x1734.

Prodigal Son, Scotch Symphony and Rodeo, performed by Ballet Du Capitole de Toulouse, part of the Maine Center for the Arts performance season, 8 p.m., Jan. 23, Hutchins Concert Hall. Admission fee. x1755.

24 Saturday

Rock the Alford III, featuring eight Maine high school bands performing with the Black Bear Pep Band, 11:45 a.m. pregame performance and halftime performance during the UMaine vs. Hofstra game, Jan. 24, Alford Sport Arena. x3858.

Men's Basketball: UMaine vs. Hofstra, 1 p.m., Jan. 24. Admission fee. xBEAR.

25 Sunday

Women's Ice Hockey: UMaine vs. USM, 12:30 p.m., Jan. 25. xBEAR.

26 Monday

Deadline for Dropping Courses for Refunds, Jan. 26.

"Fighting Legalized Discrimination Based on Sexual Orientation," by Sue Estler and Beverly Uhlenhake, part of "Confronting Intolerance: How Do We Move from Oppression to Compassionate Justice?" offered by the Office of Multicultural Student Affairs and Peace Studies, 12:15 p.m., Jan. 26, Bangor Lounge, Union. x1405.

27 Tuesday

"Biomedicine and the Discourse on Abortion," by Nathan Stormer, part of the Women in the Curriculum Luncheon series, 12:15 p.m., Jan. 27, Bangor Lounge, Union. x1228.

Swimming: UMaine vs. Colby College (exhibition), 6 p.m., Jan. 27. xBEAR.

Coffee House with Louise Taylor, offered by the Union Board, 8 p.m., Jan. 27, Peabody Lounge, Union. x1734.

28 Wednesday

Faculty Senate Meeting, 3 p.m., Jan. 28, Dexter Lounge. x1167.

29 Thursday

Career Fair, featuring more than 35 companies and organizations, coordinated by the Career Center, 10 a.m.-1 p.m., Jan. 29, Union.

"Discrimination/The Gay Rights Referendum," by Janet May, Maine SpeakOut Project, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Jan. 29, Bangor Lounge, Union.

Women's Basketball: UMaine vs. Western Kentucky, 7:30 p.m., Jan. 29. Admission fee. xBEAR.

31 Saturday

Swimming: UMaine vs. Boston College, 11 a.m., Jan. 31. xBEAR.

Women's Basketball: UMaine vs. New Hampshire, 1 p.m., Jan. 31. Admission fee. xBEAR.

Men's and Women's Track: UMaine vs. CCSU and Hartford, 11 a.m., Jan. 31. xBEAR.

Movie: Chasing Amy, offered by the Union Board, 6:30 p.m. and 9 p.m., Jan. 31, 100 Corbett Business Building. Admission fee. x1734.

Women's Ice Hockey: UMaine vs. RPI, 7:30 p.m., Jan. 31. Admission fee. xBEAR.

Ongoing Events

Exhibits/Demonstrations/Tours

Department of Art Faculty Exhibition, a Museum of Art exhibit, through Jan. 21, Carnegie Hall galleries. x3255.

India: Photography by Barbara Goodbody, a Hudson Museum exhibit, Jan. 27-Aug. 8, Maine Center for the Arts. x1901.

Student Art League Show, through Feb. 21, Hauck Auditorium lobby. x3245.

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

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

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

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

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

Meetings of Groups/Organizations

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

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

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

Maine Peace Action Committee Meeting, every Wednesday, 4 p.m., Weisz Room, Maples. x3860.

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

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

Nontraditional Student/Commuter Social Hour, every Thursday, 11:30 a.m., Commuter Lounge, Union. x1734.

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

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

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

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The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Dwarf Mistletoe May be Kiss of Death

Mistletoe is playing Scrooge to Maine's coastal spruce forests, and its spread from Casco Bay to Penobscot Bay is already sparking a debate about tree cutting and preservation of post-card island views.

The problem is a parasitic plant known as dwarf mistletoe, a cousin of the leafy holiday mistletoe. According to William Livingston, a tree pathologist in the Department of Forest Ecosystem Science, the slow-growing plant saps the strength of infected trees and in severe cases, kills the tree.

The most recognizable symptom, he says, is known as witches' broom, a dense collection of twigs bunched along a larger branch. Infected trees may look sickly with fewer needles, multiple witches' brooms and dead upper-story branches.

"It's like a race between the tortoise and the hare. If a tree grows fast enough, it can shade out infected branches in the lower part of the tree and survive. However, if the mistletoe gets into the top branches and keeps up with the tree, the tree is doomed," he says.

Livingston studied dwarf mistletoe during his graduate student work at the University of Minnesota and, in 1991, published a survey of the plant's extent in eastern Maine in the *Northern Journal of Applied Forestry*. Dwarf mistletoe occurs in forests across the northern United States, but nowhere is it more severe than in stands on Maine's islands. It's not a significant threat to inland forests.

On islands, the problem is reaching an acute stage as many of those trees approach the end of their lifespan, says Livingston. Already weakened by drought or poor soils, trees are increasingly likely to die from mistletoe infections. The disease multiplies fire danger by leaving swaths of dead, dry timber in its wake.

"Mistletoe can thrive only on living trees. If landowners want to manage their forests for scenery and reduce the fire danger, they need to remove all infected trees. Since the early life stage is barely visible, it would also be wise to remove all trees within sixty feet of a large, severely infected tree. That's the distance a mistletoe plant can shoot a seed," says Livingston. "Essentially, we're talking about a small patch clearcut."

"Another untested option could be to maximize height growth of spruce trees by thinning dense stands in which dwarf mistletoe brooms are restricted to the lower branches. If a spruce can maximize its height growth, the tree could outgrow the parasite. Research is needed to test if this option is viable."

"Long-term solutions to maintaining the health of these mature forests will require long-term commitments by the forest owners, foresters, loggers, pest specialists, and researchers," suggests Livingston.

SPORTS LITERATURE THE FOCUS OF ORONO PROGRAM

The Orono Public Library's Winter Adult Literature Program: Sports in Literature, will be led by Judith Hakola, UMaine lecturer in English. Hakola, twice president of the Sports Literature Association, will give a lecture and conduct three reading/discussion groups exploring sports in literature. The lecture Thursday, Jan. 15, 7 p.m., at the Library will provide an overview of sports literature. Book discussion groups meet at 7 p.m., Feb. 5, Feb. 26 and March 19. Hakola will lead discussions on the roles of sports, and the presence of sports in the canon of American folklore and mythology. For more information on the program, contact the Orono Public Library. 866-5060.

Historical Mercury

Rates of atmospheric mercury deposition in Maine appear to have reached a peak in the early to mid-1970s and to have declined significantly by 1982, according to a report by UMaine geologists published in the December issue of the journal *Water, Air and Soil Pollution*.

Stephen Norton, Gordon Evans and Steve Kahl of the Department of Geological Sciences used archived cores from Sargent Mountain Pond and Big Heath in Acadia National Park on Mt. Desert Island to determine historical trends in mercury deposition from the atmosphere to the Maine landscape. The cores were collected in 1982 and 1983.

Studies of other lake cores collected over a wide region in Maine between 1995 and 1997 indicate a similar history of atmospheric deposition. This picture strengthens the argument that the trends seen at Acadia National Park are representative for the region. Those studies are being performed by graduate students Gordon Evans, Richard Bindler and Ashley Smith.

In recent years, biologists have found some of the highest mercury concentrations in the world in freshwater fish and bald eagles along the Maine coast. While the general pathway from soils and water to animals is understood, the details are still fuzzy. Ongoing research by these authors working in cooperation with Terry Haines, UMaine professor of zoology, and his students is adding information about how changes in atmospheric deposition rates, water chemistry and water levels affects mercury accumulation in fish and birds.

The report concludes that by 1970, human activities appear to have been responsible for a seven-fold increase in mercury deposition over natural levels. This increase is clearly from the atmosphere because the area of Big Heath that was cored receives all of its nutrients and pollutants from the atmosphere.

A 40-fold increase was also found for lead over natural background values. These conclusions are based on the assumption that both elements remained immobile after they were deposited in the accumulating peat.

The annual fluxes of mercury and lead were determined by chemical analysis of different slices of the peat and lake sediment. The age of each slice was determined by analysis of a naturally occurring form of lead, which is also deposited from the atmosphere.

Center Stage

School of Performing Arts

Student Chapter of Music Educators Offers Children's Workshops

A series of Introductory Music Workshops, designed for children in grades K-6, will be offered by the University's Student Chapter of Music Educators National Convention (MENC).

The eight workshops, beginning Jan. 21, held in the Class of 44 Hall, will provide "hands-on" introduction to the elements of music and the various families of instruments.

The series includes such topics as "Moving to Music," a session on age-appropriate activities in responding to music; "Listening to Music," how to be a good audience member; and "The Singing Voice," a look at how the human voice works and exercises in group singing.

Each session costs \$5, and is limited to 30 students. To register or for information, contact Louis Hall, MENC's advisor, 581-1248.

People in Perspective

The dedication of a University of Maine student to the music and artform of the pipe organ has made the refurbishing of a turn-of-the-century instrument a reality.

Katy Johnston, an organ student at UMaine for several years, donated \$3,000 in 1997 to help finance the refurbishing of the School of Performing Arts instrument.

Last winter, Vermont-based master organ builder A. David Moore took apart, cleaned and reassembled the seven-stop, nine-rank organ when it was moved from Lord Hall to Minsky Recital Hall. Moore, whose restorations include the organ case of Boston's Old North Church, worked on the UMaine organ on campus and at his Vermont shop. Among those assisting him was Johnston, an active member of the Bangor chapter of the American Guild of Organists.

"For Katy Johnston, organ playing is an avocation from which she derives a lot of meaning in her life," says Instructor in Organ and Harpsichord Kevin Birch of his former student. "She approaches the music-making process with enormous energy and interest. As a student and someone who helped take the organ apart and put it back together, she was involved in many, many hours of behind-the-scenes work to make this happen. There are also her financial contributions.

"She wanted to see this resource made available to other students, all while knowing she would be leaving to live in another part of the country. Her gesture was doubly generous."

Johnston and her husband, Russell, associate professor of mechanical engineering technology for 14 years prior to his retirement December 1996, now live in Arizona.

The organ was built in 1908 by the Boston firm Hook & Hastings and was used in a church in Massachusetts. It came to the University from Organ Clearinghouse, a group devoted to rescuing and finding new homes for discarded antique organs. When it came to campus in 1967, organ builder Fritz Noack and then-UMaine student John Boody restored it. Boody has since established himself as one of the world's leading organ builders through his Virginia-based firm, Taylor & Boody.

The instrument is called a "mechanical action" pipe organ, which means its design and workings are closer to 19th century organs than many pipe organs used today. The instrument is very responsive and has a beautiful tone – factors that make it ideal to use in teaching, says Birch. "Students learn as much from the instrument as they do from the teacher," he says.



Admiring the School of Performing Art's newly refurbished pipe organ are, left to right, School Director Diane Roscetti, and organists Alice Mummé, Katy Johnston and Kevin Birch.

"The organ is particularly well voiced and speaks easily. Especially the older flutes in the organ, which date from the turn of the century, have a charming mellow sound."

Through the years, the pipe organ has been used as a teaching instrument for organ students, and for solo concerts and accompaniment for such choral groups as Athena Choral and Oratorio Society.

According to Birch, the organ gives a "sound reference" to many important parts of musical history. "A UMaine student can hear a Bach fugue and understand it in its context," he says. "It opens a sound world to these students, deepens their understanding of keyboard music from 17th and 18th centuries, and generally enriches their educational experience."

The organ now has a new lease on life in Minsky Recital Hall – a facility with excellent acoustics, says Birch, director of music for St. John's Catholic Church in Bangor since 1992. "Organs like this survived, in part, because of Yankee frugality," he says. "In this part of New England, many churches retained important historic organs – or had the vision to acquire them. We are indeed fortunate to have so many beautiful instruments available to us here in Maine." ▲

Maine Folklife Center

The Maine Folklife Center seeks old photographs to include in *Women's Work*, a UMaine exhibit for Women's History Month in March.

Organizers hope the exhibit will challenge stereotypes by showing the variety of work done by women. They also hope to inspire girls and young women.

"Many people have wonderful old pictures in their family albums of their great-aunts and great-great grandmothers doing the work which kept their families and communities together," says Pauleena MacDougall, associate director of the Maine Folklife Center. "Realizing that there is much that we still don't know about women's work in our region, the Maine Folklife Center wants to tell the story of all kinds of work that women do, and have done, in and outside of the home, unpaid or for wages."

The Maine Folklife Center houses more than 8,000 photographs of people from Maine and the Maritimes, from the late 1800s to today. Only about 500 show women at work, often in traditional occupations such as cooking and doing laundry. However, some of the photographs depict women in non-traditional occupations, such as lobstering, repairing cars and sawing wood. The Center hopes to collect more of these types of pictures – of women in non-traditional roles – for the March exhibit.

Many of the photographs accompany oral histories collected during the last 125 years by UMaine students, faculty and independent researchers.

People who have old photographs to contribute to the exhibit should contact the Maine Folklife Center, 581-1848. Photos will be carefully copied and returned. ▲

Labor Education Profiles Maine's Working Women

Women in Maine are more likely than their female counterparts in other parts of the country to be in the workforce, and most hold low-paying jobs with few chances for advancement, according to the UMaine Bureau of Labor Education.

The Bureau conducted a year-long study to gauge the status of the state's working women. Researchers looked at wages, benefits and the types of jobs women hold, drawing information from a variety of state, federal and academic sources.

The findings, published in the Bureau's newest fact sheet, "Working Women in Maine: A Demographic Profile," are considered a resource for policy makers, journalists and others with an interest in issues that could affect Maine's working women and their families.

"Women tend to be in jobs that pay less, even though the value of those jobs remains high," says John Hanson, director of the Bureau. "Understanding the reality and circumstances working women must deal with is critical if we are to fashion policies and programs that will be efficient and effective – and ensure our commitment to strengthening families."

The Bureau's demographic profile of women in the workforce found that many women continue to work a "double shift" – juggling the dual demands of work and home. The study also found that more women are working out of economic necessity.

MARINER A GATEWAY TO DIGITAL COLLECTIONS AND RESOURCES AT FOGLER LIBRARY

URL: <http://libraries.maine.edu/mariner/>

Just as with print collections, digital libraries need librarians to collect, organize and provide informed access to their collections. Building digital collections and services while providing information and support for print collections is what librarians do in the newly defined technological environment where we find ourselves, and Fogler Librarians are no exception.

Mariner derives its name from the Maine Academic and Research Initiative for Electronic Resources, a systemwide digital library project initiated by University Library Directors. The Web Gateway is the latest development in the UMS Libraries' networked evolution, which began a decade ago with the creation of a shared online public access catalog (URSUS) and the automation of library services (online requesting from remote locations) (1988).

Fogler librarians have led the initiative to develop the Mariner Web site, bringing to the development expertise in adapting Web technology to information service. Drawing on a background of Web development, most notably the Raymond H. Fogler Library Web site and the University of Maine Campus Information System Web site, Fogler librarians were instrumental in the design and format of Mariner. UMaine librarians are also responsible for the content core of Mariner, subject indexes to the Internet, including government information, which serve as the basis for ongoing collaboration with other participating libraries.

The implementation of Mariner marks the first phase of a collaborative effort among the UMS librarians to integrate access to digital collections and resources, including the online catalog (URSUS), with a new Web site. The new system of hardware and software on which the Mariner Gateway resides positions the libraries to create digital collections and services and to provide access to them through a common gateway.

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"As a group, Maine's women workers – whether they are in the paid labor market, on welfare, or full-time homemakers – face greater economic insecurity than men workers for a number of reasons," the study concludes. "These range from the structure of the U.S. labor market itself to the changing family roles of men and women in our society. Women on the average have lower incomes than men, they work longer weeks in combined paid work and family work, and they bear more of the burden of work/family conflicts. In contrast to earlier generations, women are now more likely to be in the labor force for most of their adult life, whether or not they have children."

Key findings of the Bureau of Labor Education study include:

▼ In 1995, 61.6 percent of Maine women were working, compared with 58.9 percent of American women.

▼ The majority of Maine's working women perform jobs traditionally dominated by women and that pay relatively low wages. Women are disproportionately concentrated in three categories – administrative support, retail sales and service.

▼ For most of Maine's working women, job trends are discouraging. Despite six out of seven top jobs with largest projected growth through 2005 being predominantly held by women, most offer low wages and few advancement opportunities.

▼ Wives on the average spend far more hours per week in household work than their husbands, even among dual-career families where both spouses work full time.

"Given that women workers are at greater economic risk than men, and women are largely responsible for balancing work and family, there is an ongoing and urgent need for social support and recognition of their crucial roles," says Hanson. "Since women's economic contributions to society and to their families are so essential, everyone – women, men, children, and society at large – will ultimately benefit from policies which will enhance women's access to resources and greater economic security." ▲

We Remember



Fr. Francis Letourneau

Fr. Francis Letourneau, the University of Maine's first Catholic chaplain who served the University community for 21 years, died Dec. 2 at the age of 89.

From 1946-67, Fr. Letourneau was chaplain to the Newman Club and Newman Chapel, serving Catholic students, faculty, staff and administrators of UMaine. He was considered a pioneer in his efforts to participate in interreligious dialogue on campus, in the days of intense distrust among the churches and religions.

Fr. Letourneau, who previously served as chaplain at Bates College, began his tenure at UMaine by celebrating Mass from the porch of his Grove Street home in Orono. Two years later, he bought the "log cabin" on College Avenue that then served as the Newman Chapel.

The Newman Center was constructed in 1971. The Newman Chapel's set of 19th century stained glass windows, installed in the early in the 1950s, were relocated to the Newman Center.

FOREIGN SERVICE OFFICER EXAMS

The Foreign Service Officer Exam will be offered in February 1998. This test is necessary for those students who may wish to enter the field of Foreign Service to serve the diplomatic needs of the U.S. in embassies, consulates or other diplomatic missions. Exam applications are available at the Office of International Programs in 100 Winslow Hall and must be completed by Jan. 16. Call 581-2905 for more information.

UMaine Biogeochemist Studies Marine Snow Beneath the Depths of the North Pacific



Cindy Pilskaln aboard the R/V *Point Sur* in the Pacific.

During her most recent research trip to the central North Pacific, Cindy Pilskaln spent a lot of time watching TV. It wasn't that the work was boring. In fact, the screen was filled with snow.

Pilskaln, an associate professor of oceanography in the University of Maine's School of Marine Sciences, has developed an underwater video system to collect information on what oceanographers call marine snow, the small particles that drift slowly but constantly down from the surface into the deep sea.

Marine snow is the ocean's dust balls: fecal pellets, parts of dead zooplankton and their feeding structures, algal remains and living micro-organisms.

Along with oceanography master's student Christina Darkangelo and research associate Charlotte Lehmann, Pilskaln has been analyzing those particles to help solve a mystery: how life processes are fueled in the vast open reaches of the oceans – areas which are generally so unproductive that they are described as "deserts."

Emerging information already led scientists to revise views on how quickly nutrients are transported and consumed in these areas. Ultimately, the findings of Pilskaln and her colleagues will improve the accuracy of models used to estimate how much carbon is absorbed by the world's oceans – a critical factor in global warming scenarios.

Pilskaln's research is part of an international effort funded by the National

Science Foundation (NSF). It involves researchers from institutions such as the University of Texas, the Bermuda Biological Station, the University of California – Santa Barbara and the University of Massachusetts at Boston and Dartmouth. For her part, Pilskaln has garnered more than \$166,000 in support over the last three years from the NSF.

"Strictly speaking, my academic background in sedimentary geology defines me as a geologist," she says. "Although I started out in the mud, I jumped up into the water column because I became very interested in the interconnected biological and chemical processes which ultimately determine sediment composition as well as nutrient input to the deep sea. Today, this type of research defines me and a significant number of my colleagues as biogeochemists."

Marine snow is the ocean's dust balls: fecal pellets, parts of dead zooplankton and their feeding structures, algal remains and living micro-organisms.

In turbulent coastal waters, nutrients are brought to the surface by seasonal wind-mixing and periodic upwelling. However, in large areas of the open ocean, such mixing rarely occurs. Dissolved nutrients tend to concentrate in a layer about 100 or so meters deep called the nutricline. The nutricline is isolated from the ocean surface by water temperature

and density differences, but some compelling new evidence suggests that somehow, compounds from the deep nutricline are finding their way back to the surface. Thus the problem: how does that happen?

In each of the last two years, Pilskaln has traveled to the central North Pacific on the R/V *Moana Wave* and the R/V *New Horizon*, oceanographic research vessels operated out of the University of Hawaii and Scripps Institute of Oceanography. She uses a device called a structured light and high resolution video system which she developed at the Monterey Bay Aquarium Research Institute (MBARI) in California in the late 1980s. Her device is based on a much larger instrument engineered by colleagues at the Woods Hole Oceanographic Institution. It consists of an underwater video camera and a paired light and mirror system, all mounted on a self-propelled remotely operated vehicle (ROV). An ROV operator controls the system via a cable from a ship on the surface. The cable transmits power to the vehicle, and data and video imagery back to the ship.

As it moves through the water during a research cruise, the system's camera focuses on an area with a known volume. Illuminated marine snow particles look somewhat like stars streaming past the *Star Trek Voyager* at slow speed.

Back in Orono, Pilskaln and Lehmann subject the video images to computerized analysis. Particles are counted and sized.

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News at a Glance

HEYERDAHL ACCEPTS UMAINE APPOINTMENT

World renowned Norwegian scientist and explorer Thor Heyerdahl has accepted a position as distinguished research associate with the University of Maine Institute for Quaternary Studies. Heyerdahl is the author of *Kon-Tiki* and many other books, and was most recently at UMaine last May for a presentation about his work.

According to George Jacobson, director of the Institute, the appointment means that Heyerdahl will continue his research collaboration with UMaine faculty and participate in workshops, conferences and student research meetings.

"It's an honor for us to have Dr. Heyerdahl involved with the Institute on a formal basis," says Jacobson. "His achievements have inspired people throughout the world, and his knowledge adds an important dimension to our research. Students will particularly benefit from the opportunity to learn from someone who has so many interesting experiences, and who has been responsible for stimulating so much research about human prehistory."

In a letter stating his acceptance, Heyerdahl said he enjoyed his meeting last spring at UMaine. "It is indeed a great honour for me to accept this friendly invitation, particularly since I got such a very favourable impression of your university and its staff and alumni during my visit in May this (past) year."

Heyerdahl's collaboration with UMaine stems from his research in Peru with Daniel Sandweiss, assistant professor in the Department of Anthropology and the Institute. In 1995, their work produced a new book describing the excavation of Tucumé, the largest pyramid complex in Peru. Heyerdahl has also written the foreword to a book recently translated by Sandweiss on pre-Columbian Cuban art and archeology.

Heyerdahl lives in the Canary Islands. He was in the States last May for the first board meeting of a new organization, the Foundation for Exploration and Research on Cultural Origins (FERCO).

M.C. FERNALD'S DEBUTS

The long wait for Fernald's food service will soon be over. Jan. 12, Fernald Snack Bar will reopen as M.C. Fernald's - "The Maine Sandwich Cafe."

Highlighting the new menu are specialty sandwiches sporting such unique titles as The Lord Hall, described as "a truly noble sandwich"; The Aubert, a sandwich with "just the right chemistry"; The Land Grant that "will give your senses acres of pleasure"; and The Sea Grant, a seafood salad to "educate your taste buds."

In addition, M.C. Fernald's will offer made-to-order sandwiches and freshly baked pastries. There will be two soups to choose from each day, with at least one vegetarian option.

Types of breads will include: herb garlic, white, honey wheat, spinach and tomato wraps, milano rolls, bagels, sour dough, white and peasant wheat. Fillings will include Jordan's Healthy Trim Meats (at least 97 percent fat free).

A Grand Opening Celebration will be held Jan. 19-30. Come meet vendors, sample new products and enter a Grand Prize Drawing for a chance to win one of more than 20 items.

M.C. Fernald's is named for Merritt Caldwell Fernald, the first faculty member, first acting President and second President of the Maine State College of Mechanical Arts and Agriculture, now known as the University of Maine.

GRADUATE TA TEACHING WORKSHOP SCHEDULED

Designing motivating courses, addressing gender issues and using technology in the classroom are among the topics to be addressed in a Graduate TA Teaching Workshop Friday, Jan. 16.

The workshop, sponsored by the Graduate School and Association of Graduate Students, will be held noon-4:30 p.m., Barrows Hall. The afternoon features sessions on five topics, led by UMaine faculty and staff. Following a half-hour closing discussion, a wine and cheese party will be held in the Graduate Center, Estabrooke Hall.

The free workshop is designed for all graduate teaching assistants, both new and experienced, who want insight in how to improve their teaching skills. No preregistration is required.

The workshop schedule is:

noon-1 p.m.	Issues Facing Graduate TAs (Brown Bag Lunch)	153 Barrows
1-2:15 p.m.	Designing Motivating Classrooms	152 Barrows
	Gender Issues in the Classroom	119 Barrows
2:30-3:45 p.m.	Technology in the Classroom	124 Barrows
	Trouble Shooting Difficult Situations	123 Barrows
4-4:30 p.m.	Closing Discussion	153 Barrows
4:30-6 p.m.	Wine and Cheese Party	Graduate Center, Estabrooke Hall

FOGLER LIBRARY PROVIDES SERVICE TO BANGOR PUBLIC LIBRARY PATRONS

The closure of Bangor Public Library during its move back to its newly renovated and expanded Harlow Street location has not meant patrons have been without library services.

Elaine Albright, UMaine dean of Cultural Affairs and Libraries, offered the services of Fogler Library to Barbara McDade, director of Bangor Public Library, while the public library is closed during its relocation to Harlow Street from its temporary home on Outer Hammond Street.

Bangor Public Library closed Dec. 13, and the reopening is planned for Monday, Jan. 26.

During the six weeks the library is closed, Bangor Library patrons are invited to use Fogler. A valid Bangor Public Library card enables a public library patron to borrow books from Fogler Library's collection, use the online resources, and have access to reference materials.

Fogler Library is also a drop-off location for patrons wishing to return Bangor Public Library material.

SCHOOL OF MARINE SCIENCES RECEIVES AWARD

The Gulf of Maine Council on the Marine Environment has given its 1997 Visionaries Award to the University of Maine School of Marine Sciences and Robin Alden, former commissioner of the Maine Department of Marine Resources.

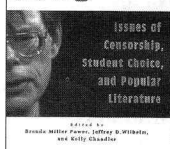
In a news release, Evan Richert, director of the Maine State Planning Office, said, "I can think of no other individual and organization that deserve to be called Gulf of Maine Visionaries more than Robin Alden and the University of Maine's School of Marine Sciences. This recognition is well deserved."

Alden is a UMaine graduate who helped establish the annual Fishermen's Forum and founded *Commercial Fisheries News*. SMS was cited for its breadth of marine education, research and service to marine industries.

V O L U M E S

Recent Works by University of Maine Authors

Reading Stephen King



Reading Stephen King: Issues of Censorship, Student Choice, and Popular Literature

Edited by Brenda Power, Jeffrey Wilhelm and Kelly Chandler
(National Council of Teachers of English 1997)

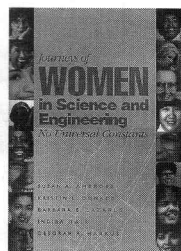
Reading Stephen King: Issues of Censorship, Student Choice, and Popular Literature is a

collection of essays growing out of a national conference by the same name, held on campus in October 1996, sponsored by the College of Education and Human Development.

Edited by literacy faculty members Brenda Power and Jeff Wilhelm, and literacy doctoral student Kelly Chandler, the book features chapters by literary scholars, university faculty, librarians, high school teachers and students, and UMaine alumnus Stephen King. Contributors include UMaine College of Education and Human Development faculty Rosemary Bamford, Janice Kristo, Constance Perry and Anne Pooler, and doctoral student in literacy education Abigail Garthwait.

This collection of essays spotlights the ways in which King's work intersects with the themes of the literary canon, and its construction and maintenance, censorship in public schools, and the need for adolescent readers to be able to choose books in school reading programs. The essays map out the terms of a debate about teaching banned books, the literary canon, definition of literacy beyond print, and student choice in reading materials – topics of interest to a diverse audience of educators, students and policymakers.

Reading Stephen King includes a reference list of literary works and resources to fight censorship.



Women in Science and Engineering: No Universal Constants

By Susan Ambrose, Kristin Dunkle, Barbara Lazarus, Indira Nair, Deborah Harkus.
(Temple University Press, Philadelphia 1997)

As a child, Susan Brawley kept a museum and a chemistry laboratory in the attic of her North Carolina farmhouse. Over the years, she continued to collect plants and maintain her interest in science. After attending Wellesley College and receiving a Ph.D. at the University of California – Berkeley, she became a marine biologist at the University of Maine.

It was different for Bonnie Shulman, a mathematical physicist at Bates College in Lewiston. Although she took a fast track at the Bronx High School of Science, she dropped out of academia, hitchhiked across the country and lived in a commune. She returned to college at the age of 30 and earned her doctorate at the University of Colorado.

Unlike them both was Shirley Ann Jackson, who grew up in Washington D.C., the daughter of a postal employee and social worker. Her parents encouraged her to study and to excel, and in 1973, she became the first African-American woman to graduate from MIT with a Ph.D. in theoretical physics. She is now chairperson of the Nuclear Regulatory Commission.

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Media Spotlight

Wilhelm in Reading Today

Research and comments by Jeffrey Wilhelm, assistant professor of literacy education, are featured in the lead story of the December/January edition of *Reading Today*, the bimonthly newspaper of the International Reading Association. The feature, "The Case for Comics" examines the debate over the use of comic books in the classroom and how some educators are finding them a useful tool to motivate reluctant readers.

Lobster Institute in the Oregonian

The Lobster Institute at UMaine is noted as the source of information about cooking lobsters in FOODday article in the Dec. 1 issue of the *Oregonian* newspaper of Portland, Ore. The story includes nutritional information from the Maine Lobster Promotion Council and details about lobsters cryogenically frozen through a technique developed in the Department of Food Science and Human Nutrition in collaboration with Ice Brand Sea Foods Inc.

UMaine in the Chronicle of Higher Education

The Dec. 19 issue of the *Chronicle of Higher Education* includes a story about UMaine's new gift certificate program. The story, which contains comments from Dean of Enrollment Management John Beacon, is accompanied by a four-color photo of one of the certificates. The program allows family and friends of UMaine students to purchase gift certificates, redeemable for tuition and fees during Winter Session or this semester.

Thomas Live on the Air in Los Angeles

Sydney Carroll Thomas, assistant professor of counseling education, was a guest last month on the live morning call-in show from KPCC-FM, Los Angeles. The topic for host Larry Marino and the Southern California audience was aggression in schools, and how parents and teachers should address the problems of bullies and teasers. The other guest was UCLA psychologist Fred Frankle.

Book Ends

New & Noteworthy at the University Bookstore

Welcome Back to a new semester. We are now well into the throws of winter so read on for a look at some books with snow in mind!

Snowboarding to Nirvana, Frederick Lenz – St. Martin's Press/1997. In this continuation of *Surfing the Himalayas*, snowboarding again becomes the metaphor for maneuvering one's self through the trials and tribulations of real life. The lesson: By learning to concentrate, meditate, and understand, the sport of life can be easily mastered.

Winter Blues: Seasonal Affective Disorder/What It Is and How to Overcome It, Norman Rosenthal, M.D. – Guilford Press/1993. When the seasons change, do you have less energy than usual? Feel less productive and creative? Need more sleep? Feel sad, down or depressed? Have less control over your appetite? If you answered yes to any of the above, you may be one of the millions of people who suffer from seasonal affective disorder (SAD). This fascinating and authoritative book may be just the survival guide you need.

The Essential Snowshoer: A Step-By-Step Guide, Marianne Zwosta – McGraw Hill/1998. Take a hike . . . a winter hike! Whether it's a leisurely stroll in your neighborhood park or a weeklong backcountry trek, snowshoeing can be the key to enjoying winter rather than enduring it. This book is a perfect introduction to this refreshingly uncomplicated sport.

The Mitten Tree, Candace Christiansen – Fulcrum Press/1997. Old Sarah, worried about the children without mittens, uses up all of her old yarn to knit mittens and leave them on the blue spruce tree at the bus stop. After covering every branch with mittens, and having used up all her yarn, Old Sarah returns home to a surprise of her own. A heartwarming story for all ages.

A Guide to Nature in Winter (Stokes Nature Guides), Donald Stokes – Little Brown/ 1976. This book will lead you to all the exciting things you can discover in winter and make the season come alive. . . the best guide available to the winter season!

Malcolm Hunter Jr., Libra Professor of Conservation Biology, Department of Wildlife Ecology, and **Jeff Jaros-Su**, graduate student in Applied Ecology and Environmental Sciences: "Insects, Entomologists, and the Conservation of Biodiversity," *Northeastern Naturalist*, 4(3):153-58 (1997). In addition, Hunter and **Alan White**, associate

professor of forest resources: "Ecological Thresholds and the Definition of Old-growth Forest Stands," *Natural Areas Journal*, 12:292-96 (1997).

Steve Sader, professor of forest resources and forest engineering; Conrad Reining and Carlos Soza, Conservation International; and Tom Sever, NASA-Marshall Space Flight Center: "Human Migration and Agricultural Expansion, A Threat to the Maya Tropical Forests," *Journal of Forestry*, 95(12):27-32 (December 1997).

Matthew Moen, professor and chair of political science, and **Kenneth Palmer**, professor of political science: "Maine: Slow Growth in the Pine Tree State," *God at the Grassroots: The Christian Right in the 1996 Elections*, ed. by Mark Rozell and Clyde Wilcox (Rowman & Littlefield, 1997) pp. 223-37.

Former graduate student **Michael Cole** and **John Moring**, professor of zoology, Department of Biological Sciences: "Relation of Adult Size to Movements and Distribution of Smallmouth Bass in a Central Maine Lake," *Transactions of the American Fisheries Society*, 126(5):815-21 (1997).

Peter Trask, graduate student in psychology, with **Sandra Sigmon**, associate professor of psychology: "Munchausen Syndrome: A Review and New Conceptualization," *Clinical Psychology: Science and Practice*, 4:346-58 (Winter 1997).

An article by **Stuart Bruchey**, former Libra Professor of History and Economics: "The Impact of Concern for the Security of Property on the Legal System of the Early American Republic," originally published in the *Wisconsin Law Review*, has been included in a six-volume collection of articles in legal history, edited by James W. Ely: *Property Rights in American History* (New York, Garland Publishing, 1997).

W.R. Congleton, BioSystems Science and Engineering, **B.R. Pearce**, Civil and Environmental Engineering and B.F. Beal, University of Maine at Machias: "1-17, A C++ Implementation of an Individual/Landscape Model," *Ecological Modelling*, 103 (1997).

Joann Kovacich, director of UMaine's Interdisciplinary Training for Health Care for Rural Areas Project (ITHCRA); Cristanna Cook, research director of Medical Care Development Inc. and associate professor of marketing at Husson College; Shirley Weaver, director of the Area Health Education Center Program and assistant dean at the University of New England College of Osteopathic Medicine, Biddeford; and Vincent Pelletier, division chair, administrator for Division of Nursing Faculty for Community Health, Health Assessment and Pharmacology, University of Maine at Fort Kent: "Building Interdisciplinary Teams On-Line in Rural Health Care," *MasterClass: Learning, Teaching and Curriculum in Taught Master's Degrees*, published by Cassell and edited by Peter Knight.

Janice Zeman, assistant professor of psychology, and **Kimberly Shipman**, graduate student: "Social-contextual Influences on Expectancies for Managing Anger and Sadness: The Transition from Middle Childhood to Adolescence," *Developmental Psychology*, 33:917-24 (1997).

Sandra Caron, associate professor of family relations/human sexuality, along with **William Halteman**, associate professor of mathematics, and **Cheri Stacey**, former graduate student in human development, "Athletes and Rape: Is There a Connection?" *Perceptual and Motor Skills*, 85:1379-93 (1997).

Joseph Scotti, associate professor, West Virginia University; **Douglas Nangle**, assistant professor of psychology; along with Carrie Masia, James Ellis, Kimberly Ujcich, Angela Giacoletti, Glenda Vittimberga, and Rebecca Carr, West Virginia University: "Providing an AIDS Education and Skills Training Program to Persons with Mild Developmental Disabilities," *Education and Training in Mental Retardation and Developmental Disabilities*, 32: 113-128 (1997).

Marisue Pickering, professor of communication disorders and special assistant to the provost: "Journeys Mapped To My Own Condition," *Maine Scholar*, 10: 253-268 (Autumn 1997).

Sandra Caron, associate professor of family relations/human sexuality, along with Bruce Carter, associate professor of psychology, Syracuse University: "The Effects of Sex Role Orientation, Egalitarianism, Attitudes Toward Sexuality, and Attitudes Toward Violence Against Women," *Journal of Social Psychology*, 137(5):568-87 (1997).

M. Susan Erich, associate professor of plant and soil chemistry, and **Georgette Trusty**, former graduate student: "Chemical Characterization of Dissolved Organic Matter Released by Limed and Unlimed Forest Soil Horizons," *Canadian Journal of Soil Science*, 77:405-413 (1997).

William Johnson, University of Mississippi Medical Center; Rebecca Carr, University of Nebraska; **Douglas Nangle**, assistant professor of psychology; Martin Antony, Clarke Institute of Psychiatry; and Claudia Zayfert, Dartmouth Medical School: "What Is Binge Eating?: A Comparison of Binge Eater, Peer, and Professional Judgments of Eating Episodes," *Addictive Behaviors*, 22: 631-635 (1997).

Douglas Nangle and **Janice Zeman**, assistant professors of psychology, have been appointed as editors of a special issue of the *Journal of Clinical Child Psychology*: "On the Importance of Incorporating Developmental Theory into Clinical Child Training." The *Journal of Clinical Child Psychology* is a division journal of the American Psychological Association.

Susan Russell, senior, child development and family relations, and administrative assistant in the College of Education and Human Development: "A Look at Dating Violence," *Mainely Middle*, 8:1 (Fall 1997).

Gloria Vollmers, assistant professor of accounting; **Steven Colburn**, associate professor of accounting; and Ted Englebrecht, eminent scholar, Old Dominion University: "Depreciation Deductions Allowed On Antique Musical Instruments Used in a Trade or Business," *The CPA Journal*, 67(11):68-70 (November 1997).

Linda Woodrell, doctoral student in literacy education: "Staff Development Recognizes the Value of Each Teacher or Please Don't Check Part of Who You Are at the Door," *Primary Voices K-6*, published by the National Council of Teachers of English, 5:4 (November 1997).

David C. Smith, Bird and Bird Professor Emeritus of American History and cooperating professor, Institute for Quaternary Studies: "H.G. Wells and His Contemporary Critics: A Developing Reputation," pp. 213-244, Annie Escuret, ed., *H.G. Wells: Science et Fiction au XIXe Siècle*, No. 46 (Octobre, 1997), Cahiers Victorians et Edouardiens (Montpellier, France).

Kay Hyatt, communications coordinator, College of Education and Human Development: "Within the University: Gaining Respect in Your Own Backyard," and **Robert Cobb**, dean, College of Education and Human Development: "In Their Own Words: The Deans' Perspective on Information Officers in Schools of Education," chapters in the book: *The Role of Information Officers in Schools of Education*, published by the American Association of Colleges for Teacher Education (1997).

Warren Riess, research associate professor of History: *Penobscot Expedition* and "Ronson Ship," *British Museum Encyclopedia of Maritime and Underwater Archaeology*, ed. J. Delgado, Yale University Press (1997).

STOLEN ISLAND REVIEW SEEKS SUBMISSIONS

Stolen Island Review, the literary magazine of UMaine's graduate English program, is seeking submissions of poetry, fiction and essay from new and established writers in Maine. Work need not address a Maine theme. The last issue included travel stories, lyrical poetry, a horror story, and a poetic dialogue on digital eros. This doesn't mean that anything goes. We are seeking work that is fresh, engaging and thoughtfully written.

Fiction and essays should be no longer than 10-15 pages (double-spaced). Any number of poems may be submitted. Submit text copy and disk in MS Word or WordPerfect, Mac or Windows format. Include a cover sheet stating your name, address, phone number and title of each poem, essay or work of fiction. Your name should not appear on the work itself. Payment is two copies of the magazine. Copyright reverts to author.

Deadline Jan. 31. Send to: *Stolen Island Review*, English Department, Neville Hall, University of Maine, Orono, ME 04469.

Faculty and graduate students in all departments are encouraged to submit. For more information, call 581-3858. Ask for managing editors Daniel Dehn and Irene Jackson.

Mitschka Hartley, graduate research assistant, Department of Wildlife Ecology, was chosen as one of 10 Americans to receive the 1997 Swedish-American Bicentennial Exchange Award to facilitate study of wildlife and forestry at the Swedish University of Agricultural Sciences. He presented a paper: "A Meta-analysis of Forest Cover, Edge Effects, and Artificial Nest Predation Rates," at the Swedish University of Agricultural Sciences, Department of Conservation Biology, Uppsala, Sweden, Sept. 17, and the Grimsö Wildlife Research Station Sept. 18.

Malcolm Hunter Jr., Libra Professor of Conservation Biology, Department of Wildlife Ecology, presented a paper: "Maintaining Forest Biodiversity," at the University of British Columbia, Vancouver, Oct. 22.

Raymond O'Connor, professor of wildlife ecology, gave a talk: "A Prototype National Ecological Risk Assessment," to the USEPA Office of Pesticide Programs staff, Washington, D.C., Oct. 15. He then gave the following talk: "A National Biodiversity Assessment Using Breeding Bird Survey Data," to the Department of Forestry and Environmental Science, University of New Brunswick, Fredericton, Oct. 24. In addition, he attended a workshop on exploratory Multivariate Statistics in Ecology at the Department of Forestry and Environmental Science, University of New Brunswick, Oct. 25-26.

Karen Boucias, director of the Office of International Programs, was an invited speaker at the annual meeting of the New England Association of College Registrars and Admissions Officers Nov. 6 in Nashua, N.H. She spoke on: "Considerations in International Admissions." She was also named one of six members of the selection committee for the Soros Foundation's Open Society Environmental Fellowship Program. The selection committee met at the Soros Foundation headquarters in New York City Dec. 8-9 to screen more than 80 applicants from the former Soviet Union. The University of Maine has been a previous participant in the program and will gain two fellowship recipients for 1998-2000.

James McLaughlin, assistant research professor of forest resources, Cooperative Forestry Research Unit, presented an invited paper: "Changes in Soil Nutrient Mobility/Availability After Harvest," at The Society of Soil Scientists of Northern New England's Short and Long Term Effects of Forest Practices on Soil Nutrients meeting, Bethel, Dec. 5.

The Association for Canadian Studies in the U.S. '97 biennial conference was Nov. 19-23 in Minneapolis. The following UMaine faculty chaired sessions and presented papers: Emeritus Professor **Robert Babcock**, history, chaired the session: "North American Work Ethics in the Nineteenth and Early Twentieth Centuries"; **Howard Cody**, associate professor of political science/Canadian studies, chaired the session: "Politics and Policies in Western Canada," and presented a paper: "The Reform Party: A Western Phenomenon or a Natural Force?" **David Decker**, associate professor of art, presented a paper: "Traditional Market Places in Canada: Something Old, Something New, Not Everything Farmers Grew"; **Jacques Ferland**, associate professor of history, participated in the roundtable: "Toward a Synthesis of North American History I: Topical Themes-Labor"; **Stephen Hornsby**, director of the Canadian American Center and associate professor of anthropology, was a discussant of the session: "Community and Social Change"; **Margaret Lukens**, assistant professor of English, presented a paper: "A Being of a New World: The Ambiguity of Mixed Blood in Pauline Johnson's 'My Mother'"; **Richard Mueller**, assistant professor of economics and Canadian studies, presented a paper: "Changes in the Wage Distribution and the Quality of Immigrant Flows Between the United States and Canada," and was a discussant in the session: "Labor Issues and Standards"; **Judith Oakley**, assistant professor of business management, presented a paper: "Regulatory Policy and the Competitiveness of Small Harvestors and Processors in the Northwest Atlantic Fisheries Industry"; **Raymond Pelletier**, associate professor of French and associate director of the Canadian American Center, presented a paper: "On Increasing the Technological Component of Canadian Studies Courses"; and **Scott See**, associate professor of history, chaired the roundtable: "Toward a Synthesis of North American History I: Topical Themes."

At the annual conference of the Association of the Advancement of Behavioral Therapy in Miami, Nov. 13-16, Assistant Professors of Psychology **Douglas Nangle** and **Janice Zeman**, with graduate student **Leslie Sim**, organized a panel discussion: "On the Importance of Incorporating Developmental Theory into Clinical-child Doctoral Training Program," and presented a paper: "Survey of Clinical-child Training Programs." In addition, Zeman, with graduate students **Susan Penza** and **Kimberly Shipman**, gave a presentation: "Predicting Depressive, Aggressive, and Anxious Symptomatology from Patterns of Emotion Dysregulation in Children."

Lucille Zeph, director, and **Debbie Gilmer**, assistant director for community services, Center for Community Inclusion, participated in a Strategic Leadership Development Planning Caucus this past September in Itasca, Ill., which focused on healthcare. The caucus was sponsored by the American Association of University Affiliated Programs.

Maria Timberlake and **Betsy Enright**, Center for Community Inclusion, presented a session: "Challenging Standards for All: Restructuring and Inclusive Education," at the national TASH conference in Boston in early December. This session highlighted Maine's efforts to implement high standards for all students and was part of a strand with Colorado, California and Missouri.

Debbie Gilmer, assistant director for community services, Center for Community Inclusion, was invited to participate on a panel: "Building an Infrastructure for Customers with Disabilities," moderated by Maine's Commissioner of Labor Valerie Landry, at the U.S. Department of Labor's Region I conference: "America's One-Stop Career Center System: The Disability Connection," held at Sunday River, Nov. 17-19. In September, Gilmer participated as a member of Maine's planning team in the National Forum on School to Work and Youth with Disabilities, held in Washington, D.C.

Gordon Donaldson, professor of educational leadership, gave two presentations at the National Staff Development Council annual conference, Dec. 6-10, Nashville. His topics included: "Learning While You Lead: Can Leaders Develop Any Other Way?" and "Growing Interpersonal Leadership Skills: Fertilize, Prune or Transplant."

Sheila Pechinski, associate dean of the College of Business, Public Policy and Health, presented two workshops: "Start-up Marketing," at Governor King's Blaine House Conference on Small Business, held at the Augusta Civic Center.

Researchers of the National Center for Geographic Information and Analysis (NCGIA) attended COSIT '97, the third International Conference on Spatial Information Theory, in Laurel Highlands, Penn., Oct. 15-18. **Max Egenhofer**, director of NCGIA, associate professor in spatial information science and engineering, and cooperating associate professor in computer science, chaired a session: Representations of Change; **Kathleen Hornsby**, graduate research assistant, presented the paper: "Qualitative Representation of Change"; **Andrea Rodríguez**, graduate research assistant, presented the paper: "Image-Schemata-Based Spatial Inferences: The Container-Surface Algebra," (co-authored by Egenhofer); **Martin Raubal**, graduate research assistant, presented the paper: "Structuring Space with Image Schemata: Wayfinding in Airports as a Case Study," (co-authored by Egenhofer, **Dieter Pfoser**, former graduate research assistant, and **Nectaria Tryfona**, former post-doctoral research associate); **Tom Bittner**, visiting scientist with NCGIA, presented the paper: "A Qualitative Coordinate Language of Location of Figures within the Ground"; and **Andreas Blaser**, graduate research assistant, presented an interactive poster: "User Interaction in a Sketch-Based GIS User Interface." Other participants attending were **Doug Flewelling**, project manager with NCGIA; **Roop Goyal**, graduate research assistant; and **João Paiva**, graduate student in spatial information science and engineering. Bittner, Blaser, Goyal, Hornsby, Paiva and Rodríguez also participated in the doctoral colloquium subsequent to the conference Oct. 19.

Eisso Atzema, mathematics instructor, presented a paper: "Student and the Student t-Distribution: The TI-83 and Probability Theory," at the 10th International Conference on Technology in Collegiate Mathematics, Chicago, Nov. 6-9.

Professor **Dennis Cox**, music, was the guest choral clinician for the Fall Choral Festival of the Maine State Chapter of the American Choral Director's Association. The event was held at Messalonskee High School in Oakland Nov. 6.

Literacy Education faculty and graduate students presented at the annual convention of the National Council of Teachers of English, Nov. 20-25 in Detroit. **Jeffrey Wilhelm**, assistant professor, presented: "Reading is Stupid: Working with Reluctant or Resistant Readers," "Getting Engaged: Showing Literature to Be the Listening of Free Minds," and "Reading as the Conflict Zone: Assisting Struggling Readers through Drama and the Arts." **Brenda Power**, associate professor, and **Kelly Chandler**, doctoral student, participated in a panel: "Reading Stephen King: Student Choice, Censorship, and the Place of Popular Literature in the Canon." Power, Wilhelm and Kelly are editors of a new book on the same same issues. Power also chaired a panel: "Engaging Families and Researchers: Home and School Connections through Parent-Teacher Journals." Other UMaine literacy graduate students and practicing teachers participating on research panels were **Susan Pidhurney**, **Sherry Young**, **Lee Anne Larsen**, **Katrina Kane** and **Jennifer Allen**. Doctoral student **Rose Casement** was a panelist discussing: "Conversation on Language as Social Action: How Can Elementary Classrooms Become Safe and Respectful Places for Gay and Lesbian Issues, Families and Colleagues?" **Jan Kristo**, professor, participated as secretary of the Children's Literature Assembly annual board meeting.

In November, **Joann Kovacich**, director of the ITHCRA Project, presented a talk: "What Have We Learned from the Maine Academic Community Partnerships Health Education Planning Project?" at the Professional Work Force Issues Workshop at the Maine Rural Health Association Annual Meeting in Rockland.

Alfred Leick, professor in spatial information, and **Charles Mundo**, adjunct professor in spatial information, presented the paper: "GLONASS Double Difference Ambiguities," at the International Symposium on Current Crustal Movement and Hazard Reduction, Wuhan, P.R. China, Nov. 4-7. The paper was resented by Mundo.

Patrick McMullen, assistant professor of management, recently presented the paper: "Multiple Objective, Mixed-Model JIT Assembly Line Sequencing with Setups," at the 1997 Decision Sciences Institute Conference in San Diego.

Henry Munson, professor of anthropology, gave a paper at the American Anthropological Association meeting in Washington D.C., Nov. 23: "The Rushdie Affair and the Limits of Relativism." Four undergraduates also attended: **Megan Temm**, **Ed Hendren**, **Judith Redding** and **Shawna Chesto**.

Vijay Panchang, professor in the School of Marine Sciences and cooperating professor in civil and environmental engineering, is beginning a year's appointment with the National Oceanic and Atmospheric Administration in Washington D.C. as a program officer for coastal processes and technology transfer, National Sea Grant College Program. His duties include policy planning, proposal review and coordination with Sea Grant's industrial partners program. Panchang's wave and coastal current modeling efforts have been used in developing harbors, piers and aquaculture sites around the world, including the Gulf of Maine, Hawaii and the Caribbean. He plans to return to Orono regularly to oversee ongoing modeling work by graduate and undergraduate students.

John Sherblom, associate professor of communication, received the Distinguished Member Award from the Association for Business Communication. The award recognizes his service to the association and to the discipline in editing *The Journal of Business Communication*, in facilitating Research Roundtable sessions at the past three annual conventions, and through multiple publications in business communication.

Nov. 19-23, the following Department of Communication and Journalism faculty participated in the National Communication Association convention in Chicago: **Kristin Langellier**, professor, presented a convention "spotlight" paper: "Personal Narrative, Performance, Performativity: Two or Three Things I Know For Sure"; co-presented a paper with **Claire Sullivan**, assistant professor: "Breast Talk in Breast Cancer Narratives"; and co-presented a short course with **Eric Peterson**, associate professor: "Personal Narrative in the Communication Classroom." **John Sherblom**, associate professor, responded to a panel: "When Location Doesn't Matter: Interaction in Computer-Mediated Environments"; and Sullivan responded to a panel: "The Narrative Experience and Health Communication."

MOEN NAMED HEAD OF NATIONAL ETHICS PANEL

Matthew Moen, professor of political science, has been named chair of the Committee on Professional Ethics, Rights and Freedoms of the American Political Science Association.

Moen, a member of the association since 1980, will serve a three-year term, starting this month.

"I look forward to the opportunity to serve the discipline of political science, and to set high standards for conduct in the field of higher education," says Moen, a member of the UMaine faculty since 1986. His research interests include Congress and the influence of religious interest groups in American politics.

The ethics committee of the American Political Science Association sets policies for ethics in political science in areas that include tenure and promotion, hiring, sexual harassment, discrimination, human rights and academic misrepresentation.

The American Political Science Association has about 13,000 members, including professors, policy makers and practitioners.

Sandra Sigmon, associate professor of psychology, along with **Diana Dorhofer**, **Kelly Rohan** and **Nina Boulard**, graduate students in psychology, presented a paper: "Anxiety Sensitivity: Menstrual Attitudes and Reactivity," at the annual meeting of the Association for Advancement of Behavior Therapy, Miami Beach, Nov. 15. Two other papers also were presented at the same conference. Rohan, Sigmon and Dorhofer presented: "Psychological Correlates in Women with Seasonal Affective Disorder and Normal Controls." Dorhofer, Sigmon and Boulard also presented: "Asthmatic Women and Menstrual Cycle Reactivity."

David C. Smith, Bird and Bird Professor Emeritus of American History and cooperating professor, Institute for Quaternary Studies, attended the annual meeting of the Wells Society in London, Sept. 19-22, and gave a talk: "On Editing the Letters of H.G. Wells." In addition, Smith was recently elected International Vice President of the H.G. Wells Society.

Marisue Pickering, professor of communication disorders and special assistant to the provost, took part in a workshop: "Think Global," at the annual convention of the American Speech-Language-Hearing Association (ASHA), Boston, Nov. 23. As president of the International Affairs Association of ASHA, she also shared in the presentation a poster session: "The International Affairs Association: Mission, Membership, and Networking," in Boston, Nov. 20.

Jeffrey Wilhelm, assistant professor of literacy education, gave the keynote address and presented several workshops at the Southern California Writing Project annual conference, University of California-Irvine, Dec. 15-16.

Sydney Carroll Thomas, assistant professor of counselor education, gave a presentation: "To Brilliantly Disrupt the Status Quo: Counselors Closing the Achievement Gap," at the Education Trust Conference, Nov. 20-22, Washington, D.C. The conference theme was: "Breaking The Silence: Overcoming Myths About Student Achievement Kindergarten Through College."

Sandra Caron, associate professor of family relations/human sexuality, presented a paper: "Cross Cultural Perspectives in Human Sexuality: Teen Pregnancy, Abortion, and Births in Europe Versus the United States," at the joint meeting of the American Association of Sex Educators, Counselors, and Therapists and The Society for the Scientific Study of Sexuality, Washington, D.C., Nov. 15. Two graduate students in Human Development, **Kris Croteau** and **Wendy Weise**, also attended the meeting.

At the annual meeting in Boston of the Northeast Popular Culture Association, **Judy Hakola**, lecturer in the Department of English, chaired a panel Oct. 31: "Teaching and Popular Culture," and presented a paper: "The Nature of Story: The Use of Television Commercials." **Ken Nichols**, assistant professor of public administration, also presented a paper: "Star Trek and Public Leadership Roles: Employing Popular Culture in the Classroom to Introduce Administrative Concepts."

David Yarrowrough, associate professor of horticulture and blueberry specialist, presented an invited paper: "Best Management Practices to Reduce Hexazinone in Groundwater in Wild Blueberry Fields," in the Environmental Stewardship Session of the Brighton Weeds Conference, Nov. 17-20, Brighton, UK.

Funding *continued from page 1*

and the University of Maine at Farmington should be "adjusted." New formula alternatives, based on Albright's analysis, are being discussed by the UMS President's Council with the Chancellor.

The Albright Report calls for a new state funding system for operations consisting of two parts – Core Funding (state appropriations providing stability and support for campus missions) and Investment Initiatives (newly appropriated additional funds supporting innovation and change). Under the plan, Core Funding would be determined by such factors as "sustained major enrollment changes."

Investment Initiatives are proposed to promote the use of institutional assets to achieve objectives of particular systemwide importance. Such objectives include delivery of education to previously underserved areas; use of technology for greater access; significant qualitative improvements for a small number of "signature" academic or research programs; external fund-raising for matching funds; and more affordable tuition.

According to the Report, "compelling" reasons to change the state education funding formula in Maine include the need to reflect emerging state priorities; address funding adequacy; and promote clear, distinctive, marketable missions. As set by Chancellor Terrence MacTaggart, the guiding goals for new financial strategies include being responsive to public needs for service, access and quality; maintaining predictability and stability of core resources; providing fairness and parity for similar services; using a "common sense" and holistic approach; stimulating quality by capitalizing on strengths and missions; advancing entrepreneurship; creating incentives to eliminate unnecessary or less productive activities; advocating open debate in an inclusive process; and promoting collaboration.

The Albright Report references cost studies and resource analyses used in Ohio and Texas. National and regional comparisons are made in such areas as expenditures per FTE student, state appropriations overall and faculty salaries. The Albright report clearly shows that there are significant cost differences among academic programs, based on level of course offerings and on discipline.

UMaine Interim Chief Financial Officer Mark Anderson notes that there is merit in looking at such models as Tennessee's performance funding plan, which is one of the longest running. Tennessee uses a model featuring 10 criteria, each equally weighted. In addition, the Tennessee system is "non-competitive" in its funding formula, with a separate performance funding pool for each campus. Performance is measured against the criteria, not against other campuses.

Anderson views a conceptual framework for a funding formula, like that used in other states, as based on four broad categories: outcomes, processes, descriptive attributes and mission. Above all, says Anderson, the formula "needs to be predictable and stable, reflective of cost and mission differentiation, supportive of sound educational policy, and sophisticated enough to accommodate the diversity of institutions in the University of Maine System."

According to Faculty Senate President Dana Humphrey, factors to consider in the reallocation of System resources include the differences in program costs; UMaine's statewide mission; comparison with peer institutions (i.e. other land-grant universities); the degrees produced (i.e. 43 percent of the System's baccalaureate degrees, 64 percent of its master's degrees and 100 percent of doctoral degrees); service to many full-time and part-time nontraditional students; services provided to other campuses, Maine businesses and citizens; cost of UMaine's research and public service missions and the status of campus infrastructure (i.e. the size and age of the physical plant).

"The University of Maine community should see the discussion of a new funding formula as an opportunity to both better understand and explain our role as a land-grant university with a difference," says Anderson. "A full understanding of the breadth and depth of that mission, and of the extraordinary costs that come with its delivery to the people of Maine, should result in a funding formula that will help us reach our full potential." ▲

King *continued from page 1*

"More than ever, this gives the community an opportunity to celebrate Martin Luther King's birthday," says Adonis Ferreira, assistant dean for multicultural programs. "Acknowledging this holiday is a commitment to what he stood for."

"We are hoping that everyone takes an opportunity on this day to reflect on the importance of the man and his leadership."

Last month in a unanimous vote of the Faculty Senate, a resolution passed designating Martin Luther King Day a University holiday. Impetus for the Senate resolution came from a request from ALANA students – African, Latino, Asian, Native American students – to UMaine President Peter Hoff, who supported an institutional observance of the day.

In addition to citing the importance of Martin Luther King celebrations and ceremonies in the life of UMaine's academic community, the resolution notes that the ideals of King "continue to inspire individuals who desire a more just society; a society in which all individuals are accorded freedom, opportunity and equality." Those ideals of truth, freedom, and the improvement of the conditions of humanity "are at the core of our work as faculty" at UMaine, states the resolution.

The Senate further recommended that the faculty and administration, working in cooperation with student organizations, develop activities, discussions, and educational seminars that commemorate King's contributions to society and further his goals.

With classes not in session on that holiday, it is hoped that more members of the University community will participate in the scheduled events that begin with a breakfast and end with a candlelight vigil. (Events in the Dr. Martin Luther King Jr. Birthday Celebration: "Creating a Society at Peace with Itself," can be found in the UMaine Calendar, beginning on page 3.)

"We're trying to bring people together in the community to have a dialogue about King's ideals and his legacy," says Ferreira. "Whether talking about race relations, discrimination, equality, human rights, the programming is designed to bring about awareness and dialogue around these issues to make this community a little better for everyone."

"It has to do with developing more of an understanding about King's ideals, particularly about freedom and equality, and working toward creating a good campus climate based on understanding and respect." ▲

Gallery Glimpses



Frost Fish Moon

The Hudson Museum's "Just for Kids" series for children continues Saturday, Jan. 17 with "Frost Fish Moon: Native American Calendars." Tribal sky watchers made calendar sticks to measure time and record details in nature, and the children will make their own calendar sticks. The event is scheduled for 10 a.m., and space is limited to 25.

Accreditation *continued from page 2*

things: What are we doing relevant to the Standard? How do we measure up to the Standard? In the future, how are we going to continue to meet the standard and even improve upon current practice?

"It is the future the Commission is most concerned about. Accreditation is prospective, a kind of quality-assurance."

Gelinas says UMaine's self-study will be an "open process," highlighted by the work of 14 subcommittees addressing the 11 Standards for Accreditation. Each of the subcommittees will draft a portion of the 100-page self-study report, which will be shared with the UMaine community and revised accordingly before the completed report is mailed to the members of the NEASC visiting team, which will be on campus for a site visit in April 1999.

Subcommittees are chaired by faculty and administrators who have special responsibility for the areas addressed by each Standard. The membership of each subcommittee is determined by its chair, "driven by the need to involve those with special expertise or decision-making authority with respect to the Standard being addressed," says Gelinas.

This semester will be devoted primarily to information gathering. A working draft of the self-study is expected to be completed by the beginning of the new academic year, allowing a full semester for discussion and revision, says Gelinas. Campus forums will be held during September and October, and postings of draft language will be made on FirstClass as it becomes available this semester.

"We should all feel ownership and pride in the process," says March. "The University of Maine has many strong, positive aspects, and this is also a chance to discuss these features of the institution, to reaffirm them."

"This is an honest, eye-opening process. We are not trying to show ourselves as perfect, but on the other hand can come out of the self-study as an even more dynamic institution which believes in itself," says March. "After several years of low morale due to financial difficulties, we are looking in new directions, with more hope."

In addition to being an evaluation of effectiveness, the self-study process also is an opportunity for retrospection, looking at issues that may not have been fully addressed in the 10 years since UMaine's last self-study. Concerns highlighted in the 1988 report of the Commission's evaluation team included the desirability of increasing both gender and ethnic diversity at UMaine. "At the time the University was not a very diverse institution, and although we have made progress in some areas, we still have much to do," says Gelinas, talking about one of UMaine's ongoing priorities.

The self-study process is an opportunity to look at institutional effectiveness – UMaine's role as an institution of higher education and as an institution within the specific context of Maine, says March.

"We can really see this as an opportunity to take a long, hard look at things such as diversity (on all levels) and our ability to function as a University with both a local and a global focus," says March. "We are fully capable of international presence, for example. We can bring these features to people's attention. They can show our versatility as well as spur us to improvement."

Other concerns cited by the Commission 10 years ago included the lack of a University-wide General Education program, meeting the Commission's standard that one-third of credits in all programs be in general education. A General Education program was recommended the following year by UMaine's Presidential Commission on Undergraduate Education, and the requirements were finally initiated in September 1995.

"The Commission revised its standards in 1992 and adopted a new emphasis on outcomes assessment – on encouraging institutions to pay more attention than in the past to demonstrating the effectiveness of their programs overall," says Gelinas. "We need to focus upon demonstrating how much students improve rather than on the letter grades awarded. We need to develop evaluation procedures and work to document effectiveness. It is a process that is developing."

Accreditation as a self-renewing improvement process involves always finding things you can do better, says Gelinas.

Accreditation is not a one-time event, like a test that one passes or fails; it is an ongoing process in which we use the self-study and the comments of the visiting team to identify areas where we can improve, and then develop plans for making changes that strengthen our programs. "We know our own strengths and weaknesses better than anyone else," says Gelinas. "There are unlikely to be any surprises in the accreditation process."

"I would like to think this process can do much to help the members of the University community understand even better how our institution works and why," says March. "Such things as self-studies keep institutions from resting on their laurels or from dipping too low in self-esteem. They have us asking why we are here, who are our students, and how we are serving them as well as the state as a whole and even our significance beyond state boundaries." ▲

UMaine Cooperative Extension



Winter Gardening

Looking for a cure for the winter blues? In Oxford County, the answer is gardening.

For the past five years, University of Maine Cooperative Extension has offered a "Beat the Winter Blues" series, focusing on gardening and small-scale agricultural activities for the homeowner. Call it an optimistic view of spring in the dead of winter. According to Barbara Murphy, Oxford County Extension educator trained in fruit and vegetable production, this is the optimal time to get people's attention.

"Winter is the best time to teach people," says Murphy, who created the series. "This is when people have time to sit down – a luxury they don't have when they're busy in the gardening season. By the time fall arrives, they're too burned out to talk gardening. This time of year, you can never teach enough gardening classes."

The series, which begins in late January and runs through March, has focused in past years on gardening, including designing perennial borders, starting seeds and transplanting seedlings. In addition, programs have featured such topics for the homeowner as making maple syrup, sheep raising, backyard bee keeping and Christmas tree raising. This winter, the series is on fruit and vegetable production – from "growing great garlic and onions," and "terrific tomatoes" to "incredible curcubits" (growing cukes, melons, squash and pumpkins) and backyard tree fruit.

The "Beat the Winter Blues" sessions often attract 25 participants, on average. Attending are gardeners with a range of experience – from beginners to experts – who share their knowledge and time-saving tips with each other.

Offered in South Paris, the series complements Extension's other gardening programs, including the popular Master Gardener program.

Positions Available

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

Instructor in Wildlife Ecology, Department of Wildlife Ecology. Nine-month, full-time faculty appointment. Qualifications: Required: Master of Science degree in wildlife ecology or a related field. Demonstrated teaching capability; research experience; organizational ability; knowledge of wildlife-related employment opportunities in government agencies and private organizations; and the ability to travel frequently, normally requiring a driver's license and ability to drive manual transmission vehicles. Preferred: Advanced computer skills and knowledge of database systems. Review of Applications: Will begin 2/15/98. Start Date: 5/98. Contact: Submit letter of application, resume, academic transcripts, and three letters of recommendation to: James Gilbert, University of Maine, Room 210, 5755 Nutting Hall, Orono, ME 04469-5755.

Financial Administrator, Cooperative Extension. Full-time, fiscal-year position on the Orono campus. Qualifications: Required: Bachelor's degree, Master's in finance or closely related field preferred. Must demonstrate: skill in preparing financial statements, administering complex resources, and overseeing related personnel; interest and understanding of organizational communications and technology; ability to work independently and as a team member; ability to be self motivated and directed; ability to work with all segments of a University community. Excellent oral and written communications skills and a commitment to serving diverse audiences and supporting equal opportunity and affirmative action goals. Ability to travel, usually requiring a valid driver's license, both in-state and out-of state. Preferred: Background and experience in Cooperative Extension or higher education. Review of Applications: Will begin 1/30/98. Contact: For complete job description with detailed statement of additional qualifications and application packet requirements, contact Sandra Vaillancourt, Room 203, 5741 Libby Hall, Orono, ME 04469-5741. Telephone: (207)581-3191; Fax: (207)581-3325; email: sandyv@umce.umext.maine.edu

Assistant Professor (Public Financial Management), Department of Public Administration. Tenure-track appointment. Qualifications: Required: Prefer Ph.D. in public administration or closely related field, with some experience in teaching and evidence of research potential. The department's focus and strength is in state and local government policy and management. Considered: Areas of specialization such as, but not limited to, health administration or nonprofit organization management. Review of Applications: Will begin 2/13/98 and continue until the position is filled. Contact: Send letter of application, curriculum vitae, transcripts, and three letters of recommendation to: G. Thomas Taylor, Chair, Department of Public Administration, University of Maine, 5754 North Stevens Hall, Orono, ME 04469-5754. Fax: 207/581-3039.

Dean, College of Business, Public Policy and Health. Qualifications: Full-time, administrative position reporting to the Vice President for Academic Affairs/Provost. Required: Earned doctorate in a business-related field; qualifications and achievements consistent with a tenured faculty appointment, preferably at the Professor level; proven background of outstanding leadership and achievement; record of substantial successful administrative experience at increasing levels of responsibility; familiarity with AACSB accreditation standards and processes, as well as commitment to understanding and supporting the accreditation programs of other units within the College; demonstrated ability to support and participate in external fund-raising activities; evidence of commitment to shared governance and participative decision-making at the School, College, and University level; record of commitment to diversity. Preferred: Outstanding leadership skills; strong organizational, communication, and interpersonal skills; success in marketing academic programs and recruiting students; ability to articulate and advance the goals of the College. Deadline for Applications: 3/15/98. Contact: Send applications and nominations to: Business, Public Policy and Health Dean Search Committee, c/o Carole Gardner, University of Maine, Suite 201, 5703 Alumni Hall, Orono, ME 04469-5703. Telephone: (207) 581-1617; Fax: (207) 581-1633; E-mail: caroleg@maine.maine.edu

Associate Scientist, Maine Cooperative Fish and Wildlife Research Unit (CFWRU) of the Department of Wildlife Ecology. Two-year, soft money, research appointment. Qualifications: M.S. degree in wildlife science or related field required (Ph.D. preferred). Must have a demonstrated record of successfully working with large GIS datasets and publishing technical information. Salary Range: \$30,000 to \$33,000, depending on qualifications and experience. Review of Applications: Will begin 1/23/98. Start Date: Negotiable but no later than the end of March 1998. Contact: Send letter of interest, copy of college transcripts, resume, and the names (include addresses and phone of numbers) of three references to: William Krohn, Leader, Maine Cooperative Fish and Wildlife Research Unit, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755.

Assistant Director, Academic Support Services for Student-Athletes. Full-time, 11-month position. Qualifications: Required: Master's degree in sport psychology, guidance and counseling, education, psychology, or other related field; professional experience working in an NCAA Division 1 athletic academic support program; working knowledge of NCAA academic eligibility rules; and a demonstrated ability to motivate, relate to, and develop positive working relationships with student-athletes from diverse backgrounds. Preferred: Experience with NCAA Life Skills programming, substance abuse programming, and career education. Salary Range: \$24,000-\$26,000. Review of Applications: Will begin 2/9/98. Start Date: 6/1/98. Contact: Send letter of application, resume, and list of references to: Sean Frazier, University of Maine, 5747 Memorial Gymnasium, Orono, ME 04469-5747.

Staff Development & Human Resources Coordinator (Position #45), University of Maine Cooperative Extension. Full-time professional position to be housed at the Orono campus. Qualifications: Minimum Bachelor's degree, with a Master's preferred, in human development, organizational development or related fields along with relevant experience in staff development. Ability to travel, usually requiring a valid driver's license. Salary Range: \$32,000-\$35,000. Review of Applications: Will begin 1/20/98. Contact: For full job description with detailed statement of additional qualifications and application requirements, contact: Sandra Vaillancourt, Room 103, 5741 Libby Hall, Orono, ME 04469-5741. Telephone: (207) 581-3191. Fax: (207) 581-3325. E-mail: sandyv@umce.umext.maine.edu

Director of Equal Opportunity. Full-time, administrative position reporting to the President. Qualifications: Required: Master's degree and increasing responsibility and experience in affirmative action, training and experience in informal and formal complaint investigation and resolution, in addition to demonstrated success in the following areas: commitment and sensitivity in all dimensions; understanding of the university as a complex organization and ability to advocate effectively within it; knowledge of human resource practices and procedures, policy development, and proactive educational initiatives; knowledge of civil rights law and related legal and administrative processes; development of organizational strategies for preventing discrimination; facilitation and mediation skills; excellent oral and written communication skills. Preferred: An understanding of dynamics of race, gender, national origin, sexual orientation, and disability discrimination in the context of a predominantly white culture which includes Native American and Franco-American populations. Review of Applications: Will begin 2/2/98. Contact: Nominations and letters of application, including description of qualifications, vita, and contact information for 3 references should be sent to: Equal Opportunity Director Search Committee, University of Maine, Room 200, 5703 Alumni Hall, Orono, ME 04469-5703.

Child Development Associate (Position #48), (to be housed in Androscoggin-Sagadahoc County Office-Lewiston/Auburn) University of Maine Cooperative Extension. Part-time (75% time) appointment. Qualifications: Bachelor's degree in child development, human development or related fields. Working knowledge of parent-child interaction, child development and familiarity with issues that put families at risk; ability to travel, normally requiring a driver's license; and flexibility of schedules. Salary: \$18,540 (75% of full-time at \$24,000 + 3%). Review of Applications: Will begin 1/23/98. Contact: For complete job description with detailed statement of additional qualifications and application packet requirements contact: Shirley Hager at 1-800-287-1458.

continued next page

Assistant Professor of Interdisciplinary Studies. Full-time, tenure-track faculty position. Required: Ph.D. along with a history of interdisciplinary research funded through extramural sources recruited by applicant. Area of expertise should include quantitative methods in research and experimentation in the behavioral sciences, including perception and psychophysics. Review of Applications: Will begin 1/23/98. Start Date: Position available 8/31/98. Contact: Send letter of application, curriculum vitae, and three letters of reference to: D. Kimbrough Oller, Ph.D., Chair, Interdisciplinary Search Committee, University of Maine, 5754 North Stevens Hall, Orono, ME 04469-5754; email: kimoller@maine.maine.edu.

Head, Learning Materials Center (SEARCH REOPENED; REQUIREMENTS CHANGED). Raymond H. Fogler Library. Twelve-month, full-time position. Qualifications: Required: ALA accredited MLS; expertise in children and young adult literature; experience in collection development (including electronic information resources), reference service, and user education; internet experience; excellent oral and written communication skills. Preferred: Teaching certificate; supervisory experience; academic library experience; curriculum or education library experience. Salary Range: \$30,000-\$33,000. Review of Applications: Will begin 2/1/98 and continue until the position is filled. Contact: Send letter of application, resume, and the names, addresses, telephone numbers, and e-mail addresses of three references to: Joyce Rumery, Search Committee, University of Maine, 5729 Raymond H. Fogler Library, Orono, ME 04469-5729.

Programmer/Computing Specialist (SEARCH REOPENED; JOB DESCRIPTION MODIFIED). Office of Student Financial Aid. Twelve-month position. Qualifications: Required: Bachelor's degree in a technical field or extensive experience providing comparable background for the position with at least five years related work experience; excellent written and verbal communication skills. Preferred: Master's degree; previous financial aid experience. Desired: Practical experience in two or more high-level programming languages, including NATURAL, as well as experience in the design, implementation and maintenance of LAN's (Local Area Networks) and maintenance of office hardware and Personal Computer software. Salary Range: \$26,500-\$32,000. Review of Applications: Will begin 1/26/98 and continue until the position is filled. Contact: Send letter of application, resume, and three letters of reference to: Director of Student Financial Aid, University of Maine, 5781 Wingate Hall, Orono, ME 04469-5781.

Resource Development Officer (Position #46). University of Maine Cooperative Extension. Full-time, fiscal-year position (contingent upon funding) to be housed at the Orono campus. Qualifications: Bachelor's degree, Master's degree desired, with substantive experience in fund-raising, development and public relations. Demonstrated excellent verbal and written communication skills, interest and understanding of organizational communications; ability to write grant proposals and acquire external resources and work independently as well as part of a team; ability to travel, usually requiring a valid driver's license both in-state and out-of-state. Salary Range: \$40,000-\$45,000. Review of Applications: Will begin 3/2/98. Contact: For complete job description with detailed statement of additional qualifications and application packet requirements contact: Sandra Vaillancourt, Room 103, 5741 Libby Hall, Orono, ME 04469-5741. Telephone: (207) 581-3191. Fax: (207) 581-3325. E-mail: sandyv@umce.umext.maine.edu

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

SNOW LINE AVAILABLE

Information about the University's class schedule during inclement weather can now be obtained by calling 581-SNOW. A toll-free line is available by adding the 1-800 prefix. The recorded message will provide general information about postponements or cancellations due to a storm.

Union *continued from page 2*

facility could be ready by semester's end. Construction is expected to begin this summer on the addition, which will add more than 40,000 square feet. Renovations to the existing Union will be done with an eye on maintaining the historical integrity of the building. One of the hopes put forward from the Committee is that the architects will find ways to use materials and details that "celebrate the state of Maine."

The expanded, renovated Union could be ready for full occupancy by late fall 1999.

The Union was built in 1953 to accommodate the needs of 3,500 students. Today it serves more than 9,500 students.

Last spring, University of Maine System Board of Trustees approved monies for the expansion and renovation project. The \$8.8 million project includes a \$7.8 million loan from UMS. Student Government and the Association of Graduate Students endorsed a \$3.50-per-credit-hour fee for all registered students beginning the semester the addition is open for use, and continuing for the 20-year period of the loan. From UMaine, monies will be raised through private giving, income from UMaine auxiliary enterprises and student fees.

The more than 120-page Conceptual Plan for the Union represents months of work by a 24-member Memorial Union Building Committee. From the start, the Committee operated on the strong belief that the Union "should play an important role in the life of students on the campus. Building on a theme of a student-oriented institution, the location of student organizations that are the focus of the out-of-class campus activity in the Union, increased food options, and broadened social opportunities can create a sense of vitality."

Cited as a focal feature of the new and improved Union will be an atrium, "designed to be the hub of activity" with dining seating, space for vendors and other features that attract people yet accommodate the free-flow of pedestrian traffic. Upper levels of the Union are expected to overlook the atrium. Also to be featured will be an "outdoor social plaza" linking the Union with Fogler Library.

Space in the Union will focus on students and the organizations and activities that meet their needs. Among the student organizations that will find new or improved homes in the facility are Maine Campus, WMEB, ASAP, Student Government, the Graduate Student Association and the Student Alliance Heritage Center. Other important student programs such as Maine Bound would continue to be headquartered in the Union.

Services planned for the Union are lead by dining facilities, featuring a variety of food service options in four venues — a marketplace (emporium), coffee shop, food mart and pub. The marketplace — the main dining area — could offer up to a dozen different display cooking stations, seat up to 750 and serve up to 1,500 customers an hour.

In addition, a storefront mall is planned in the Union to accommodate student vendors and commercial retailers (i.e. hair salon, copy center, bike repair), a computer store and bookstore.

The Union will continue to be a popular venue for entertainment and the arts, featuring a small cinema/performance area and gallery space.

State-of-the-art technology in the Union will enhance public computer clusters and information services.

Other highlights proposed in the Conceptual Plan:

- Social and study lounges (15-35 seats each)
- Meeting rooms (including two with 100 seats each)
- Senate chamber
- Ticket office
- Commuter lounge with lockers
- Public computer cluster (100 stations). ▲

Notable features of the new system include the following:

Catalogs – URSUS

The UMS Library catalog, one of the first Web accessible catalogs, has had a software upgrade. New Web features include online requesting of library materials, much improved navigation guides, and full functions available in the text catalog. The Webpac provides transparent connections from cataloged materials to the full text of selected electronic journals and government documents. The catalog includes the holdings of the Maine State Library, the Bangor Public Library, and the Maine State Law and Legislative Reference Library.

Indexes – tools for finding what you want

Commercially produced indexes and full text databases are licensed by the libraries and may be accessed remotely from any point on the Internet through Mariner by authorized users. Now the list of licensed databases, accessible through Mariner, can be expanded to include CD-ROM collections licensed by individual campus libraries. The software provides access from within a Web browser. Software and system integration are still in testing (as of this writing) using the first 16 CD-ROM titles selected from the many hundreds in the Fogler Library collection. Stay tuned.

Subject Guides to the Internet

Call it the librarian's guide to the Internet, for that is what you find. Subject guides are searchable and browsable indexes to Internet resources, selected and annotated by Fogler librarians. The Virtual Reference desk provides links to resources and tools used most frequently by experienced Internet searchers. These resources may be customized by each library.

Government Information

A new Web site and supporting database, designed by Fogler documents specialists, to keep current government information that is rapidly being converted from print to electronic delivery. The site features an annotated directory of government information on the Internet, arranged hierarchically, but may be searched by topic, type of agency or keyword. Descriptive information includes links to government Web sites and the full text of publications.

Web Site Indexing: Open Text Livelihoods

New indexing software, Livelihoods, from Open Text (the folks whose search engine made Yahoo a global utility) supports all indexing of Web documents on Mariner, as well as Web documents at participating library Web sites. Keyword searching can be limited to resources at a particular library or collection, such as Government Information. Livelihoods underlies such services as the browsable bibliographies for the journal articles indexed in the Spatial Odyssey database (a joint publication of Fogler Library and the Department of Spatial Information Science and Engineering).

Web-based library services

Using technology to submit interlibrary loan requests, book purchase requests, and reference queries via interactive forms made available on Library Web pages reflects the changing service role of librarians. The Electronic Reserves system, launched last Spring by Fogler Library, provides for file conversion, linking and indexing of documents through the URSUS catalog. E-Reserves is now being implemented at a number of UMS campus libraries.

As a systemwide project, Mariner facilitates resource sharing and cooperative collection development among the UMS libraries. Cost benefits are derived from shared licensing arrangements for commercial databases, central support for technical implementation and maintenance of Mariner, and the collaborative development of digital resources. While Mariner is designed to provide a single point of entry to online resources for the UMS Libraries, the underlying system is flexible enough to allow each library to customize information to address the needs of its own faculty and students. Individual Web sites for campus libraries are used to pass along traditional information (library building hours, mission and objective statements, staff directories, and details of available services) as well as to create newer Web-based instruction programs, as a public relations tool, and to provide the unique image of the library for the respective campuses.

Immediate future developments call for Mariner to continue to develop and improve along several different fronts:

Creating Digital Resources

Librarians will need to determine digitization priorities, working with experts within the disciplines to select core resources that would be most valuable for the teaching of that discipline. A number of digital conversion projects are in progress or under consideration: creating a database of finding aids and

photographs describing and providing access to collections in the Special Collections (manuscripts and other selected original resources) and other archives administered by the Libraries; developing a database of text and images that links library collections with museum collections; expanding the government information database and the participants creating it . . . the list goes on and on.

The Collaborative Enterprise

Librarians will need to work jointly to realize the digital library. Pooling library resources and staff systemwide is the key to growing Mariner into a digital library that will truly serve the campuses, the University System and the citizens of Maine. Creating the organization and process that will develop Mariner will require investment, and quite a bit of give-and-take, from the Libraries and the System for collaboration to develop more fully.

Access issues / Metadata / Bibliographic Control

The costs of providing intellectual access and description on the Web are high, while questions of the appropriate level of description that enables access to resources by differing audiences are unanswered. Without fiscal resources for additional staff, librarians need to decide how to most efficiently provide intellectual access, which integrates Web technology without duplicative cataloging.

Technical Infrastructure

Librarians expect to implement a proxy server system to address issues of access authentication. Remote access of databases licensed by the University System Libraries or by individual campus libraries, electronic reserves restrictions and filtering for customized library resources are among the system needs. Librarians are pursuing the development of a search engine that will greatly expand current capabilities, and will decide on database management software that will enable them to create digital content. ▲

Classified Ads

Maine Perspective *classified ads are free to UMaine faculty, staff and students. Ads must be typewritten and include a telephone number. They will be published one week only unless otherwise specified.*

FOR SALE

AUTOMOBILE: 1987 Ford Mustang LX. 4-cylinder, automatic, overdrive, fuel injected, excellent running condition, new Good Year Eagle tires. Good shape, 112K miles. \$2,250 or BO. Call 827-2373.

AUTOMOBILE: 1985 Audi 5000S. Good snow car. Studded tires. Runs great. No rust. \$1,650. Audi parts also. VISA/MC. Call 884-8493.

HOUSE: Marlboro, 50 minutes from Orono. 1+ acre overlooking Frenchman Bay and Acadia. 160-foot deepwater frontage, 1982 custom-built home, 3BRs, 2 baths, LR, great room, attached 2-car garage. Superb views, private. \$325,000. Call 667-7152.

PUPPIES: Great Pyrenees puppies. Big, beautiful, gentle companions. Home-raised with children. AKC champion and working pedigree. Vet checked. Ready Feb. 2. Quality pet homes only. \$375. Call 866-2500.

REAL ESTATE: Small, beautiful and unique earth-sheltered house with attached greenhouse and shed on 27+ acres. Efficiently designed, utilizes alternative energy, including half solar electric. Orchard, highbush blueberries, pond, gardens and woods. Separate octagonal cabin. Frankfort. \$85,000. Call 862-5588.

FOR RENT

ROOM: Dedham/Bucksport line, Rt. 46. Rural setting, Cape house on 9 acres. Share kitchen, bathroom, etc. No smoking. No lease. Ideal for grad student. Call 843-6499 eves.

WANTED

TO RENT: Senior couple wants to escape the Texas heat. Need to rent a 1-BR apartment or house for 4-6 weeks in July and August. Call 409-295-7025.

SURPLUS SALE: The University of Maine offers for sale, on an as-is where-is basis, the following: (1) FAX MACHINE, Canon L700, plain paper, \$100; (2) MATRIX PRINTER, Star, serial port only, FREE to a good home; (3) CHIP RACK, holds 52 bags of chips, \$10; (4) CHINA PLATES and many CHINA CUPS, \$.25, each; (5) CRT DATA/VIDEO PROJECTION SYSTEMS, Electrohome mdls 4201 & 3201, 3 years old, excellent condition, projects computer data, graphics and video, \$3500 to \$4500 each; (6) RADIUS PIVOT MONITORS, 15", \$150 & \$200; (7) IBM PROPRINTER, dot matrix, \$20; (8) AIR CONDITIONER, G.E. window type, \$100; (9) set TENNIS TAPE LINES, (clay court, doubles), with measuring tape, spikes and aluminum nails, \$25; (10) BASKETBALL RIMS, \$5. Off campus inquiries are welcome. Items usually sell for the prices specified; however, lower offers are sometimes considered. For further information contact Ron Logan, Purchasing Dept., 581-2692. E-mail Logan@Maine.

Sponsored Programs

U.S. Department of Agriculture awards Higher Education Challenge Grants to strengthen undergraduate programs in the food and agricultural sciences. FY98 proposals must address curriculum design and materials development, faculty preparation and enhancement, instruction delivery systems, and/or student experiential learning.

Letters of intent are due Jan. 22; proposals, Feb. 23.

U.S. Environmental Protection Agency invites research on Regional Scale Analysis and Assessment. EPA seeks novel approaches for conducting regional scale assessments by combining data from intensive site investigations, regional surveys, and remotely sensed data, or for determining the "representativeness" of an intensively studied site within a region. Deadline: Feb. 12.

National Council for Eurasian and East European Research supports research and research-related activities in the social sciences and humanities (including history, geography, demography, and environmental studies) that contribute to understanding of current developments in Eastern Europe and the NIS and to analysis of their significance. Deadline: Feb. 16.

National Aeronautics and Space Administration, National Oceanic and Atmospheric Administration, National Science Foundation, Department of Energy, and Department of Agriculture conduct a joint program of grants for research on terrestrial ecology and global change. Multidisciplinary projects involving both experimental/manipulative and modeling efforts are encouraged. Deadline: Feb. 20.

U.S. Geological Survey invites applications to the three National Spatial Data Infrastructure Partnership Funding Programs for FY98, promoting the development and maintenance of, and access to, spatial data needed for national, regional, state, and local analyses. Applications must involve partnering between two or more organizations. Deadline: Feb. 28.

National Science Foundation makes Informal Science Education Grants for out-of-school experiences to promote interest and understanding of science, mathematics, and technology among youth and adults. Current emphases include collaborations linking informal and formal education communities, increased involvement of parents, and increased participation of under-represented populations. Preliminary proposals are due March 1.

For more information, call Research & Sponsored Programs, x1476.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE PROTOCOL AND 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 Policy 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.

IACUC Meeting Dates
February 23, 1998
March 23, 1998
April 27, 1998



**Combined Charitable Appeal
for University Employees
total to date:
\$65,000**

SEA GRANT FELLOWSHIPS IN MARINE STUDIES FOR 1998/99

As part of its commitment to marine studies, the University of Maine's Sea Grant College Program seeks to matriculate and retain excellent graduate students in various aspects of marine studies. Several research fellowships will be available for students wishing to enter or to continue graduate studies in marine programs at the University. Fellowships will be awarded for one year, with potential for one additional year. The stipend under Sea Grant is \$12,000 for nine months; Sea Grant also pays tuition. Although Sea Grant has no academic program, it will support students pursuing degrees in any of the marine fields represented at UMaine, including the oceanography, marine biological and marine policy degrees offered by the School of Marine Sciences. Seven complete copies of each nomination should be submitted to the Sea Grant Research Fellowship Committee, 14 Coburn Hall, University of Maine, Orono, ME 04469, no later than 5 p.m., Monday, March 2. Application/nomination forms and more information may be obtained from Gilda Stratton, Sea Grant Office, 14 Coburn Hall, University of Maine. Phone: 581-1435.

What's Ahead

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**"CREATING A SOCIETY AT
PEACE WITH ITSELF"**
**DR. MARTIN LUTHER KING JR.
BIRTHDAY CELEBRATION**
January 19

**"CIVIL RIGHTS
NOT SPECIAL RIGHTS"**
January 20

ROCK THE ALFOND III
January 24

**FIGHTING LEGALIZED
DISCRIMINATION BASED
ON SEXUAL ORIENTATION**
January 26

CAREER FAIR
January 29

Maine Perspective

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