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Fogler Library as finals approach.

Photo by Monty Rand

Collaborative focused on improving recruitment, preparation of high school math, science teachers

The Maine Mathematics-Science Teacher Excellence Collaborative is actively working toward its goals of improving the recruitment, preparation and support of students with strong interests in math, science and technology to help address the national shortage of math and science teachers for grades 7-12.

Funded by a \$4 million Collaboratives for Excellence in Teacher Preparation grant from the National Science Foundation, the five-year project is a joint effort of the Maine Math and Science Alliance, the University of Maine, the University of Southern Maine and the University of Maine at Farmington. Specifically, the initiative aims to increase the number of teachers prepared for secondary math/science certification and to improve the quality of the Science, Math, Engineering and Technology (SMET) education provided to pre-service teachers at the three campuses.

Principal investigators spearheading efforts at UMaine are Robert Franzosa, professor of mathematics; Herman Weller, associate professor of science education; and Mary Ann McGarry, research scientist with UMaine's Mitchell Center for Environmental and Watershed Research, and associate professor of science education.

A major component of the initiative at UMaine is establishing a networking system for math/science education majors and interdisciplinary faculty interested in advancing instruction in secondary schools, and better preparing aspiring teachers in these fields. Activities are planned to bring mathematics and sciences faculty from the various colleges, education faculty and math/science students together to develop a sense of connection and common purpose as they pursue teaching and learning.

While the number of UMaine students pursuing majors or concentrations in the life sciences is strong, there are very few students graduating each year with majors in secondary mathematics, earth science, chemistry or physics. Coupled with the high number of teachers reaching retirement age, Maine secondary schools, like those nationwide, are struggling to find qualified career educators in these essential disciplines.

In order to muster more teachers from such a small pool and to generate greater interest in teaching as a career, recruitment must be internal, as well as external, and come from all areas of campus, according to the UMaine project leaders.

"We hope that professors working with talented math and science students in all the UMaine colleges will suggest teaching as a career option to explore," says Weller. He notes that it is to the students' advantage to be informed of opportunities in teaching early in their academic programs.

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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.



UMaine grant to build coordinated response to crime, prevention

A grant from the U.S. Department of Justice will enable the University of Maine to better coordinate its response to crimes against women on campus and strengthen awareness and prevention programs.

Funded by a two-year \$302,256 grant from the Justice Department's Violence Against Women Office, the Safe Campus Project will work to develop stronger collaboration among campus and community resources to improve the efficiency of continuing education and prevention, as well as advocacy for victims of sexual assault, domestic violence and stalking.

"The goal is to provide the best possible services and continuing education we can," said Renate Klein, assistant professor of human development who wrote the successful proposal and will serve as project director. UMaine is in a good position to further integrate services because of its commitment to providing a safe learning environment and the existing high level of cooperation among campus units – from law enforcement and judicial affairs to counseling and peer education, according to Klein.

UMaine's proposal was one of 18 funded in a national pool of 120 applications in the FY 2000 grant award program. Other New England grantees this year include the University of Massachusetts-Amherst, University of Rhode Island and the University of Vermont.

Lack of safety is not a grant criterion. The goal of the program is to extend to campuses the recent developments in communities around the country to effect a so-called coordinated community response aimed at further integrating existing advocacy and prevention efforts. This is usually done by forming an interdisciplinary or multi-agency task force. The emphasis is on becoming more coordinated and

comprehensive in all advocacy and prevention efforts, to synchronize ongoing efforts and to develop strategies to stabilize innovative initiatives.

At UMaine, a broad-based Safe Campus Task Force will bring together representatives of all relevant campus services and constituents, including faculty and students, and community agencies. Its work will focus on the collaborative development of expertise and resources appropriate for and sensitive to nontraditional, international and distance education students, according to Klein. "We want to link all resources so there will be fewer and fewer loopholes," she says.

The project has three major components – victim advocacy, offender accountability and prevention. Primary outside collaborators providing coordination, expertise and resources will be Rape Response Service and Spruce Run Association, both based in Bangor,

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Dick Hill to receive honorary degree at commencement

Richard Hill, an energy expert who taught mechanical engineering at UMaine from 1946 until his 1992 retirement, will deliver the featured address at UMaine's 197th Commencement, to be held Saturday, Dec. 16.

Hill, who holds the title of professor emeritus of mechanical engineering, also will receive an honorary degree, Doctor of Science.

Approximately 466 UMaine degrees will be awarded at the commencement ceremony. One hundred fifty-seven will receive graduate degrees, 30 of which are doctorates.

UMaine President Peter Hoff will preside over the ceremony, which will begin at 10:30 a.m. in Harold Alfond Sports Arena.

In addition to Hill, other speakers will include UMaine Associate Professor of Art Owen Smith, who will deliver the Celebration of Academica. Smith, a UMaine faculty member since 1991, was the 2000 UMaine Presidential Outstanding Teaching Award recipient. Penny Harris will bring greetings from the University of Maine System Board of Trustees. Jeffery Mills, president and executive director of the University of Maine Alumni Association, will welcome the new graduates to the ranks of UMaine alumni. ▲

Enrollment ever-increasing for Winter Session classes

For the third consecutive year, enrollment is up in Winter Session. In addition, more students than ever are taking the two- or three-week courses on-line or via distance education.

As of Nov. 28, 625 students had registered for Winter Session, Jan. 2-19, compared to the 397 signed up last year at that time. Of them, 458 students will be on campus for classes, while 167 will use technology to take UMaine courses throughout the state and, in the case of on-line classes, beyond.

"Asynchronous courses are increasingly popular here at UMaine and worldwide," according to Jim Toner, UMaine's director of distance education. "With instructional new media design, asynchronous courses including streaming audio and video on the Web allow students to hear and see lectures any time and anywhere they have Internet access. In addition to the academic rigor, intellectual stimulation and community of learners students will find in face-to-face classroom learning during Winter Session 2001, on-line courses offer convenience, flexibility and freedom."

Of the 39 Winter Session courses this academic year, five are in new asynchronous formats. Last year, one asynchronous course was offered.

One of the most important trends to note is that asynchronous course offerings are not just for distance education any more.

Nationwide, it is estimated that 50 percent of students taking asynchronous courses in 2000 lived on or commuted to campus. This fall, of UMaine's 50 asynchronous courses offered through the Lifelong Learning Division, 75 percent of the students enrolled were campus-based. ▲

MAINE Perspective

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MAINE Calendar

<http://calendar.umaine.edu>

All events are free and open to the public, unless specified. Any speaker not otherwise identified is a member of The University of Maine faculty, staff or student body. Send notices of upcoming campus events to: The University of Maine Master Calendar, Public Affairs. For the most up-to-date calendar listings, see <http://calendar.umaine.edu> or call 581-3745.

DECEMBER 14 – JANUARY 19

14 Thursday

"Synthesis and Reactivity of Gold Thiolate Cluster Complexes," by Hanan Abdou, candidate for master's degree, 11 a.m., Dec. 14, 284 Aubert Hall.

"The Influence of Process Parameters on Filament Size Distribution," by Saybil Ercan, candidate for Ph.D. in chemical engineering, 1 p.m., Dec. 14, Soderberg Center, Jenness Hall.

PEAC Holiday Reception, 3-5 p.m., Dec. 14, University Club, Fogler Library. x1153.

Men's Hockey: UMaine vs. UMass-Amherst, 7 p.m., Dec. 14, Alford Arena. Admission Fee. xBEAR.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 14, Cyrus Pavilion Theatre. Admission Fee. x1755.

15 Friday

Annual Holiday Reception, hosted by President and Mrs. Peter Hoff, 11 a.m.-2 p.m., Dec. 15, President's House. x1512.

"Ocean Color Remote Sensing in Chesapeake Bay," by Andrea Magnuson, Horn Point Laboratory, University of Maryland, part of the SMS Seminar Series, 11:15 a.m.-12:30 p.m., Dec. 15, 100 Bryard Global Sciences Center. x4381.

Classes End 5 p.m., Dec. 15.

"Magical Millennium Tour," a Planetarium show, 7 p.m., Dec. 15, Wingate Hall. Admission Fee. x1341.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 15, Cyrus Pavilion Theatre. Admission Fee. x1755.

16 Saturday

Commencement, 10:30 a.m., Dec. 16, Alford Arena.

Annual Jazz and Poetry Holiday Celebration, featuring Jeffrey Wilhelm, reader; Peggy Jo Wilhelm, flautist; Laura Artesani, piano; Jim Artesani, bass guitar; and Don Barry of Old Town, drums, 7 p.m., Dec. 16, Orono United Methodist Church.

University Club Open

The University Club in the Lynch Room, Fogler Library is open for lunch 11 a.m.-1:30 p.m., Monday-Friday. Each week features different salad options. Types of soups (including a vegetarian option) and desserts change daily. Membership is required. For more information, contact Gretchen Ziemer Greenberg, University Club Manager, 581-4852 (gzieme71@maine.edu).

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 16, Cyrus Pavilion Theatre. Admission Fee. x1755.

17 Sunday

Kathy Mattea Christmas Show, part of the Maine Center for the Arts performance season, Dec. 17, Hutchins Concert Hall. Admission Fee. x1755.

Men's Basketball: UMaine vs. Norfolk State University, 1 p.m., Dec. 17, Alford Arena. Admission Fee. xBEAR.

"Magical Millennium Tour," a Planetarium show, 2 p.m., Dec. 17, Wingate Hall. Admission Fee. x1341.

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 2 p.m., Dec. 17, Cyrus Pavilion Theatre. Admission Fee. x1755.

18 Monday

Final Exams Begin Dec. 18.

Dow, Griffie and Clements Graduate Student Awards Competition: Avril Egan, Forest Management, "Fracture and Mechanics of Fracture of Resin Coated Single Wood Fibers"; Matthew Montgomery, Plant, Soil and Environmental Science, "Soil Phosphorus Bioavailability Following a Phosphorus Based Application of Municipal Sewage Sludge of Animal Manure to an Acidic Agricultural Soil"; Carin Poeschel, Marine Bio-Resources, "Stock Assessment of the American Lobster Using Non-Vented Lobster Traps, with the Development of a Juvenile Non-Vented Trap"; Fuyu Xu, Forest Resources, "Auxin-Induced Expansion Gene Expression During Adventitious and Lateral Root Formation in Conifers," 8-9:30 a.m., Dec. 18, 204 Nutting Hall. x3227.

19 Tuesday

VALIC Employee Group Meeting, with Jane Brann, VALIC retirement planning specialist, 11 a.m.-2 p.m., Dec. 19, 220 Corbett Hall.

Video: If We Had No Moon, a Jordan Planetarium Even-Odd Tuesdays program, 1 p.m., Dec. 19, Wingate Hall. x1341.

University Club Holiday Reception, for members only, featuring complimentary hors d'oeuvres and beverages, 3:30-5 p.m., Dec. 19, Lynch Room, Fogler Library. RSVP University Club manager Gretchen Ziemer Greenberg by Dec. 8.

20 Wednesday

Cinematique, an Independent Film Series, 7 p.m., Dec. 20, Devino Auditorium, Corbett Business Building. x1793.

Impromptu! Presents: Stockings Full of Song, the annual Christmas concert of the a cappella ensemble, 7:30-9 p.m., Dec. 20, Minsky Recital Hall. Admission Fee.

22 Friday

Final Exams End 6 p.m., Dec. 22.

27 Wednesday

Presidential Range Winter Mountaineering, a Maine Bound program, Dec. 27-30. Admission Fee. Preregistration required. x1794.

28 Thursday

"The Magical Millennium Tour," a Planetarium show, 2 p.m., Dec. 28, Jordan Planetarium, Wingate Hall. Admission Fee. x1341.

"The Magical Millennium Tour," a Planetarium show, 7 p.m., Dec. 28, Wingate Hall. Admission Fee. x1341.

29 Friday

"The Magical Millennium Tour," a Planetarium show, 2 p.m., Dec. 29, Wingate Hall. Admission Fee. x1341.

"The Magical Millennium Tour," a Planetarium show, 7 p.m., Dec. 29, Wingate Hall. Admission Fee. x1341.

30 Saturday

Men's Basketball: UMaine vs. Sacred Heart, 1 p.m., Dec. 30, Alford Arena. Admission Fee. xBEAR.

"The Magical Millennium Tour," a Planetarium show, 2 p.m., Dec. 30, Wingate Hall. Admission Fee. x1341.

"The Magical Millennium Tour," a Planetarium show, 7 p.m., Dec. 30, Wingate Hall. Admission Fee. x1341.

January

2 Tuesday

Men's Basketball: UMaine vs. Northeastern, 7:30 p.m., Jan. 2, Alford Arena. Admission Fee. xBEAR.

5 Friday

Ecuador Multi-Peak Mountaineering, a Maine Bound program, Jan. 5-20. Admission Fee. Preregistration required. x1794.

Women's Basketball: UMaine vs. Vermont, 7:30 p.m., Jan. 5, Alford Arena. Admission Fee. xBEAR.

6 Saturday

Bangor Symphony Orchestra Concert, featuring guest conductor Emmanuel Plasson, with concert preview by David Klocko, 2 p.m., Minsky Recital Hall, 3 p.m., Jan. 6, Hutchins Concert Hall, Maine Center for the Arts. 942-5555.

Women's Ice Hockey: UMaine vs. Yale, 3 p.m., Jan. 6, Alford Arena. xBEAR.

7 Sunday

Women's Ice Hockey: UMaine vs. Princeton, 3 p.m., Jan. 7, Alford Arena. xBEAR.

8 Monday

WebFAST Training, 2-3 p.m., Jan. 8, Devino Auditorium, Corbett Business Building. x1552.

Men's Basketball: UMaine vs. Vermont, 7:30 p.m., Jan. 8, Alford Arena. Admission Fee. xBEAR.

10 Wednesday

Men's Basketball: UMaine vs. Hartford, 7:30 p.m., Jan. 10, Alford Arena. Admission Fee. xBEAR.

12 Friday

Men's Hockey: UMaine vs. Boston University, 7 p.m., Jan. 12, Alford Arena. Admission Fee. xBEAR.

13 Saturday

Men's Hockey: UMaine vs. Boston University, 7 p.m., Jan. 13, Alford Arena. Admission Fee. xBEAR.

14 Sunday

Men's Basketball: UMaine vs. New Hampshire, 1 p.m., Jan. 14, Alford Arena. Admission Fee. xBEAR.

18 Thursday

"Getting Students to be Partners in the Learning Process," a workshop led by Joyce Weinsheimer, co-director of the Center for Teaching and Learning Services, and adjunct professor of educational psychology at the University of Minnesota; free and open to all UMaine faculty, instructors and teaching assistants; offered by the UMaine Center for Teaching Excellence and Faculty Development Programs, Houghton Mifflin Co., 8:30-4 p.m., Jan. 18, Wells Conference Center. x3472.

WebFAST Training, 10-11 a.m., Jan. 18, Devino Auditorium, Corbett Business Building. x1552.

Women's Basketball: UMaine vs. Drexel, 7:30 p.m., Jan. 18, Alford Arena. Admission Fee. xBEAR.

19 Friday

South Pacific, presented by Bangor Community Theatre, part of the Maine Center for the Arts performance season, 8 p.m., Jan. 19, Hutchins Concert Hall. Admission Fee. x1755.

Ongoing Events

Exhibits/Demonstrations/Tours

Au Claire de la Lune, exhibit of paintings by Quebec Artist Benoit Simard, through Dec. 15, Maine Center for the Arts lobby. x4220.

While the Crime Is Blazing: Paintings, Drawings and Prints, 1994-1999, works by Leon Golub, a University of Maine Museum of Art exhibit, through Dec. 16, Carnegie Hall. x3255.

Entertainment

The Marriage of Bette and Boo, a play by Christopher Durang, directed by Tom Mikotowicz, part of the School of Performing Arts season, 7:30 p.m., Dec. 14-16; 2 p.m., Dec. 17, Cyrus Pavilion Theatre. Admission Fee. x1755.

Meetings of Groups/Organizations

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

Food for Thought Series, the first Wednesday of each month, noon-1 p.m., FFA Room, Union. x1392.

Foreign Language Tables, Monday - French; Tuesday - Russian; Wednesday - German; Thursday - Spanish; Friday - Irish, 207 Little Hall. x2073.

Gay/Lesbian/Bisexual/Transgender/Questioning Discussion Group, meets every Monday, 6 p.m., Old Town Room, Union. x1793.

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

Maine Peace Action Committee (MPAC), meets every Monday, 3:30-5 p.m., Maples Building.

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

CENTER FOR TEACHING EXCELLENCE

The Center for Teaching Excellence, 212 Crossland Hall, is a resource for faculty at the University of Maine. Our mission is to promote continuing improvement in the quality of teaching and learning at UMaine.
(www.umaine.edu/teaching)

TEACHING LINKS

The theme for this installment of Teaching Links is assessment:

<http://www.aahe.org/> The American Association of Higher Education's front page has a search option-type assessment. Be prepared for pages of articles to read and links to explore.

<http://www.lgu.ac.uk/deliberations> "Deliberations on Learning & Teaching in Higher Education" is an on-line journal. Click assessment under "Generic Learning & Teaching Resources and Issues" to find articles on assessment.

<http://ericae.net/pare> From the ERIC database you can link to a peer-reviewed electronic journal, "Practical Assessment, Research & Evaluation." Search by title and type assessment.

People in Perspective

For more than a decade, Robin Arnold has been in on the ground floor of professional and personal initiatives undergoing dramatic and dynamic growth.

In the School of Marine Sciences and now in the Division of Lifelong Learning, Arnold has provided support as part of leadership teams addressing programmatic, logistic and innovative issues associated with the expansion of successful academic areas.

Personally, she has applied the same principles to her pursuit of a college education.

"I enjoy the academic atmosphere," says Arnold. "I get to work with students who are trying to make themselves better by pursuing their educational goals. In research, the University is involved in global, national, and state and local issues. Through it all, there are opportunities to make important contributions to the state."

Arnold joined the University community in 1986, working first in the School of Human Development. She transferred to the Department of Oceanography four years later, and saw the School of Marine Sciences formed in 1996.

"We went from a core oceanography faculty of 12 to a marine sciences faculty of 40 in the school," says Arnold, whose office moved from Coburn to Libby Hall in 1991. By the second year after its formation, the school initiated an undergraduate program in marine science, in addition to the existing undergraduate program in aquaculture.

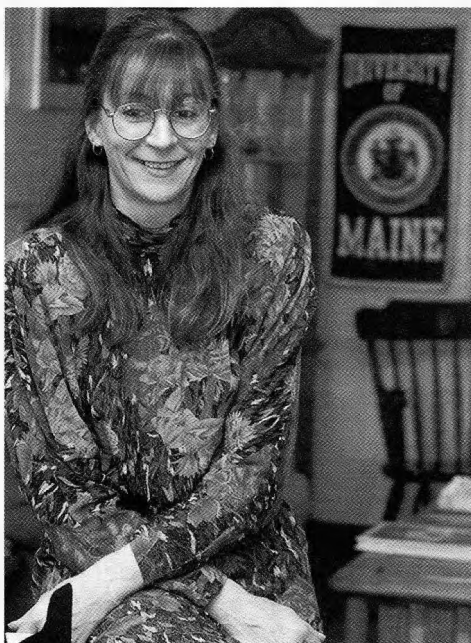
"We next expanded our graduate offerings from the existing M.S. and Ph.D. programs in oceanography to a master's and Ph.D. in marine biology, and a master's in marine policy. Also in that first year, we went from 40 to 100 research-funded accounts. What started as a support staff of one in Oceanography has become four in the School of Marine Sciences. That shows the growth."

Arnold, who started taking classes in 1998, is pursuing a bachelor's degree in geology. She maintains a 4.0 average. Arnold also hopes to earn a masters in marine policy.

The two areas address her lifelong interest in law and her love of rocks. Her goal is to study issues related to coastal erosion.

Working with Professors of Marine Geology Joe Kelley and Daniel Belknap, Arnold has spent the past year in an independent research project on the potential mechanisms for methane escape via pockmarks on the floor of Belfast Bay. She hopes to expand her study into an honors thesis.

Arnold presented her work at the National Collegiate Honors Council



Robin Arnold

Photo by Monty Rand

meeting in Washington, D.C., Oct. 18-22. She was one of 10 UMaine students to attend.

"It was the first time I've attended a national conference or done a poster session," says Arnold, who presented on the research. "As a student, it was an awesome experience. As a University employee seeing the student perspective, I'm more effective in customer services."

The opportunity to interact with students as a peer is important to Arnold. "I get to interrelate with students who have aspirations at a young age," she says. "I had a different mindset when I was in school."

This has been a chance to learn where they stand on wide ranging ideas and on life, in general.

Arnold's pursuit of a college education did come later in her life, providing a perspective of the nontraditional student experience. That vantage is now a boon for Arnold's newest position as administrative assistant I in the Division of Lifelong Learning.

"It has been great being able to relate to students who are older and starting or returning to college," she says. "This is an opportunity to work with students my age who are pursuing similar goals. Now in the dean's office, I'm able to help them out. I'm hoping I can make a difference for them."

"This is a division that advocates for students like myself. Now I can be part of that advocacy."

As a member of the support staff to the dean and assistant to the dean in the Division of Lifelong Learning, Arnold is involved in the Bachelor of University Studies Program and the newly opened Hutchinson Center. Here, her experience with the rapid growth of the School of Marine Sciences and the effort to always keep information flowing to Darling Center are particularly important.

"I was in on the ground floor of the formation of Oceanography and Marine Sciences," says Arnold. "Now I can help Lifelong Learning."

Extension program results in tons of fresh produce contributed to the hungry

Maine gardeners and farmers contributed more than 25 tons of fresh produce to food pantries this year through the Plant A Row for the Hungry (PAR) program. PAR was launched in 1995 by the Garden Writers of America and was supported statewide this year by University of Maine Cooperative Extension and a group including three Maine seed companies.

More than 400 home gardeners and farmers joined the PAR project and donated produce. Extension Master Gardeners grew thousands of pounds of fruits and vegetables in their demonstration gardens. Highmoor Farm, the UMaine Agricultural Experiment station in Monmouth, donated over 1800 pounds of peppers, Chinese cabbage, winter squash and onions from variety trials.

One individual in Phippsburg donated more than one ton of food to

the Bath soup kitchen. He was so enthused about his donations and the difference they made that he applied for and received a grant to build a greenhouse to grow greens and vegetables throughout the winter.

Seed companies that donated seeds to the program included Johnny's Selected Seeds of Albion, FEDCO of Waterville and Sterling, Allen and Lothrop of Falmouth.

Overall, the total donation is currently at 50,160 pounds with food still trickling in. Maine's contribution represents one-tenth of the national collection of 535,259 pounds for 2000.

People who manage food pantries say that the donations were critical during times when canned foods were in short supply.

Plans are being made to conduct PAR in 2001, says Barbara Murphy of the Cooperative Extension Office in Oxford County. ▲

Birds of a feather

Large water birds such as the blue heron and snowy egret are particularly fascinating to Christina Rioux. She studies their anatomy and taxonomy. She is amazed at how the legs and feet of such birds support their seemingly oversized bodies; she reflects on the beauty of the plumage, the outstretched wing, the beak.

Then she creates her own birds.

"Since kindergarten, much of my artwork has had at least one bird in it," says Rioux, who graduated in May with a degree in studio art and who is now taking independent study in sculpture, focusing on metalworking. "I'm not sure what the obsession is with birds. For hundreds of years, birds have been sought after for their prized plumage and song. I like the idea of taking bars, which have imprisoned them for so many years, and turning that into the object of ornamentation itself. I study physical characteristics of large birds, such as storks and cranes, and create my own. It is an idealization of several existing birds.

"People have started calling me the bird lady."

Most of Rioux's birds are at least six feet tall. As water birds, they stand on long, thin, sturdy legs. Each sculpture is a composite of the anatomical parts of birds Rioux has studied and admires most. You may recognize the head, legs, body, bill, wings and plumage from different species, but taken together they create a work inspired by nature, as real as it is fanciful.

The birds take shape from the ground up. Rioux uses her skills in math and physics to create legs and feet that, turned just the right way and positioned in the right angles, will support the bird's body. While Rioux may interchange her favorite bird body parts as she sculpts, the long bird legs, most often replicas of those of the blue heron, remain constant.

"I see beauty in such awkward, knobby legs," she says. "I prefer the look of polished steel. I want the flexibility of exhibiting the birds inside or out. Most people buy them for their landscapes; my latest commission is for an ornamental garden."

The Greene native got her start in art with painting and charcoal drawings. Her grandmother and great-grandmother were painters. Rioux's first exhibit of her oil paintings was in Portland in 1995.

The following year, she came to the University of Maine, the alma mater of her mother and father, William T. Rioux and Patricia J. Parent, and other relatives. Her younger brother, Benjamin, is now a second-year student in electrical engineering.

Rioux was a sophomore when she took her first art course with Assistant Professor Cristin Millett. The experience changed her approach to art and life.

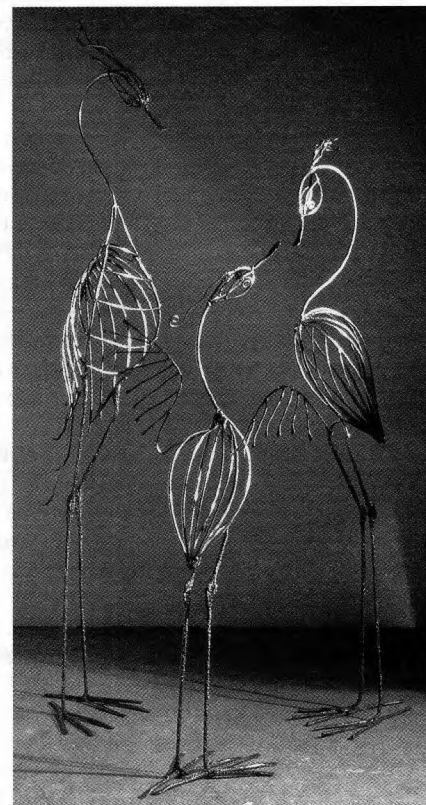
"I was curious as to how artists developed their personal styles," says Rioux. "I knew I didn't find mine in painting. While I'll always enjoy painting, it is sculpture that has inspired me. Since then, welding has held my interest.

"Welding first impressed upon me when I was young. My mother would warn me to not stare at the bright lights when watching welders on scaffolding. But ever since Cristin's classes, I've been drawn to that bright light."



Christina Rioux

The Undergrad Experience



Increasingly, Rioux has shown her work regionally. In an art show this past summer in Bar Harbor, Rioux exhibited beside artists from Boston and New York. She represented the UMaine Art Department. And she came away having one of the top-selling pieces in the show.

"I learned through my classes and independent studies that when you start to create art that means something to you rather than what you think people like, you will get better response from the public," she says. "This has held true. I now have a list of commissions."

Word of Rioux's steel sculptures is spreading. Commissioned works are now in private collections, and she is exploring the national market, putting off graduate school for at least two years.

Her goal is to continue artwork through her business, Captured Reflections. The challenge is in working on her art to eventually make it her professional career, and working in a job to make ends meet. That includes saving up to equip her studio for the welding and metalworking involved in her sculpture.

"Many artists settle with the uncertainty (of whether they can make art a career) for years, and end up forgetting the dream because art has to take a backseat to the job to earn money. I view art seriously as a profession. I am going to make this work." ▲



Erika Carpenter

Photo by Monty Rand

Arresting aggression

Teaching social skills to youngsters at an early age has long been considered the best means of heading off behavior problems later in life. But for the most part, that early intervention is in the form of reprimanding and impressing lessons in civility on children after acts of aggression, defiance or poor peer interaction take place.

Now a new UMaine study is seeking to determine if more formalized social skills training as part of the curriculum can help stem what has become a steady stream of preschoolers in Head Start being referred for psychological counseling because of aggression and other forms of inappropriate behavior. Ph.D. student Erika Carpenter is leading the research.

"It could be that children reprimanded after being in trouble don't retain information well," says Carpenter. "Formalizing social skills training by making it part of the curriculum for all children makes the learning a positive experience. Treating the whole class through curriculum-based skills training serves as prevention and intervention."

With this kind of intervention, the hope is that children will have improved behavior and greater interest in school, better academic performance, increased likelihood of staying in school and higher peer acceptance, Carpenter says. "By engaging in less anti-social behavior, the children have less chance of being hampered by peer rejection."

For two decades, the Psychological Services Center of the Department of Psychology has had a contract with Penquis Community Action Program (CAP) to provide mental health consultation services for at-risk preschoolers. UMaine psychologists assess the overall learning environments of the 26 Head Start centers in central and eastern Maine, and offer recommendations for specific children exhibiting difficulties.

From 1991-99, 40 percent of the 177 children referred to the Psychological Services Center for observation were exhibiting physical and verbal aggression, making this type of anti-social behavior a cause for concern in Maine Head Start centers.

If left unchecked, aggression in preschoolers becomes firmly entrenched in the elementary school years. Aggression has a high degree of stability from early childhood through adulthood.

"The children in Head Start are part of a high-risk population due to poverty," says Carpenter. "These kids are unlikely to get individual treatment. While parent training is the best treatment for children's aggression, low-income parents are unlikely to comply with or complete such programs. In addition, aggressive children tend to have parents who are providing inadequate supervision. As a result, we need to address the children's needs another way."

In her study, Carpenter is working with 78 preschoolers in four Head Start programs in Penobscot County. Social-cognitive skills training was incorporated into the curricula of two of the programs.

With the help of hand puppets, the teachers lead the youngsters twice a week through such scenarios as a tug-of-war over a puzzle

piece. After feedback from the children about what went wrong, the scene is recreated to demonstrate the value of sharing.

The children then break out into free play, during which a teacher works with two youngsters at a time to role play the scene using puppets, further reinforcing the social skills learned.

The social skills of Head Start youngsters were tested before the intervention program began. Following post-treatment assessment, Carpenter will conduct a three-month followup for the children.

Carpenter has an undergraduate degree in psychology from the College of William and Mary, and a master's in experimental psychology from Wake Forest. In 1997, she came to UMaine to study at one of only seven developmental-clinical psychology doctoral programs in the country. Collaborating on her research is Associate Professor of Psychology Doug Nangle.

Next year, Carpenter will spend a year at an internship program. She is expected to complete her dissertation in August 2001.

"I'm committed to the scientist-practitioner model," says Carpenter. "In my career, I hope to maintain a balance between clinical work and research. I'm hoping to work in a medical center working with behaviorally disordered children. I enjoy working with children because there seems to be more hope for improving the quality of their lives." ▲

Faces Behind the Places



Helen Lengvel joined the faculty at the University of Maine in 1924. She earned a bachelor's degree in 1927 and a master's degree in 1936. Lengvel served as women's athletic director for many years, retiring as professor emerita of physical education in 1949.



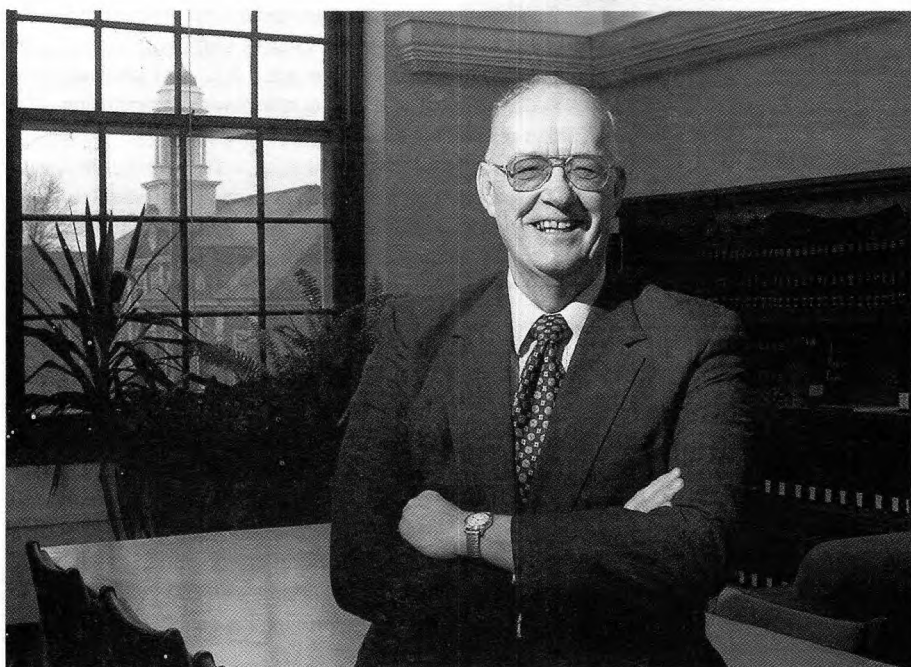
Roger Clapp, who served UMaine for 40 years as a teacher and landscape designer, earned a master's degree here. His thesis, focused on the distribution and hardiness of landscape plants in Maine, helped expand use of less well-known plants in landscapes throughout the state. His time was equally divided between teaching and creating landscaping for most campus buildings erected between 1940 and his retirement in 1969. In retirement, he still directed planting and maintenance of campus flower beds.



Clarence Little served as president of the University of Maine from 1922-1925. An internationally known biologist, Little founded the Roscoe B. Jackson Memorial Laboratory in Bar Harbor in 1929 and served as its first director. He later served as director of the American Cancer Society. Beginning in 1954, Little was scientific director of the Tobacco Industry Research Committee. His wife Beatrice, a 1924 UMaine graduate, was a member of the Board of Trustees from 1951-1965.



Henry Lord, a business leader and politician described as "one of the most kindly, genial and sympathetic men," received national recognition as an authority on merchant shipping. In 1868, Lord and his brother Edwin established the shipping firm Henry Lord & Co., which became famous along the Atlantic Seaboard. Lord was elected to the Board of Trustees in 1891. Lord Hall, when it was named, was the mechanical engineering building.



Alan Reynolds

Photo by Monty Rand

Being There

Alan Reynolds proudly tells you that he got his first of three diplomas from the University of Maine in 1943. Then he pauses, just long enough to savor the moment.

"That's when I graduated from preschool in Stevens Hall," he says with a smile, knowing he's just delivered yet another of his infamous one-two punches.

The exchange speaks volumes about the man who has been at the helm of University of Maine Public Safety for 26 years. The man who has committed 32 years to keeping the campus safe, and who has spent more than a half-century watching the dynamic growth and dramatic growing pains of the largest public university in the state.

The majority of people who come and go from the campus community know Reynolds as part of the administration. UMaine's top cop. But those with any longevity at the University know Reynolds as a law enforcement professional who never forgets his personal priorities. People. His family. Faith. And humor.

Beyond the perception of cool indifference that comes with law enforcement is a caring advocate for the University and the people he's sworn to protect. Through the years, and the administrations of seven UMaine presidents, Reynolds has developed a reputation as being the ultimate straight-shooter. He has earned respect for his candor, his ability to see the big picture, and his willingness to be realistic and work hard to find ways around difficulties that arise.

As a colleague put it, Reynolds "can reflect seriously on the way things were, and he can appreciate the way they are."

At the end of this month, after being connected one way or another to the University for a lifetime, Reynolds will retire. A new chapter in public safety will begin at UMaine, informed by the University history Reynolds witnessed and, in his own way, helped to shape.

To recap the highlights of Reynolds' years at UMaine is to review some memorable moments in the University's history. It would require a book to capture them all. Chapters might include . . .

The Early Years

Reynold's father, Cecil, joined the UMaine faculty shortly after Arthur Hauck became president. Reynolds attended preschool in Stevens Hall, the same building in which his father's office was

located in the English Department. Cecil Reynolds taught freshman English, and courses on the Bible and mathematics. He retired in 1976.

Growing up in the town of Stillwater, the campus was Reynolds' playground. "The only building on the mall at the time was Stevens Hall," Reynolds says. "As a kid, I always was playing in the apple orchards where Hilltop and Somerset are now. The only building up there was a shack where they kept dynamite used in construction. An outdoor skating rink with a warming hut was located on the site of the tennis courts."

As a youth, Reynolds attended UMaine football games in a stadium with concrete seats, located on the site of today's Dunn and Corbett halls. He regularly accompanied his parents to women's basketball games on the second floor of Alumni Hall, and on trips to the bookstore and barbershop in Fernald.

Reynolds enrolled at UMaine in 1957 to major in civil engineering.

"When I was a freshman, you got a decal for a certain parking lot. My father didn't drive, so I drove him to Stevens, then tried to park there. If I got caught, security made me go back to Memorial Gym lot."

While Reynolds lived at home during his first year of college, most of his friends lived in Hart Hall. "I still remember the proctors coming around at 9 and telling us it was time to leave," he says.

Being Away and Coming Home to UMaine

After a year at UMaine, Reynolds went into the service, where he was trained as a medic. When he returned home, he worked in area hospitals.

In 1963, he joined the Old Town Police Department as a part-time officer.

Reynolds returned to the campus he knew so well for one of the most memorable events of his career — the campus appearance of President John F. Kennedy. Oct. 19, 1963, Kennedy was awarded an honorary degree as part of Homecoming activities.

The night before the event, a bomb threat to blow up the football field sent area law enforcement officers rushing to campus. Reynolds had never seen so many state troopers and secret service agents in one place.

continued on page 15

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Decomposing pesticides with zeolite

A team of UMaine chemists has reported that exposing pesticide-contaminated water to natural light and a mineral known as a zeolite can dramatically speed up the break down of the pesticide. The finding could be useful in developing technologies for protecting drinking water supplies or improving environmental quality.

Among the pesticides studied was malathion, which has been shown to kill lobsters in laboratory studies by other UMaine researchers and is suspected of being a contributing factor in the recent deaths of lobsters in Long Island Sound. Malathion had been sprayed in the New York area to control mosquitoes thought to be carrying the West Nile virus.

The team, led by Howard Patterson, professor of chemistry, reported its findings to the annual meeting of the American Chemical Society in August. Other scientists participating in the research are Sofian Kanan, a former Ph.D. student of Patterson's and currently a postdoctoral researcher in the Laboratory for Surface Science and Technology (LASST) at UMaine, and Marsha Kanan, a master's student. Kanan is continuing research to determine if the zeolite technology can also speed decomposition of pesticides in gaseous form.

Zeolites are naturally occurring volcanic minerals. Because of their honeycomb structure, they can absorb other materials, much as a sponge absorbs water. They are currently used in a variety of industrial processes and products, such as cat litter, shoe deodorizers, and aquarium and pond filters.

In laboratory experiments at UMaine, the team tested insecticides that are commonly used in agriculture, and that have been detected in rivers and drinking water supplies in the United States. Each compound breaks down naturally in sunlight, but the decomposition process showed "astonishing increases in the rate of each reaction" when an A-type zeolite was present, the team reported.

The reaction rates for malathion, carbofuran and carbaryl were 35, 120 and 164 times faster, respectively, than the rates for those compounds when the zeolite was not present. Zeolites have well-defined pore and channel structures that work by capturing pesticide molecules and enabling light to disrupt chemical bonds.

"It's important to find the zeolite with the right size channels and surface chemistry," says Patterson. "You want it tailored to the size of the molecule that you want to break down. A pesticide molecule enters a zeolite channel and fits snugly, like a hand in a glove. When you expose it to light, a reaction occurs, and the pesticide molecule breaks apart."

Zeolites are commonly used in the petroleum industry, but the UMaine team may be the first to study the technology for reducing pesticide concentrations in water, Patterson notes.

The decomposition process is consistent with a conceptual model proposed by Kanan, Patterson and other researchers to explain the break down of another compound in a zeolite. According to an article published this year in *The Journal of Physical Chemistry B*, light affects the chemical bonds that hold nitric oxide within a zeolite, and lead to the release of oxygen and nitrogen gas.

The model predicts that compounds with a certain size and surface charge can be degraded by this method. Further laboratory observations have confirmed the model, they note.

Participating in the nitric oxide research were Mohammad Omary of UMaine, and Masaya Matsuoka and Masakazu Anpo of the University of Osaka Prefecture in Japan.

Fogler expanding resources to support Maine's scientific and business communities

With support from the state legislature, Fogler Library is making the latest published scientific research more accessible to Maine citizens. Since being designated as the state's Science, Technology and Business Library last year, Fogler has gained new access privileges to three research databases for every computer user in the state.

The new databases include BIOSIS Previews and Zoological Record, two of the most comprehensive sources of information for people working in biotechnology and other biological fields. BIOSIS Previews covers the last 30 years of research published in more than 6,000 journals, as well as conference proceedings and patents. Zoological Record contains research references going back to 1978.

Recently, Fogler Library added ITKnowledge to the statewide collection. This new resource provides access to more than 2,200 full-text books and documentation from leading information technology publishers. Subjects include programming and Web development, telecommunications, operation systems, and intra- and extranet development. Users can search across the collection by topic and keyword. New and updated titles are added monthly.

The on-line databases are now available at <http://libraries.maine.edu/scitechbus/default.htm>. Access to them was procured through the efforts of Elaine Albright, dean of cultural affairs and libraries, and Gary Nichols, Maine state librarian.

During its 1999 session, the legislature provided \$175,000 for new information resources, equipment and staff. "Procuring these databases for our statewide research users is the first step in what we hope is an ever-expanding list of resources for Maine's science, technology and business communities," says Albright.

"These new databases are a real plus for anyone interested in biological research and information technology," says Jim Bird, department head of the Science and Engineering Center in Fogler. "They will definitely enhance our state's research capabilities. They will also be of tremendous help to college- and university-level students as they research topics and prepare papers."

Bird notes that BIOSIS Previews and Zoological Record will accommodate only up to five simultaneous statewide users. "Word is getting out. It's rare for all five slots to be filled at one time, but that's happened three times in the past few days," says Bird.

Access to the two biological sciences databases will be available until June 2001. At that point, the statewide contract will have to be renegotiated with the possibility of a substantial increase in price. Bird requests that users send him feedback on the usefulness of these databases via e-mail (Jim.Bird@umit.maine.edu).

Users can also take advantage of on-line Research and Subject Guides that provide selected lists of reference materials housed in Fogler, as well as sites on the Internet that pertain to a host of subjects in science and technology. The guides include specialized resources that reflect the research and academic interests at UMaine. Among the topics covered by the guides are agriculture, environmental science, engineering standards, food science and nutrition, and patents and trademarks. The complete list of Research Guides can be seen at <http://libraries.maine.edu/orogeneral/guidestop.htm>. The complete list of Subject Guides is available at <http://libraries.maine.edu/umaine/subjectguides.htm>.

Because of Fogler Library's designation as Maine's Science, Technology and Business Library, it is now poised to provide significant support to the state's scientific and business communities. ▲

Collaborative *continued from page 1*

Curriculum reflection and change, in light of research on teaching and new state and national learning standards, are also key.

"Our faculty needs to exemplify, support and provide interactive models for teaching math and science," says Franzosa. "We would like to see students get a bigger picture of what math is, how it works and impacts their lives."

For instance, interested faculty could develop a new course that is based on the theory and techniques that NSF considers the best practice, or on other new programs designed to meet national standards.

Aspiring teachers in particular must be exposed to instruction that reflects a variety of techniques to reach all students, as required in the Maine Learning Results and the instructional standards of many other states, the project leaders agree.

The Collaborative will work in conjunction with campus resources, such as the Center for Teaching Excellence, toward improving the quality of teaching at all levels, according to McGarry. "We want to create a broad-based climate of support for students and opportunities for faculty to be involved in a variety of ways," she says.

Initiatives will be guided by Cross-Tier Teaching Teams of science, mathematics, engineering, technology and education faculty, and pre-service, beginning and exemplary grade 7-12 math/science teachers. The organizers hope to form four teams of 10 members each to help promote and advance the project goals.

Specifically, the teams will be conduits for greater collaboration, understanding of needs and sharing of information about effective teaching. In addition to the vital communication and support role, team members will each be asked to create an action plan to examine at least one aspect of their courses, based on recent research on the teaching and learning of mathematics and science, and assess how it might be done better. The plans would be shared with team members and more broadly through other project activities and outlets.

The project leaders encourage faculty involvement and support at any level of participation. Opportunities for involvement and a continuing stream of information is available through the SMET Network (www.umeedu.maine.edu/coehd/mmstec/). The interactive Web site will feature a calendar of coming events, team action plans, a database of faculty expertise and interests, descriptions of innovative teaching strategies and other relevant information.

A mid-year kick-off conference for team participants from all three campuses is planned for January. An April conference for UMaine undergraduate science and math education majors will highlight model teaching in sessions presented by exemplary teachers. And summer academies for math-science educators at all levels, to be conducted by the Maine Mathematics and Science Alliance, will combine and feature the SMET initiatives and work of the three campuses.

Among other objectives, the MMSTEC project will work to:

- ▼ Hire a tenure-track faculty member serving jointly in the Department of Mathematics and Statistics, and the College of Education and Human Development to help manage the grant. The position, which also calls for teaching innovative courses in mathematics education, will be funded by the University at the end of the grant period.

- ▼ Establish an internal recruitment program to inform math, science, engineering and technology students about teaching as a career alternative.

- ▼ Form a Future SMET Teachers of Maine group at UMaine.

- ▼ Encourage SMET instructors to incorporate the 10 performance standards defined by the Maine Advisory Committee for Results-Based Assessment for the Initial Certification of Teachers. ▲

Media Spotlight

Kling in *LA Times*

Linda Kling of the School of Marine Sciences faculty was quoted in a Nov. 13 *Los Angeles Times* story about California's only halibut hatchery. A series of events have led to an uncertain future for the hatchery, which Kling says is worth preserving.

Moring in *Boston Globe*

A Nov. 14 *Boston Globe* story about the federal government's designation of the Atlantic salmon as an endangered species included comments from John Moring, a professor of zoology. He pointed out that the salmon's mobility complicates the issue of how regulations will be applied.

Thomas in *Minneapolis Star-Tribune*

A *Boston Globe* story, which also ran in the Nov. 6 *Minneapolis Star-Tribune*, included quotes from Sydney Carroll Thomas of the College of Education and Human Development faculty. The story deals with ways in which parents can help children who have trouble fitting in and making friends.

Goodell in *Business Week*

The Nov. 6 issue of *Business Week* included a UMaine news release about a patent resulting from the research work of a team led by Forest Resources Professor Barry Goodell. The researchers developed a chemical process that can be used to clean up industrial wastewater or to bleach wood pulp and recycled paper without generating toxic by-products.

Henry in *New York Times*

UMaine Admissions Director Jonathan Henry was quoted in a Nov. 12 *New York Times* article, "Scholarships Are Playing a New Role." In the story, Henry says that the admission recruitment process is taking on a "Wal-Mart or priceline.com mentality, with upward pressure to discount and 'meritize' everyone" seeking scholarships. It also mentions Henry's concern that this consumer-like pressure is leading to need-based scholarships being depleted to support growing merit-based award programs, directly affecting lower-income families in the college selection process.

Ken Nichols featured in *Toledo Blade*

An Oct. 29 *Toledo (Ohio) Blade* story about people who are continuing to work past age 75 includes comments from Kenneth Nichols of the public administration faculty. In the story, Nichols discussed the reasons why most of the people in that group are men.

Camire cited in *Cincinnati Enquirer*, *Jump*

Mary Ellen Camire of the Food Science and Human Nutrition faculty was quoted in an Oct. 29 *Cincinnati Enquirer* story about the nutritional value of beets. She also was cited in the December issue of *Jump* magazine concerning the ineffectiveness of aroma patches for weight loss.

Book Ends

New & Noteworthy at the University Bookstore

Books make great gifts and they are still 25 percent off through Christmas. Some suggestions:

Life: Century of Change: America in Pictures 1900-2000 by Richard Stolley, Bullfinch (2000). In more than 700 remarkable photographs gathered from around the world, this ambitious book unfolds the last century in chapters, each exploring a separate theme: home, machines, lifespan and medical advances, design, family and more.

One Nation: Patriots and Pirates Portrayed by N.C. Wyeth and James Wyeth, Bullfinch/Farnsworth (2000). With essays by Tom Brokaw and David Michaelis, this beautiful book is the catalog for the most recent exhibit at the Farnsworth in Rockland.

The Beatles Anthology, by The Beatles, Chronicle Books (2000). Here, for the first time in print, is the history of the Beatles – by the Beatles. A once-in-a-lifetime collection of The Beatles' own memories, this book is a 'must-have' for all Beatles fans.

Of Note: Our Holiday Sale is in full swing. Take 25 percent off all general books, clothing and UMaine gifts.

- ▼ Textbook Buyback is Dec 11-23

- ▼ Winter Session books go on sale Dec 11

Theodore Coladarci, professor of educational psychology, R. Ervin and D.L. Silvernail: *Local Evaluation of the Maine Educational Assessment: A Framework for Examining the Relationship Between MEA Scores and Other Indicators of Academic Outcomes in Maine Schools*, Occasional Paper No. 36. Orono, ME: College of Education and Human

Development, University of Maine (2000). In addition, Coladarci et al: *Measured Measures: Technical Considerations for Developing a Local Assessment System*, Augusta, ME: Maine Department of Education (2000).

Suzanne Dwyer, psychology graduate student, and **Alan**

Rosenwasser, professor of psychology: "Effects of Light Intensity and Restraint on Dark-Pulse-Induced Circadian Phase Shifting During Subjective Night in Syrian Hamsters," *Journal of Biological Rhythms*, 15:491-500 (2000).

Mary Dickinson Bird, instructor of science education in the College of Education and Human Development: "Talk Less, Say More," *Science and Children*, 38(4):47-50.

J. Piotr Noworyta, postdoctoral fellow, **Jayendran Rasaiah**, professor of chemistry, and former graduate student **S. Koneshan**: "Structure of Aqueous Solutions of Ions and Neutral Solutes at Infinite Dilution at a Supercritical Temperature of 683K" and "Dynamics of Aqueous Solutions of Ions and Neutral Solutes at Infinite Dilution at a Supercritical Temperature at 683K," *Journal of the American Chemical Society*, 122:11182-93 and 11194-11198 (2000).

Michael Howard, professor of philosophy: review of John O'Neill, *The Market: Ethics, Knowledge and Politics*, in *Ethics*, pp. 853-55 (July 2000).

Howard Segal, Bird and Bird Professor of History: "Planes, Boats, and Trains: Children's Books on Technology and How Things Work," *Nature* (London), 408: 515-16 (November 30, 2000).

Marisue Pickering, professor of communication sciences and disorders, and cooperating professor of education: "Mentoring Clinical Faculty," *The Challenge of Changes: Proceedings of the Annual Conference of the Council of Academic Programs in Communication Sciences and Disorders*, pp. 22-29 (April 2000). In addition, Pickering and Lindy McAllister, speech pathology course coordinator, Charles Stuart University, Albury, Australia: "A Conceptual Framework for Linking and Guiding Cross-Cultural and International practice in speech-language Pathology," *Advances in Speech-Language Pathology*, 2(2):93-106 (2000).

Sandra Sigmon, associate professor in the Psychology Department, **D.M. Dorhofer**, **K.J. Rohan** and **N.E. Boulard**: "The Impact of Activity Sensitivity, Bodily Expectations, and Cultural Beliefs on Menstrual Symptoms Reporting: A Test of the Menstrual Reactivity Hypothesis," *Journal of Anxiety Disorders*, 14:1-20 (2000). In addition, Sigmon, Dorhofer, Rohan, **L.A. Hotovy**, Boulard and **C.M. Fink**: "Psychophysiological, Somatic, and Affective Changes Across the Menstrual Cycle in Women with Panic Disorder," *Journal of Consulting and Clinical Psychology*, 68:425-31 (2000). Sigmon, Rohan, Boulard, Dorhofer and **S.R. Whitcomb**: "Menstrual Reactivity: The Role of Gender-Specificity, Anxiety Sensitivity, and Somatic Concerns in Self-Reported Menstrual Distress," *Sex Roles*, 43: 143-61 (2000). Rohan and Sigmon: "Seasonal Mood Patterns in a Northeastern College Sample" *Journal of Affective Disorders*, 59: 85-96.

Lewis Tagliaferre and **Susan Greenwood**, lecturer in sociology: "Fuel Cells Now, Part II," *Electrical Contractor*, 65(11):64-70 (November 2000).

Winter parking on campus

UMaine's winter overnight parking ban will be in effect from now through May 1, according to the Department of Public Safety. With one exception, faculty, staff and commuter parking areas are closed to overnight parking (defined as midnight-6 a.m.) during this period every year. Under UMaine's new parking regulations, the faculty/staff parking lot located to the north of Hilltop Commons is designated as the lot for staff and commuter overnight parking during the time when winter rules are in effect.

Those with questions should either consult a parking map, or call the Parking Office, 866-0290, or the Public Safety dispatch, 581-4040. A vehicle parked in violation of the ban will be towed at the owner's expense.

VOLUMES

Recent Works by University of Maine Authors



Northeast Folklore: Essays in Honor of Edward D. Ives

Edited by Pauleena MacDougall, David Taylor
(University of Maine Press and Maine Folklife Center 2000)

Northeast Folklore: Essays in Honor of Edward D.

Ives is an introduction to the songs, stories, poetry, boat-building, wood carving, rumrunning and other folk traditions found in Maine and the Maritimes. The folk traditions are documented in 19 essays by some of the nation's leading folklore specialists and archivists as they pay tribute to Edward "Sandy" Ives, the foremost authority on the folklore and folksongs of the Northeastern lumber woods.

Essays in the 438-page volume address topics and places that figured prominently in Ives' career. They not only add to Ives' scholarly legacy, but reflect the influence of his style on the authors. That inimitable style includes the use of introspective accounts of the fieldwork experience, respect for informants' perspectives and language, and a seriousness of purpose "combined with a healthy sense of humor and lack of pomposity."

After 48 years in the classroom, all but four of them at UMaine, Ives retired in 1999. Throughout his career, he has made extraordinary contributions to folklore scholarship, field research methodology, and the preservation and presentation of the cultural traditions of northern New England and Canada's Maritime provinces.

Northeast Folklore is edited by Pauleena MacDougall, associate director of the Maine Folklife Center at UMaine, and David Taylor, a folklore specialist at the American Folklife Center, Library of Congress, Washington, D.C. Both are alumni.

Faculty Technology Stipends: Summer 2001

The Department of Information Technologies announces the availability of \$15,000 for Faculty Technology Stipends. The stipends awarded will range from \$1,000-\$1,250, and are intended to support interested faculty members in the research and development of technology-based resources for their courses.

Proposals are solicited for projects that produce direct and significant improvement in undergraduate teaching and learning by using technology. Faculty members, with or without computer skills, are encouraged to present proposals for stipends to integrate technology applications into the curriculum. Collaborative projects are also encouraged. Technical assistance and resources will be available at IT's Faculty Technology Development Center, 108 East Annex.

All faculty who will be teaching at the University in the academic year 2001/2002 are eligible to apply.

Procedure: An application form (www.ume.maine.edu/tech/stiappl.html) and project description should be submitted. The proposal must include:

- ▼ description of the project
- ▼ discussion of expected results
- ▼ impact on the process of learning for students enrolled in the course

Upon completion of the project, each grant recipient will be required to participate in the Annual Faculty Technology Fair in November 2001. At the fair, recipients will present their projects to colleagues and share results with other members of the campus community. A written report on the results must be submitted to the Department of Information Technologies. Reports should include the evaluation of results of your project in terms of affected courses, number of students reached, and the impact on your course pedagogy.

Deadlines:

- ▼ proposals - March 16
- ▼ project completion - Aug. 31
- ▼ final report - Sept. 30

Send your proposal and application to Andrei Strukov (andrei@umit.maine.edu), Faculty Development Center, 108 East Annex. Telephone: 581-1925. Visit us at www.ume.maine.edu/tech

Michael Howard, professor of philosophy, was a respondent to papers on his book, *Self-Management and the Crisis of Socialism*, at the Marxism 2000 conference, University of Massachusetts-Amherst, Sept. 24-26. He also responded to papers on his book at the Radical Philosophy Association Fourth National Conference, Loyola University, Chicago, Nov. 2-5.

Merrill Elias, professor of psychology, has been elected to Fellow in the Council on High Blood Pressure of the American Heart Association, effective Oct. 22, 2000.

Richard Blanke, professor of history, attended the Duquesne History Forum's Conference on Ethnic Cleansing in 20th Century Europe, Pittsburgh, Nov. 16-18, and presented a paper: "Polish-speaking Germans' and the Ethnic Cleansing of Germany East of Oder-Neisse, 1945 and After."

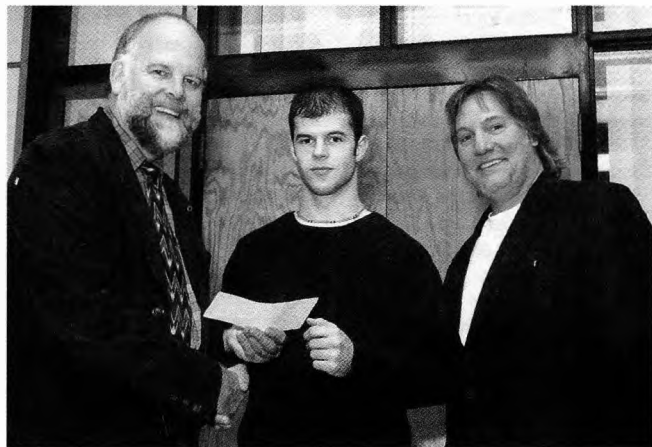
James Gilbert, chairperson and professor of wildlife, attended the Annual Meeting of Atlantic Scientific Review Group for federal research and management of marine mammals in Lajas, Puerto Rico in November.

Daniel Harrison, professor of wildlife, gave a presentation, "Distribution, Extent and Connectivity of Potential Habitat for Wolves in Maine and Eastern Canada," along with **Theodore Chapin**, former wildlife graduate student and research assistant, and **Christopher Hoving**, wildlife graduate assistant. Harrison also presented "Influence of Dispersal on Social Ecology of Coyotes: Do Social Pressures or Prey Size Promote Pack Formation?" at the Carnivores 2000 Conference in Denver in November. In addition, Harrison gave a presentation, "Wolf Ecology, Habitat Potential in Maine and Behavior of Wolf-hybrids," to the 7th grade science and literature classes at the Reeds Brook Middle School in Hampden.

Marisue Pickering, professor of communication sciences and disorders, and cooperating professor of education, presented an invited seminar, "Scholarship and the Clinical Professional," to the Human Communication and Deafness Group, University of Manchester, England, Oct. 31.

In a Sept. 13 ceremony at the Lucerne Inn, the Education Foundation of AGC of Maine inducted Professor **Chuck Gould** as a Fellow, and also awarded him a lifetime honorary membership in the Associated Constructors of Maine. Funds raised by the Education Foundation to support Professor Gould's Fellowship are used to endow scholarships awarded by the Education Foundation to students enrolled in construction related programs in higher education throughout Maine.

Faculty from the Department of Plant, Soil and Environmental Sciences recently presented a number of papers at the national convention of the Soil Science Society of America in Minneapolis, Nov. 3-10. The papers included: **Ivan Fernandez**, professor of soil science and department chair; **Lindsey Rustad**, USDA Forest Service and faculty associate; **Jennifer Evans**, University of Washington; **Steve Norton**, professor of geological sciences; and **Steve Kahl**, George Mitchell Center, "Distribution of Soil N at the Bear Brook Watershed in Maine as Influenced by Experimental N Enrichment." Fernandez, Rustad, Norton and Kahl, "Does Elevated Atmospheric Deposition Cause Ca Depletion in New England Forest Soils? Evidence from a Whole Watershed Manipulation Experiment." **Stom Ohno**, associate professor of soil chemistry, "Effects of Phenolic Acid Oxidation and Complexation on Phytotoxicity." **Angsana Tokitkila**, graduate student in soil science; **Susan Erich**, associate professor of soil chemistry; **Wayne Honeycutt**, USDA ARS and faculty associate; and **Tim Griffin**, associate Extension professor, "Rotation Crop Effects on Selected Soil Properties in Potato Cropping Systems." **Derek Appel**, graduate student; Dave Huggins, USDA-ARS, Washington State University; and **Eric Gallandt**, assistant professor of weed ecology and management, "Establishment of Alternative Crops No-Till Seeded into Wheat Stubble." **Teresa Johnson**, postdoctoral scientist; Pam Frohne, microbiologist; Ann Kennedy, Research Leader, USDA-ARS; Pat Fuerst, postdoctoral scientist, Washington State University; and Gallandt, assistant professor of weed ecology and management, "Microbial Colonization of Wild Oat Seeds Under Controlled Conditions."



UMaine first-year student Todd Jackson of Cortland, N.Y., is the winner of this year's Dorothy Clarke Wilson Peace Writing Competition. On hand to congratulate Jackson, center, and to present the \$500 award are Dwight Rideout, left, dean of students, and Rev. Bill Friederich, the newly named minister of the Wilson Center, which sponsors the writing competition. Jackson came to UMaine from Ann Arbor, Mich., where he played for two years on the USA Hockey development team. At UMaine, he is a forward on the hockey team. Jackson started writing last year when he took a poetry class; the first poem he wrote was published in a local magazine, earning him \$20. This year, a special invitation was extended to first-year students to enter the Dorothy Clarke Wilson Peace Writing Competition. Jackson says he wrote his poem, "The Place," to "convey a powerful message in a creative form." He noted: "I think it sometimes escapes us (that) tragedies have happened and are still going on right here in America. It's easy to ignore things when they don't affect you directly, and that was the basic motivation for the piece." The long-standing annual writing competition was created by Dorothy Clarke Wilson of Orono, an internationally known peacemaker committed to research and writing on social issues and world peace.

Several members of the Department of Communication Sciences and Disorders attended the Annual Convention of the American Speech-Language-Hearing Association in Washington, D.C., Nov. 16-19, including Lecturer/Staff Speech-Language Pathologists **Joseph DiNapoli**, **Polly Camp** and **Marybeth Allen**; Assistant Professors **Suneeti Nathani**, **Judy Walker** and **Nancy Hall**; and Professor **Kim Oller**. The following were presented by CSD faculty at the ASHA conference: Oller, Nathani and Rafeal Delgado, "Standardized Training for Phonetic Transcription and Coding of Infant Vocalizations"; Walker, "Prosodic Facilitation of Syntactic Ambiguities in Subjects with Left and Right Hemisphere Damage."

D. Kimbrough Oller, professor of communication sciences and disorders, gave a conference presentation, "The Natural Logic of Communicative Possibilities: Modularity and Presupposition," to the 5th Altenberg Workshop in Theoretical Biology, Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg, Austria in October.

For a week last June, **Jayendran Rasaiah**, professor of chemistry, visited the Queens University in Belfast, United Kingdom, where he worked with Professor Ruth Lynden-Bell of the Atomic Simulation Group in the School of Mathematics and Physics. He gave a seminar on his work at UMaine, "Structure and Dynamics of Ions in Aqueous Solutions at Supercritical Temperatures." Rasaiah also was a visiting scientist in the Laboratory of Chemical Physics (NIDDK) at the National Institutes of Health, Bethesda, from July-August.

Alan Rosenwasser, professor of psychology, and **Suzanne Dwyer**, psychology graduate student, presented a poster, "Phase Shifting the Hamster Circadian Clock by 15-Minute Pulses of Darkness and Restraint," at the annual meeting of the Society for Neuroscience in New Orleans in November.

Bob Vadas, Department of Biological Sciences and School of Marine Sciences, had his long-term research activities on sea urchins cited extensively in Chapter 11 of a recent book (1999) by Sue Hubbell, *Waiting for Aphrodite*, published by Houghton Mifflin Co.

Nov. 15, C. Fred Andrus (U of Georgia) gave a paper, co-authored with Douglas Crow (U of Georgia) and **Daniel Sandweiss** (Anthropology, and Quaternary and Climate Studies) on "Anthropogenic Induration of Sediments at the Terminal Pleistocene Peruvian Site Quebrada Jaguay" at the Annual Meeting of the Geological Society of America in Reno, Nev.

Lucille Zeph, director of the Center for Community Inclusion, has been called back to Washington, D.C. for another year to serve as the executive director of the Joseph P. Kennedy, Jr., Foundation. In 1999, Zeph was selected as a Kennedy Public Policy Fellow and was assigned to serve as a Congressional Fellow with Senator Jeffords (VT), chair of the Senate Health, Education, Labor, and Pensions Committee. During her appointment in the Senate, Zeph had the opportunity to work on several important pieces of disability legislation, including the Ticket to Work and Work Incentives Act of 1999, and the reauthorization of the Development Disabilities Act. After completing her fellowship year, Zeph returned to her position at UMaine in January 2000. Six months later, the Kennedy Foundation asked Zeph to return and serve a year in its top administrative position. Zeph is on leave from the Center for Community Inclusion until September 2001. (While on leave, she can be contacted on FirstClass.) **Debbie Gilmer**, associate director, is serving as the Center's acting director during Zeph's tenure with the Kennedy Foundation.

Nov. 10, Professor of Computer Science **George Markowsky** gave an invited lecture, "Cryptography Past, Present and Future," at Southwest Missouri State University.

Steve Norton, Geological Sciences, and **Steve Kahl**, director of the Mitchell Center, attended the first meeting of the Northeastern Ecosystems Research Cooperative in Portsmouth, Dec. 5-6. They presented two papers and two posters on Maine calibrated watershed research at Bear Brook and Acadia National Park. The purpose of NERC is to foster collaboration and regional ecological assessments among about two dozen long-term research sites in the Northeast.

Brenda Power, professor of literacy, gave the keynote address, "Inquiry with an Attitude," at the Annual New Grantees Meeting of the Spencer Foundation, Albuquerque, Dec. 1-2.

Ivan Manev, assistant professor of management, presented a paper at the Academy of International Business Annual Conference in Phoenix last month. The paper, "The Effect of Nationality, Cultural Distance, and Status on the Managerial Network in a Multi-national Enterprise," co-authored with William Stevenson of Boston College.

Twelve students from the Honors Program attended the 14th annual Maine Honors Weekend, held this year at the University of Maine in Farmington, Nov. 3-4. The theme, which corresponds to the theme of the current *Maine Scholar*, was Food. **Gabriel Bell**, an Honors student in Molecular and Cellular Biology and Mathematics presented a paper, "Hotdogs Against the Kaiser" and **Amaranta Ruiz-Nelson**, an Honors student in Computer Science, presented a paper, "The Other Brain Food."

Psychology graduate students and **Jeff Hecker**, associate professor of psychology, presented the following papers at the annual meeting of the Association for the Advancement of Behavior Therapy in New Orleans, Nov. 16-19: "CBT for Body Dysmorphic Disorder: A Dismantling Investigation" by **April O'Grady**, graduate student in Psychology; **Geoffrey Thorpe**, professor of psychology; and Hecker. "Cognitive Distortions in Female Juvenile Sex Offenders: A Comparison of Sex Offenders, Non-Sex Offenders and Community Controls" by **Elizabeth Kubik**, graduate student in Psychology; Hecker; and Thorpe. "Application of the Stages of Change Model in Cognitive Behavior Therapy for Panic Disorder" by Kubik and Hecker. "Predicting Response to Self-Directed Treatment for Social Phobia" by **Kristin Maki**, graduate student in psychology; Hecker; and **Roxann Roberson-Nay**, graduate student in Psychology. "The Effects of Personality Disorder Characteristics on Response to Self-Directed Treatment for panic Disorder" by Maki; Hecker and Roberson-Nay.

Sandra Sigmon, associate professor in the Psychology Department, presented the following papers at the annual meeting of the Association for the Advancement of Behavior Therapy, Nov. 17-19 in New Orleans, along with graduate students in the Psychology Department: **Sigmon, K.J. Rohan, N.E. Boulard, S.R. Whitcomb** and **D.M. Dorhofer**, "Development and Validation of the Seasonal Attitudes Questionnaire"; Rohan and Sigmon, "Assessment of Seasonal Affective

Disorder: A Comparison of Different Methods"; Boulard, Sigmon, Whitcomb and Dorhofer, "Development and Validation of the Activity Level Questionnaire"; Whitcomb and Sigmon, "Anxiety and Coping Across the Menstrual Cycle"; Whitcomb, Sigmon, Rohan, Boulard, Dorhofer and **J. Kendrew**, "Menstrual Experience, Cultural Beliefs, and Anxiety Sensitivity."

In June, UMaine graduate student in Biological Sciences **Lindsay Seward** represented the research group of **Robert Vadas**, professor of biology and marine ecology, at an international conference on sea urchin research, "Workshop on

Coordination of Green Sea Urchin Research in Atlantic Canada," Moncton, New Brunswick. Seward shared information from Maine with colleagues from five North Atlantic countries and Chile. She also presented a formal paper, "Environmental Factors Influencing Spawning in the Green Sea Urchin, *Strongylocentrotus droebachiensis*, in Maine, USA," co-authored with Vadas; B. Beal, University of Maine at Machias; former graduate student **T. Dowling**; and **D. Townsend**, School of Marine Sciences.

We Remember

David Shoemaker

David Shoemaker, adjunct assistant professor of art and Individualized Ph.D. student in Latin American art history, died of cancer Nov. 25 at the age of 50. Shoemaker received an MBA from UMaine in 1982 and returned to his alma mater to pursue a doctorate eight years later.

Shoemaker was a dedicated and insightful scholar of the history of art in Mexico. Not only was he passionate about Mexican art and culture, but over the past decade he developed a real expertise in this area and made it his life's work. Last February, he led the first team of archaeologists to locate ancient sites in a remote region of the state of Oaxaca; he had intended to return to the same area in 2001.

Shoemaker's research was based on an exploration of historical documents, ancient maps and current geographies that he was using to locate undiscovered archeological sites. This research, funded by several prestigious grants, was to have been the basis of his doctoral dissertation. His research offers a major contribution to the field through its examination of how a colonized culture can retain its own powerful identity and voice its developing indigenous beliefs by appropriating the language of its conquerors. While centered on Mexico, his work presents a vital model for all studies of cultural interchange.

In the last few years, Shoemaker presented his research at various national and international gatherings, including conferences in Texas, New York City, Finland, Cuba, India and Mexico. Through these presentations, he established a solid reputation as an up-and-coming scholar in Latin American studies and Post-Colonial theory.

As a Hudson Museum volunteer, he devoted many hours to working with the collections and programs. He co-curated a 1999 exhibit of Mexican art, *Images for Eternity: Mexican Tomb Figures and Retablos*.

As an adjunct assistant professor, Shoemaker taught classes in Aztec Art, Mexican Muralism, and contemporary artforms, such as Magic Realism. He was a dedicated teacher; both students and colleagues respected him for his knowledge of Mexican art and the enthusiasm he brought to his subject. He was a giving and compassionate educator who cared deeply about his students.

The Department of Art has established a memorial fund in honor of David Shoemaker. Individuals wishing to make contributions may do so through the University of Maine Foundation (P.O. Box 2220, Bangor, ME 04402-2220). Checks should be made out to the University of Maine Foundation and must indicate a contribution to The David Shoemaker Memorial Fund. Questions concerning the fund should be directed to Laurie Hicks in the Department of Art, 581-3247.

Positions Available

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

FACULTY

Assistant Professor of Interdisciplinary Studies, College of Liberal Arts & Sciences. Review Begins: 1/22/01. Contact: Send letter of application; curriculum vitae; names, address, phone numbers and email addresses of three references; statement of teaching philosophy; and appropriate documentation of research; include examples of creative effort in the form of Internet URLs, CD-ROMs, Zip disks, cued tapes of no more than 10 minutes, writing samples, and/or other widely used media; and supporting materials, such as teaching evaluations, course syllabi or other pertinent information may be included. Send to: Professor Bill Kuykendall, Search Committee Chair, 5713 Chadbourne Hall, Orono, ME 04469-5713. Telephone: 207-581-4403; Email: bill_kuykendall@umit.maine.edu; Web page: www.ume.maine.edu/~newmedia

Extension Educator (Cumberland County Extension Office, Portland)

Position #78 REOPENED, Cooperative Extension. Review Begins: 12/31/00. Contact: Send letter of intent, resume, transcripts (copies acceptable), and names, addresses and phone numbers of five references to: Sandra Vaillancourt, 5741 Libby Hall, Orono, ME 04469-5741. Additional qualifications, both required and preferred, are listed in the complete job description available from Sandra Vaillancourt at the above address. Telephone: 1-800-287-0274 or 207-581-3191; Fax: 207-581-3325; E-mail: sandyv@umet.maine.edu or UMaine Web page: www.umaine.edu/hr/jobs/umce

Instructor, Department of Spatial Information Science and Engineering. Non-tenure track position with continuation contingent on funding and performance. Review Begins: 12/15/00. Contact: Send CV, cover letter describing qualifications and evidence of teaching effectiveness, along with names of three references to: Kate Beard, Chair, Department of Spatial Information Science and Engineering, Room 348, 5711 Boardman Hall, Orono, ME 04469-5711. Fax: (207) 581-2206; E-Mail: beard@spatial.maine.edu

Assistant Professor in Pediatric Nursing, School of Nursing. Review Begins: 1/15/01. Contact: Send current vitae and contact information for three references to: Elizabeth Bicknell, Chair, Search Committee, School of Nursing, 5724 Dunn Hall, Orono, ME 04469-5724.

PROFESSIONAL

Industrial Hygienist/Safety Specialist (SEARCH EXTENDED; SALARY INCREASED), Department of Environmental Health and Safety. Salary Range: \$32,000-\$38,000. Review Begins: 12/15/00. Contact: Send resume, two writing samples and the names, telephone numbers and addresses of three references to: Environmental Health and Safety Department, Room 122, 5725 East Annex, Orono, ME 04469-5725.

Farm Superintendent, Maine Agricultural and Forest Experiment Station position, based at Highmoor Farm, Monmouth, ME. Salary Range: \$29,000-\$33,000. Review Begins: 12/15/00. Contact: Send letter of application, resume, copies of academic transcripts, and names, addresses, and phone numbers of four professional references to: Stephen Reiling, Maine Agricultural and Forest Experiment Station, 5782 Winslow Hall, Orono, ME 04469-5782.

Science & Engineering – Reference Librarian, Raymond H. Fogler Library. Salary Range: \$33,000-\$37,000. Review Begins: 1/30/01. Contact: Send cover letter, resume, and names and addresses (include e-mail) of three references to: Jim Bird, Head, Science and Engineering Center, 5729 Fogler Library, Orono, ME 04469-5729.

Director of Public Safety, Vice President for Student Affairs Office, Department of Public Safety. Review Begins: 1/5/01. Contact: Send letter of interest that includes a specific and detailed description of experience, a complete resume, and names, titles and telephone numbers of five professional references to: Daniel Dwyer, Vice President for Research, Chair, Search Committee for the Public Safety Director, Room 209, 5703 Alumni Hall, Orono, Me 04469-5703. Transcripts and certification must be provided upon request. Nominations should also be sent to the above address.

UNIVERSITY OF MAINE SYSTEM

Chief Financial Officer, University of Maine System. Located in Bangor, within the System-wide Services unit. Review Begins: 12/27/00. Contact: Send letter of application, resume, and contact information for at least three professional references to: CFO Search, Office of Human Resources, University of Maine System, 107 Maine Ave., Bangor, ME 04401. E-Mail: umsjobs@maine.edu. You will find additional information regarding this position at www.maine.edu/sysemp.html

Information on Openings for Classified Positions

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

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

Crime prevention *continued from page 2*

and Men Can End Rape, a Washington, D.C. consultant group. Grant implementation is under way, and the external agencies are preparing targeted curriculum and training materials, says Klein.

In addition, the Department of Justice provides extensive technical assistance and support to grantees nationwide, such as training institutes and workshops, field visits and telephone consultation.

Specific objectives of UMaine's grant are to:

- ▼ strengthen victim advocacy
- ▼ enhance offender accountability
- ▼ upgrade and disseminate advocacy information
- ▼ provide education on gender and violence dynamics
- ▼ prepare student leaders and volunteers to address gender and violence issues
- ▼ develop resources and disseminate information to nontraditional, international and distance learning students

The improved service and educational opportunities provided by the grant are generating interest and excitement campuswide, according to Klein. "It is powerful to sit in the same room with representatives of a community working toward a common goal and to see how all the pieces fit together," she says.

The grant also funds four graduate student assistantships. These students will sit on the task force and work as liaisons between the different activities.

Creating a culture in which victims are not blamed, that quickly and efficiently provides the best services and educates everyone about prevention, as well as where to go for safety, service and support, requires a great deal of awareness raising and community building, Klein explains. "That's why we're bringing in as many players as possible," she says.

More information about the Safe Campus Task Force and planned grant activities is available from Klein, 581-3149 (rklein@maine.edu). ▲

Reynolds *continued from page 8*

"I worked detail here the next day," Reynolds says. "I was fairly young and in awe that a president of the United States was in Orono. The event I remember most became very poignant when the president was assassinated the next month."

Students Then and Now

As an Old Town officer, Reynolds interacted with some UMaine students. He quickly realized that the strict student standards in effect when he was a student still applied.

"If we picked up a University student for a violation in Old Town, we gave him the option of calling the Dean of Men John Stewart (the namesake of Stewart Dining Commons) or spending the weekend in jail. The students always opted to go to jail," says Reynolds. "They didn't want the dean to get involved and call their parents."

Reynolds was a full-time police officer in Old Town for four years before he joined campus security at UMaine in 1968. Subsequent years saw him promoted to almost every job on the staff, including investigator, sergeant and captain – the first and only police captain in University history.

He also completed his academic coursework to earn degrees in law enforcement and social work.

But when Reynolds started his law enforcement career on campus, it was clear that student life as he had known it had changed. It was a time of protests against the Vietnam War – "largely peaceful, compared to those on other college campuses," he says. But like other college campuses, drug use was on the rise.

One of the tensest moments occurred in the early '70s, when a student in Ballentine Hall was threatening to shoot passers-by, Reynolds recalls. The incident ended peacefully when the student was talked into giving up his gun.

"When I was a lieutenant, the barn burned that was located where the Farm Store is now. Almost 10 years later, Public Safety got a letter from a person who was serving time in prison out of state. He wrote a full confession about starting the fire. He wanted us to bring him back to Maine to serve his time but the district attorney turned down the request."

Reynolds served as UMaine's acting police chief for eight months in 1973-74 before being named chief.

"By the time I was chief, people were getting back to 'normal,'" Reynolds says. "There weren't a lot of protests after that. Student enrollment was increasing and drug use that was such an issue in the late '60s was fading in and out of style."

"Today, students are here to learn, studying hard and competing for the top jobs. And when they're not going to classes, they're home or at their jobs."

He Knew Them When

It is unabashed name dropping when citing the important and famous people who have visited campus in the last 25 years. Reynolds has overseen the security for just about all of them.

Spiro Agnew visited campus as vice president.

Moshe Dyan, who was not in power when he came to speak on campus, was accompanied by a high-strung body guard. Part of the security detail for the visit included Reynolds and a state detective being assigned to watch the body guard.

Jesse Jackson set accompanying law enforcement officials on edge when he strayed from the scripted performance and invited the audience to join him at the front of a lecture hall.

Diana Ross and the Supremes. The Grateful Dead. Bob Dylan.

Reynolds was once posted in the back stairwell of The Pit in the

Gym, which gave him the chance to exchange light banter with a cigar-smoking Bill Cosby.

"Performers like Ross and Cosby were just starting out in their careers, appearing at UMaine and other universities before they became stars," Reynolds says.

Ed Muskie's daughter was the only UMaine student to be under 24-hour guard while on campus.

First Lady Hillary Clinton. Secretary of State Madeleine Albright and Secretary of Defense William Cohen.

The Little Things Mean the Most

"I've enjoyed the job. It's been an interesting long career. But it's not one I planned for," Reynolds says. "I will miss the people, people who all you needed to do is call and they were there to help."

Favorite places on campus? There's not just one. "I like the Union because that's where you see our community in action. Same with the athletic areas."

"It was hard to see our (Public Safety) building missing," says Reynolds, talking about the College Avenue facility that was recently removed to make way for construction of Alumni House. "We had been headquartered there for 27 years."

In this job, says Reynolds, "you've got to remember that nothing happens that's personal. Most of the people we deal with are good, decent."

"My best advice? Don't get so serious. You've got to laugh. We don't do that enough anymore." ▲

Attention Classified Employees

Do you have a dependent child pursuing an education beyond high school? The Classified Employees Scholarship Fund could help him or her with expenses.

To qualify for these funds, the employee must be in the classified unit at UMaine; his or her dependent student must be enrolled full time (12 or more credit hours) seeking an undergraduate degree, certificate or diploma at an institution of higher education; must file an application.

Deadline for spring funds is Jan. 15; fall fund deadline is Sept. 1.

Applications are available by calling Gail Belanger, x2881, or Cheryl Spencer, x2929, or by writing via FirstClass.

Awards may be given for up to eight semesters. The amount awarded depends on the success of fund-raisers and number of qualified applicants (maximum \$200). Employees with dependents receiving funds will be encouraged to participate in the committee and its fund-raisers.

THE JOHN M. REZENDES ETHICS ESSAY CONTEST

The John M. Rezendes Annual Ethics Essay Competition has a theme of "Ethics in the Public Domain." UMaine undergraduate students are invited to submit an 8-10 page essay addressing a topic of ethical importance to the public.

The essay should describe a problem and ethical issues at stake, present a carefully reasoned and informed argument about how the problem should be approached and resolved, and respond to serious objections that might be offered to writer's point of view.

Possible topics include well-defined problems in areas of nursing and medicine, workplace, journalism and media, crime and punishment, legal treatment of drug use, sexuality, racial and ethnic relations, welfare and poverty, United States relations to others in international community, human relations to animals and environment, status of women, urban planning, censorship and arts, education, uses of technology, private property rights, among many others.

The award is \$2,500 (plus an engraved, original sculpture). In May 2000, second and third place awards were also given.

For information on eligibility, submission guidelines and evaluation procedure, contact Doug Allen, Philosophy Department.

Office of Research and Sponsored Programs has a new Web site (www.orsp.umesp.maine.edu), where faculty and staff will find such new features as an interactive PDF version of the "green sheet."

Strategic Environmental Research Development Program, conducted by a partnership of the Departments of

Defense and Energy and the Environmental Protection Agency, makes grants for research and development of environmental technologies that relate directly to the defense mission. The FY02 solicitation calls for proposals in four major areas: cleanup, regulatory compliance, pollution prevention, and conservation. Preproposals are due Jan. 9.

U.S. Department of Energy seeks proposals to develop multidisciplinary education and training programs in the area of biobased products for students at the master's or doctoral levels. Graduates will be expected to contribute to the emerging biobased products industry, to improve the efficient utilization of energy in the industry, and to enhance the environmental quality of the surrounding land, air, and water. Deadline: Jan. 17.

W.E. Upjohn Institute supports policy-relevant research on labor market issues. Current priorities focus on social insurance,

employment relationships, and low wages and public policy. Opportunities include Research Grants for projects leading to book-length manuscripts, Grants-in-Residence for research sabbaticals, and Mini-Grants for innovative research papers that have special funding needs. Deadline: Feb. 2.

International Council of Shopping Centers Educational Foundation makes grants of up to \$15,000 in direct costs for applied research related to the shopping center industry. Current priorities focus on tourism, growth management, and Internet retailing. Proposals are due March 12.

National Institute of Mental Health has announced an initiative in design, measurement, and statistical analysis in mental health research, encouraging grant applications from statisticians, psychometricians, qualitative researchers, and other experts in research methodology and data analysis, including those without prior experience in mental health research.

Council for International Exchange of Scholars plans to pilot two new Fulbright Scholar Programs in early 2001. New Century Scholars will participate in the examination of a major transnational theme and work collaboratively on a single subject or issue of global significance. Fulbright Senior Specialists will engage for short terms in a range of professional activities at a host institution abroad.

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

NSF Teaching Fellowships available

Applications for the University of Maine's National Science Foundation K-12 Teaching Fellowships are available at the Graduate School, 2 Winslow Hall. Deadline for applications is Monday, Jan. 22.

Fellowships will be awarded to 10 graduate students and two undergraduates for the 2001-02 academic year. The undergraduate stipend is \$10,000; the graduate stipend is \$18,000 plus a full-tuition waiver.

The National Science Foundation initiated this program to support the chosen studies of outstanding science, mathematics, and engineering students while enriching K-12 science and mathematics education.

For further information, contact Professor Susan Brawley, x2973, or e-mail (brawley@maine.edu).

REMINDER FROM THE FACULTY RESEARCH FUNDS COMMITTEE

The deadline for receipt of applications for the Summer Faculty Research Fund Award is 4:30 p.m., Wednesday, Dec. 13.

The award provides \$7,500 for faculty summer salaries for a minimum of 1.5 months research effort.

Contact Gayle Anderson, x1498, for information and/or the application form, or visit the Office of Research and Sponsored Programs Web site, www.orsp.umesp.maine.edu (under Funding Sources).

Send notices of events in the spring semester to *Maine Perspective* for inclusion in the campus master calendar.

Institutional Animal Care and Use Committee

The Institutional Animal Care and Use Committee (IACUC) reminds investigators/instructors that no research, teaching or testing activities using live vertebrate animals shall be initiated until IACUC has approved a protocol. The last meeting date this semester: Dec. 19.

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

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

What's Ahead



**Annual Holiday Reception
December 15**

**Commencement
December 16**

**Final Exams
December 18-22**

**Getting Students to be
Partners in the Learning
Process
January 18**

**Spring Semester Begins
January 22**

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