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## Maine Perspective, v 10, i 13

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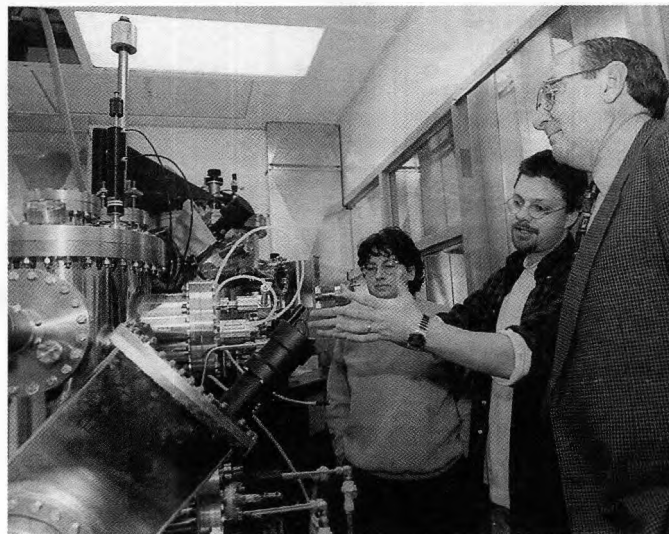
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## UMaine Receives \$10.3 Million for Sensor Research



Rachel Morehouse, a sophomore in electrical engineering, and Luke Doucette, a junior physics major, discuss their work with UMaine President Peter Hoff in the sensor fabrication lab at Sawyer Environmental Research Center. Doucette and Morehouse are two of 10 undergraduates who will be working on research funded by UMaine's latest grant for sensor science.

Photo by Kathryn Rice

The University of Maine has received a \$10.3 million grant from the U.S. Navy to continue advanced research on sensors to detect chemical and biological agents.

The program's goal is to produce very small detectors that respond very quickly, and are much more sensitive and selective than are currently available from other sensor technologies. The sensors, which could be mass produced at low cost, could be used in a variety of applications to counter weapons of mass destruction.

"The ongoing controversy over the possible exposure of American soldiers to chemical and biological weapons during the Persian Gulf War demonstrates the need to address this growing threat to our military," according to U.S. Sen.

*continued on page 14*

## University Moves Ahead on Institutional Marketing

A nearly yearlong effort to launch a major integrated UMaine marketing effort, including an image make-over, for the institution has gained momentum with the recent appointment of a vice president for University Advancement.

Susan Reardon has been named vice president for University Advancement, effective April 1. The appointment is pending University of Maine System Board of Trustees approval.

Also critical to the University's promotional effort is the hiring this spring of a marketing director. A search committee chaired by Mark Anderson, interim vice president for Student Affairs, is now reviewing applications for the new position. Candidates will make campus visits after Reardon joins the University community.

Since last April, a standing committee appointed by Hoff has been drafting a marketing plan that Reardon and the new marketing director will help finalize. It is hoped that the University will have its new marketing plan, including elements of institutional graphic identity, ready for implementation by the next academic year.

The marketing plan is based on research done in 1997-98 by STAMATS, a national marketing consultant firm. A STAMATS report completed last fall focused on such areas as UMaine's target audience, institutional messages, current marketing strategies and image. With such a research base, the 15-member marketing committee, with Hoff as an active participant, has begun addressing three major areas - "look," involving the University image, from the first impressions of visitors to campus to establishment

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### VP FOR UNIVERSITY ADVANCEMENT NAMED

Susan Reardon, an administrator with more than 30 years of experience in higher education, has been named vice president for University Advancement.

The appointment is subject to approval by the University of Maine System Board of Trustees.

Reardon will be one of three vice presidents. She will be responsible for UMaine's Development, Marketing and Public Affairs departments, and will work closely with two independent affiliates, the General Alumni Association and University of Maine Foundation.

"I am extremely pleased that Susan will be joining our University," says UMaine President Peter Hoff. "She brings a wealth of experience in several areas of great importance to UMaine, and has first-hand knowledge of the distinct

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### In Perspective

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- 10 Champion of Reform

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

## Electronic Communication Policy Established at UMaine

The University of Maine's first formal electronic communication policy is a campuswide tool for balancing legal responsibilities with respect for First Amendment rights and academic freedom, according to the John Gregory, executive director of Information Technologies (IT).

Two of the most important aspects of the policy are a definition of terms, including what constitutes electronic resources, communications systems and users, and what procedures to follow when alleged violations of the electronic communication policy or laws occur.

"Because most violations of federal, state or local laws using technology begin innocently, the hope is that the new electronic communication policy will raise awareness and not just provide rules for prosecuting," says Gregory. "Through greater awareness of the appropriate and inappropriate use of electronic communication and technology, there will be fewer violations."

The new electronic communication policy was developed by an ad hoc Faculty Senate committee and approved by Faculty Senate last fall, prior to Gregory joining the University community in December. The policy was approved by UMaine President Peter Hoff in January.

"It is a good policy," Gregory says. "It is well-rounded and tries to protect the University while respecting academic freedom and the First Amendment rights of users."

"A lot of universities don't have formal policies. When I first reviewed it, I also looked at what other universities had. I found 182 published policies out of 3,000 higher education institutions. Many have not undertaken a formal policy process and some were created back in the '80s and are now woefully out of date."

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## BearWorks Initiative Builds Appreciation for Importance of Academic Advising

"The best universities are the best because they are always working to improve," says Vice Provost for Undergraduate Education Doug Gelin. And in that spirit, UMaine is working to improve an important component of undergraduate education – academic advising.

"I must confess that, like many of my colleagues, for many years I thought of academic advising as a routine part of a professor's responsibilities, akin to grading papers and holding office hours," says Gelin. "But over the past few years, I have learned that it's much more than that. There's a wealth of experience that shows what works and what does not in advising, that shows its importance to student success, and that raises its standing to the level of an academic discipline in its own right, with its own professional association and professional journal. One of my goals is to build an appreciation for the importance of academic advising."

A student survey on the academic environment at UMaine conducted in 1998 by Institutional Studies, for the Faculty Senate, revealed that 60.9 percent of students responding were satisfied with the assistance they received from their faculty advisor. Nearly half of the remaining 40 percent had no opinion, and only 21 percent of students overall expressed dissatisfaction.

*continued on page 17*



UMaine President Peter Hoff has established a Student Cabinet that meets monthly with him to share information and concerns affecting students. Sitting on the Student Cabinet are undergraduates and graduate students in leadership positions in student organizations such as Student Government, Association of Graduate Students, Off-Campus Board, Residents on Campus, *Maine Campus*, Student Heritage Alliance Center, and the Panhellenic and Interfraternity Councils. The Student Cabinet functions much like the Executive Council, facilitating communication between the president and key constituents in the University community. Establishment of a Student Cabinet advances a BearWorks priority of enhancing communication links on campus. Pictured here in their first cabinet meeting with Hoff, far left, are, left to right, Justin Kelleher, vice president of Student Government, and Wesley Petteway, Student Government president.

*Photo by Kathryn Rice*

## University Pursuing Plan to Build Three Residence Halls

This month, the University of Maine System Board of Trustees is expected to consider giving the green light to UMaine to pursue planning for the first of three residence halls to be constructed on campus in the next six years.

The new construction is in response to projected increases in UMaine's undergraduate population and to more students, including juniors and seniors, who are expected to request on-campus housing in the future.

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### MAINE Perspective

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THE UNIVERSITY OF  
**MAINE**

# Calendar

# MAINE

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

MARCH 15 - 30

## 15 Monday

**Classes Resume**, March 15.

**"Relationship Between Rhythmic Behavior and Canonical Babbling in Infant Vocal Development,"** by Keiko Ejiri, post-doctoral fellow of the Japan Society for the Promotion of Science, Oschanomizu University, a Department of Communication Sciences and Disorders Colloquium, noon-1 p.m., March 15, 329 Dunn Hall. x2003.

## 16 Tuesday

**President Hoff's Open Office Hour**, 10 a.m., March 16, Alumni Hall.

**"Ice Harvesting on the Penobscot,"** by Marianne McGarry, part of the Page Farm and Home Museum Brown Bag Lunch Series, noon-1 p.m., March 16, Page Museum. x4100.

**"Let's Face the Music and Dance': The Cultural Work of Astaire-Rogers Dance Music in Depression America,"** by Margaret McFadden, assistant professor of American Studies, Colby College, part of the Women's History Celebration, 12:30-1:45 p.m., March 16, 109 Corbett Business Building. x1228.

**"Socratic Autonomy and Protagorean Enlightenment: An Unsettled Rivalry of Moral Ideals in Plato's Protagoras,"** by Charles Griswold, chair of philosophy, Boston University, a Philosophy Colloquium, 3:30 p.m., March 16, Levinson Room, Maples. x3866.

**"Two Careers: Making Art and a Living,"** a slide presentation by sculptor Martha Dunigan, professor of art, North Carolina School of the Arts, Winston-Salem, offered by the Department of Art, 7 p.m., March 16, 206 Rogers Hall. x3250.

**"What Is This 'White' in Whiteness,"** by Thomas Nakayama, director of the Asian Pacific American Studies Program and associate professor of communication, Arizona State University, part of the Libra Professorship Public Lecture Series on Communication Diversity and Identity, offered by the Department of Communication and Journalism, 7:30 p.m., March 16, 100 Neville Hall. Reception at 7 p.m. x1935.

## 17 Wednesday

**PowerPoint, Intro**, an IT Windows Workshop, 10 a.m.-noon, March 17, Dunn Hall Lab. Admission fee. x1649.

**History Graduate Students Present Their Research**, part of the Women's History Celebration, 4 p.m., March 17, 100 Neville Hall. x1228.

**"Speak Out!: Women Reclaiming Their Lives,"** a keynote address by Dyann Logwood, a founding publisher of *HUES - Hear Us Emerging Sisters* - magazine, part of the Women's History Celebration, 7 p.m., March 17, Wells Conference Center. x1228.

**"The Aesthetics of Everyday Objects,"** by Paul Duncum, lecturer in visual arts curriculum, faculty of education, University of Tasmania, Australia, part of the Department of Art Guest Lecture Series, 7 p.m., March 17, 206 Rogers Hall. x3245.

## 18 Thursday

**"How to Stay Well in a Chaotic World,"** by Nellie Orr, part of the EAP Brown Bag Luncheon Series, noon-1 p.m., March 18, Bodwell Area, Maine Center for the Arts. x4014.

**"Redefining Feminism: Insights from an African American in the NOW Movement,"** by Renee Berry Huffman, national board member and 1999 chair N.E. Women of Color and Allies Summit, NOW, part of the Women's History Celebration, 12:30 p.m., March 18, 117 Corbett Business Building. x1228.

**Fire Eyes**, part of the Peace and Justice Film Series and the Women's History Celebration, offered by MPAC, 7 p.m., March 18, 101 Neville Hall. x3860.

**Performance by the Band Electric Blue and Kozmic Truth**, offered by the Union Board, 9 p.m., March 18, Bear's Den. x1734.

## 19 Friday

**"Canada and the National Unity Debate,"** by the Hon. Stéphane Dion, president of Canada's Privy Council and minister of Intergovernmental Affairs, and a member of the Canadian House of Commons from Saint-Laurent/Cartierville, Quebec, offered by the Canadian-American Center, 10 a.m., March 19, Dexter Lounge, Alford Sports Arena. x4220.

**Jazz TGIF with Neobop**, offered by the Union Board, 12:15 p.m., March 19, Damn Yankee. x4194.

**"Mapping and Cloning the *mut-2* Mutator Gene in *Caenorhabditis elegans*,"** by Joseph Pelliccia, Bates College, part of the Biological Sciences Seminar Series, 3:10 p.m., March 19, 102 Murray Hall. x2536.

**"Aftermath of Chaos in the Pueblo Southwest: Paleoenvironmental Reconstruction,"** by Linda Cordell, director, University of Colorado Museum, offered by the Hudson Museum, 3:30 p.m., March 19, Maine Center for the Arts. x1901.

**Graduate Research Exposition**, offered by the Association of Graduate Students and the Graduate School, 3:30-5:30 p.m., March 19, Wells Conference Center. x4548.

**The Crown of Destiny**, performed by Theatre Sans Fils, part of the Maine Center for the Arts performance season, 8 p.m., March 19, Hutchins Concert Hall. Admission fee. x1755.

**Performances by Comedians Michael Dean Ester, Tiny Glover and Jamie Lissow**, offered by the Union Board, 9 p.m., March 19, Wells Conference Center. Admission fee. x1734.

## 20 Saturday

**"Katsina Spirits of the Pueblo Southwest,"** by Linda Cordell, director, University of Colorado Museum, offered by the Hudson Museum, 7 p.m., March 20, Maine Center for the Arts. x1901.

## 21 Sunday

**University Singers Spring Concert**, part of the School of Performing Arts season, 2 p.m., March 21, Minsky Recital Hall. Admission fee. x1755.

## 22 Monday

**"A Paradise Lost in Kashmir,"** by Cynthia Mahmood, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies and the Women's History Celebration, 12:15-1:30 p.m., March 22, 109 Corbett Business Building. x2609.

**"Sweet Chaos: The Grateful Dead's American Adventure,"** by Carol Brightman, Walpole-based author of *Sweet Chaos* and *Writing Dangerously*, offered by the English Department, 4 p.m., March 22, 100 Neville Hall. x3818.

**"Three Musical Voices: Teresa Carreño, Amy Beach and Rebecca Clarke,"** a lecture recital by Carmen Rodríguez-Peralta, professor of music, Middlesex College, with Anatole Wieck, part of the Women's History Celebration, 7:30 p.m., March 22, Minsky Recital Hall. x1228.

## 23 Tuesday

**"What Constitutes Success?: American Business Women in the 1920s,"** by Candace Kanes, adjunct assistant professor of liberal arts, Maine College of Art, part of the Women's History Celebration, 12:30-1:45 p.m., March 23, 109 Corbett Business Building. x1228.

**Coffee House with Bluesman KJ James,** offered by the Union Board, 8 p.m., March 23, Peabody Lounge, Union. x1734.

## 24 Wednesday

**Access, Queries,** an IT Windows Workshop, 10 a.m.-noon, March 24, Dunn Hall Lab. Admission fee. x1649.

**"Learning Large: Strategies From Master Teachers of Large Lecture Courses,"** a panel discussion, offered by Instructional Development, noon-1:30 p.m., March 24, 202 Shibles Hall. x2486.

**"In Search of Sisterhood: The Million Woman March in Historical Perspective,"** by Deborah Gray White, professor of history at Rutgers University and co-director of the Rutgers Center for Historical Analysis, part of the Women's History Celebration, offered by the History Department, 4 p.m., March 24, 101 Neville Hall. x1228.

**"Eyecons,"** by Christopher Peterson, part of the Maine Center for the Arts performance season, 7 p.m., March 24, Hauck Auditorium. Admission fee. x1755.

## 25 Thursday

**BearWorks Discussion,** featuring a presentation by Elaine Albright and Rebecca Eilers concerning a cultural resources plan, 3:30 p.m., March 25, Woolley Room, DTAV. Open to all members of University community.

**Il Postino,** part of the International Film Festival, offered by International Programs, 7 p.m., March 25, 100 Neville Hall. x2905.

**It's Elementary,** part of the Peace and Justice Film Series, offered by MPAC, 7 p.m., March 25, Devino Auditorium, Corbett Business Building. x3860.

**"Doing Theology Today,"** by Rev. Kevin Burke, assistant professor of systematic and historical theology, Weston Jesuit School of Theology, Cambridge, Mass., offered by the Newman Center, 7:30 p.m., March 25, 83 College Ave. 866-2155.

## 26 Friday

**Jazz TGIF with the UMaine Jazz Combo,** offered by the Union Board, 12:15 p.m., March 26, Dunn Hall. x4194.

**Women's History Celebration Community Soup Supper,** 5:30-7 p.m., March 26, Dunn Hall Lounge. x1228.

**"Franco-American Women - Pillars of Survivance,"** by Claire Quintal, founder and director of the French Institute and professor of French, Assumption College, part of the Women's History Celebration, 7 p.m., March 26, 115 Dunn Hall. x1228.

## 27 Saturday

**"Animal Puzzles,"** a Hudson Museum Just for Kids program, 10 a.m., March 27, Maine Center for the Arts. Admission fee. x1901.

## 29 Monday

**"Poverty Continues to Plague Women and Families in Maine: Working for Progressive Welfare Policies in This Conservative Era,"** by Sandy Butler, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies and the Women's History Celebration, 12:15-1:30 p.m., March 29, 109 Corbett Business Building. x2609.

**End of Second Third of Semester for Withdrawals,** 4:30 p.m., March 29.

## 30 Tuesday

**Registration for Fall 1999 Begins,** March 30.

**"Gender Issues and the Graduate Experience at UMaine: Results of the Fall 1998 Survey,"** with Sandy Caron, Scott Delcourt, Sean Murphy and Tina Roberts, part of the Women in the Curriculum and Women's Studies Program Lunch Series, 12:30-1:45 p.m., March 30, 109 Corbett Business Building.

**"Fighting Fair with Friends (& Others),"** an interactive workshop on useful communication/relationship skills, presented by Campus Mediation, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies, 4-5 p.m., March 30, 202 Shibles Hall. x2609.

## Ongoing Events

### Campuswide Events

**Women's History Celebration,** March 16-April 5.

### Entertainment

**"Moon Shadows,"** a Planetarium show, 7 p.m., Fridays, through March 26. Admission fee. x1341.

**subUrbia,** directed by Gary Brown, part of the Maine Masque season, 7:30 p.m., April 8-10; 2 p.m., April 10-11, Hauck Auditorium. Admission fee. x1755.

### Exhibits/Demonstrations/Tours

**Evelyn Hofer: Interiors and Emerson in Italy,** Museum of Art exhibitions, through March 17, Carnegie Hall. x3255.

**Student Art Juried Annual,** a Museum of Art exhibition, April 9-30, Carnegie Hall. x3255.

**Sumner 200: A Portrait of a Small Maine Town,** a Hudson Museum exhibit, through May 16, Maine Center for the Arts. x1901.

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

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

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

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

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

### Meetings of Groups/Organizations

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

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

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

**Commuter/Nontraditional Student Coffee Hour,** 1:30-2:30 p.m., every Tuesday; 9-10 a.m., every Friday, Nutter Lounge, Union. x1734.

**Maine Peace Action Committee** meets every Sunday, 7 p.m., Maples. x3860.

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

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

### Special Notes

**Sportsman's Show,** March 12-14, Field House and Gym.

**Farmers' Market,** 10 a.m.-1 p.m., every Saturday, Page Farm and Home Museum.

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



## Look Who's On Campus



Sculptor **MARTHA DUNIGAN** will present a slide presentation, "Two Careers: Making Art and a Living," on Tuesday, March 16, 7 p.m., 206 Rogers Hall. Dunigan is professor of art at the North Carolina School of the Arts, Winston-Salem. She spends part of each summer on the far northeastern coast of Maine – a landscape reflected in both her chosen materials and the resulting sculptural forms using found materials.

**THOMAS NAKAYAMA**, director of the Asian Pacific American Studies Program and associate professor of communication at Arizona State University, will speak Tuesday, March 16, 7:30 p.m., on "What Is This 'White' in Whiteness?" Nakayama is the co-editor of *Whiteness: The Communication of Social Identity*. His writing focuses on cultural studies and rhetoric, particularly concerning issues of race, gender and sexuality.



Artist **PAUL DUNCUM** will speak about "The Aesthetics of Everyday Objects" in a Department of Art Guest Lecture at 7 p.m., Wednesday, March 17, 206 Rogers Hall. Duncum is a lecturer in visual arts curriculum at the University of Tasmania, Australia. His fields of study include art education, with emphasis on children's spontaneous drawing, critical theory, the functions of art, picture appraisal strategies and popular culture.



**DYANN LOGWOOD**, one of the founding publishers of *HUES* (Hear Us Emerging Sisters), a nationally distributed magazine for young women of all cultures, shapes, and lifestyles, will present a keynote address for the Women's History Celebration on "Speak Out!: Women Reclaiming Their Lives." The lecture is at 7 p.m., Wednesday, March 17, Wells Conference Center. A key contributor to the anthologies *Third Wave Agenda: Being Feminist, Doing Feminism* and *Adios Barbie: Young*

*Women Write About Body Image and Identity*, Logwood is a graduate student at Eastern Michigan University and the director of its Women's Center.



**LINDA CORDELL**, director of University Museum at the University of Colorado, will speak at 3:30 p.m., Friday, March 19 on "Aftermath of Chaos in the Pueblo Southwest: Paleoenvironmental Reconstruction," and at 7 p.m., Saturday, March 20 on "Katsina Spirits of the Pueblo Southwest." Cordell, a professor of anthropology, is the former Irvine Curator of Anthropology for the California Academy of Sciences. She will talk about the climatic events that led to the cessation of permanent

occupation of the Four Corners region of the Southwest by ancestral Pueblo people, as well as the archaeological origins of katsina carvings.

Hon. **STÉPHANE DION**, a member of the Canadian House of Commons from Saint-Laurent/Cartierville, Quebec, will speak at 10 a.m., Friday, March 19, Dexter Lounge, Alford Sports Arena on "Canada and the National Unity Debate." Dion is president of the Privy Council and minister of Intergovernmental Affairs, supporting Canada's prime minister, the federal ministers and provincial governments. His mandate is to make the Canadian federation more efficient by coordinating the federal government's efforts to clarify the roles of the federal and provincial governments.

### Cultural Affairs Committee Deadline for Proposals

The deadline to submit proposals to the Cultural Affairs/Distinguished Lecture Series Committee is April 9. Proposal guidelines and applications are available from Wanda Legere, President's Office, x1516.

### MAINE PERSPECTIVE PUBLISHING SCHEDULE

The spring publication schedule of *Maine Perspective* is:  
March 26 (copy deadline March 12); April 9 (copy deadline March 26);  
April 23 (copy deadline April 9).  
Monthly summer editions of *Maine Perspective* will begin May 14.



Pianist **CARMEN RODRIGUEZ-PERALTA**, professor of music at Middlesex College, will give a lecture recital, "Three Musical Voices: Teresa Carreño, Amy Beach and Rebecca Clarke," at 7:30 p.m., March 22, Minsky Recital Hall. Rodríguez-Peralta is the editor of *Piano Works by Teresa Carreño*, and wrote a chapter on Carreño in *A Woman's Gaze: Latin American Women Artists*.



**DEBORAH GRAY WHITE**, professor of history at Rutgers University who co-directs the Rutgers Center for Historical Analysis, will speak at 4 p.m., Wednesday, March 24 on "In Search of Sisterhood: The Million Woman March in Historical Perspective." White is author of *Too Heavy a Load: Black Women in Defense of Themselves, 1894 - 1994*. Her talk will survey issues surrounding black women's twentieth century organizing and apply some of her conclusions to the recent Million Woman March.

This year's UMaine class book author **JAMES LOEWEN** will give public lectures Tuesday, March 30. Loewen, author of *Lies My Teacher Told Me: Everything Your American History Textbook Got Wrong*, taught race relations for 20 years at the University of Vermont. He now lives in Washington, D.C., where he is researching his new book, *Lies Across the Landscape: What Our Historic Markers and Monuments Got Wrong*.

## Center Stage

### School of Performing Arts

#### Back from a Three-State Tour

Just back from an annual New England tour, University Singers will perform its annual Spring Concert in Minsky Recital Hall at 2 p.m., Sunday, March 21.

During spring break, the Singers performed 14 concerts in five days in Maine, New Hampshire and Massachusetts. The annual tour recruits for the University; in the past, it has drawn students to the music program from throughout New England and New York.

The Spring Concert will highlight the repertoire of the concert tour. This semester, Dennis Cox, who directs University Singers, is on sabbatical. Leading the Singers is Shannon Chase, a second-year graduate student in choral conducting. Assistant conductors include students Beth Clark and Scott Pettingil, both fourth-year music education majors.

Also taking the stage with the Singers will be University of Maine Steiners, an all-male a cappella ensemble, and Junction, a mixed jazz vocal group. Among the many works to be performed will be an original composition by UMaine music major Casey McCann.

## Gallery Glimpses

#### Puzzled About Animals

Children will learn which animals have faces on their bellies, eyes on their wings or shapes that can wrap around a jar at "Animal Puzzles" on Saturday, March 27, part of the Hudson Museum's Just for Kids program. Participants will experiment with unusual animal designs from Panama and the Northwest Coast, and will create an animal puzzle. The program is for children in grades 1-6. Just for Kids programs are held in the museum beginning at 10 a.m.; pre-registration is required. Call 581-1901. Program fee is \$3 per child.

## People in Perspective

Last year, Mary Skaggs was reproducing antique photos from an old family album to make two scrapbooks for her children. The photos provided an historical family record back to Skaggs' great grandparents and something more – a surprisingly long and extensive legacy of relatives who have and are working for UMaine.

"I saw that some of the pictures were taken at the University and my mother and I started talking about them," says Skaggs. "I realized it was sad that I never sat and talked with my grandfather about the family history."

Skaggs completed the scrapbooks for her two children, and continued to compile information about her family and its interaction with the University since the turn of the century. In some cases, the opportunity is fleeting. One of her uncles recently passed away and another is ill. No one besides them knew all this information about the family.

To date, she has found that more than 20 relatives, including members of her immediate family, have worked for the University. As of this year, those family members who were and are long-time employees have given a combined 350 years of service to UMaine.

"The University had a reputation as a good place to work, and still does," says Skaggs. "My grandmother was a cook at Pat's, baking donuts at 4 in the morning. But I didn't know she also once worked as a cook in the fraternity houses."

"Learning something about one person has led to learning about another. Now I've got everyone in the family involved in finding out who else worked for the University. I didn't realize how many worked here through the years – from my mother and both her brothers and her parents, to my dad, brother, husband, cousins and their spouses, and all our kids."

Skaggs' grandfather, Stephen Smith, was a plumber on campus for more than 40 years beginning in 1918. Her father, Holand

Bagley, was a steamfitter for 39 years. One of her uncles was a garage mechanic for 36 years and another uncle worked on the University farms for almost 20 years.

Her mother, Barbara Smith Bagley, was a high school student when she first worked on campus as a waitress in the late '30s. Similarly, Skaggs' children, and some of her nieces and nephews, pursued temporary employment on campus while in high school or as UMaine students.

"I grew up in Orono and Old Town. My grandparents lived on a farm where Bangor Savings Bank on Park Street is today," says Skaggs. "As a child, I remember trails for horses winding



*This 1927 photograph, taken on the steps of Balentine Hall, shows four generations of what were then present and future UMaine employees.*

through what's now Talmar Woods.

"We were always close to campus. We lived in a house on Bennoch Road near the Sutton Farm, where the University's live mascot was kept. And near the Sutton Farm was a ski jump the campus used. In the winter, my friends and I were forbidden to be on the ice (of the Stillwater), but we always walked across to campus."

Skaggs was 2 when her father started working for UMaine in 1949. In eighth grade, she moved with her family from Orono to Old Town to live in a Park Street house owned by the University.

"Because of where we moved, the school bus could not pick me up. Every morning I went to campus with Dad and took a city bus from the Steam Plant to school and back again. Every day from 3-4:30, I sat on a big bench at the Steam Plant and did my homework. I got to know all the people he worked with."

"As a steamfitter, my Dad was called at all hours of the day and night. I remember the long hours he worked."

Skaggs came to work for the University in 1965. She worked first as a stenographer in the Financial Aid Office, then for a year with the General Alumni Association. She rejoined the staff of the Office of Student Aid in 1976. She now directs the Office of Student Employment.

"For my family, the University has been a focus of dedication and history," she says. "Such involvement with the University isn't uncommon for other families in the area. When you look at people like my family and others that have kept the University going for so long, you're getting to the fabric of the institution. There is a lot of pride in that."



*When not making appearances on campus, the University of Maine's live mascot was kept at the Sutton Farm on Bennoch Road, just down from Mary Skaggs' childhood home.*

### Campuswide Calendar

*Maine Perspective* keeps an electronic calendar listing on-campus events for the academic year that have been submitted for inclusion. If you have events already scheduled, send your listings to *Maine Perspective*. If you are planning an event and want to check for other activities scheduled at particular days and times, call 581-3745.

The UMaine Master Calendar is available on FirstClass (in the Campus Activities folder) and on the Web (off the UMaine homepage: [www.umaine.edu](http://www.umaine.edu) or the calendar Website: [www.ume.umaine.edu/~paffairs/perspectiveweb/mastercalendar.html](http://www.ume.umaine.edu/~paffairs/perspectiveweb/mastercalendar.html)).



**BearWorks**  
University of Maine

## SPOTLIGHT ON COLLEGE TEACHING

Feb. 24, 30 new faculty gathered on campus to learn from four colleagues who joined the University of Maine teaching community within the last few years. The discussion explored the theme, "I Wish I'd Known," with a dynamic panel exchanging tips and strategies for success at the start of a university teaching career.

Panelists included Eric Landis, Rick Borgman, Ivan Manev and Beth Wiemann, representing a range of disciplines and teaching responsibilities.

Here is some of the best advice from the panelists, useful for college professors in any phase of their career:

- ▼ Remember who knows everything – the administrative assistants in your department. Better yet, on the rare occasion when they are at a loss to help you, they always know who can.
- ▼ No matter what you do, some students will love you and some students will hate you. Don't make life decisions based upon either extreme.
- ▼ Invite students into the discussion of what's going wrong when a class isn't working the way you like. You will be surprised and encouraged by the insights they provide.
- ▼ Focus on the big picture in your teaching. Most of the little facts will be forgotten weeks or months after the course ends. What are the few broad main ideas you want students to carry away forever? Talk about those ideas again and again.
- ▼ Anyone who says you should leave your research agenda at the classroom door is wrong – students delight in seeing their professor's passions, as long as that content doesn't take precedence over the core class content.
- ▼ Don't deny yourself the joys of this job – getting to know students well is the biggest delight in college teaching.

We might add another delight not to be denied is to learn from colleagues – and it was clear new faculty enjoyed hearing the advice of colleagues who are thriving as teachers at UMaine.

## Instructional Development Upcoming Events

**"Learning Large: Strategies From Master Teachers of Large Lecture Courses,"** a panel discussion, noon-1:30 p.m., March 24, 202 Shibles Hall. All welcome. Refreshments.

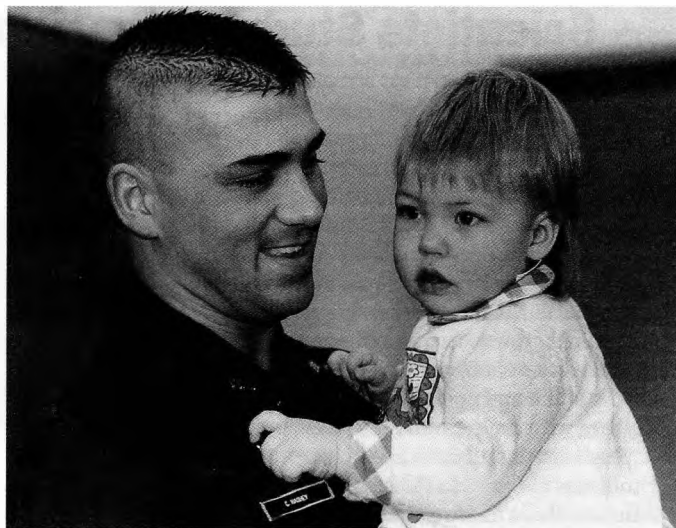
**"Wisdom, Renewal, and Respect: Strategies for Mentoring Senior Faculty,"** a panel discussion for deans, chairs and directors, noon-1:30 p.m., April 27, Palmer Lounge. All welcome. Refreshments.

## PRESIDENTIAL PUBLIC SERVICE ACHIEVEMENT AWARD

Since 1982, in recognition of the mission of public service at the University of Maine, the President has annually presented the Presidential Public Service Achievement Award to an individual University of Maine faculty or professional staff member in a teaching, research, and/or public service unit who has demonstrated distinguished achievement in public service. Nominations are now being accepted for this award, and are to be submitted to the Office of the Provost no later than **4:30 p.m., March 16.**

The award will be announced and presented at the Honors Convocation in April. Questions or assistance in the preparation of the necessary documents required for nomination may be directed to Barbara Hikel, Office of the Provost, x1507.

**Copies of the nomination guidelines are available in all deans' offices.**



UMaine Public Safety Officer Chris Hashey and dispatcher Alice Lewis have received citations for their life-saving efforts last month. Lewis, a 20-year veteran at Public Safety, took an emergency call Feb. 23 from University Park that reported a 1-year-old had stopped breathing. Lewis kept the child's mother calm and gave her instructions over the phone while Hashey responded to the home. While waiting for the ambulance, Hashey was able to revive the child, Julia Peltopuro. The child was transported by the University Volunteer Ambulance Corps to Eastern Maine Medical Center where she was treated and released. Julia and her parents, Paula Peltopuro and Tuomo Jaaskelainen, a UMaine student and member of the hockey team, were present for the March 2 citation ceremony. Hashey, pictured here holding Julia, has been a UMaine police officer for almost two years. He also received a special life-saving commendation and medal. *Photo by Kathryn Rice*

## New Financial Economics Degree Program Approved

In response to student requests, the Economics Department will offer a major in financial economics at the undergraduate and graduate levels.

The new program will begin this fall. Some students have been preparing for this degree and may graduate as early as this December with a Bachelor of Arts in Financial Economics.

"The demand for this program was very clear. As soon as we proposed it, students came in and began to ask what courses they needed to take now to get this major when it was approved," says Ralph Townsend, chair and professor of economics.

Senior Marc Dupuy of Ellsworth is one of the students who has been waiting for the financial economics degree program so he can change his major.

"In 1977, I started as a computer science major with a business minor. With that minor, I took economics classes," says Dupuy. "That's when the classes started to mesh."

"After my degree, I had planned to take outside classes in finance, something I've always been interested in. Especially investment strategy," says Dupuy, who is already applying his coursework in his job with Nova Foods Inc., where he has worked for seven years.

"When I found out the University was combining finance and economics into one degree, I was very excited. For people like me interested in both aspects, business and economics, this degree is a good blend of the two."

In the past, students who were interested in the economic analysis of financial markets had to choose between bachelor's degrees in economics or business administration. Townsend says the financial economics major incorporates the strengths of both programs.

*continued on page 14*



# Scientists Studying Development of Old Growth Forests

A new view of the constant struggle in the Maine woods between trees, diseases and weather has emerged from years of painstaking research by a team of UMaine students and faculty.

Working in the Big Reed forest preserve in northern Piscataquis County, one of the largest remaining stands of old growth forest in New England, researchers have described patterns of life and death over the past 200 years with an unprecedented level of sophistication and detail.

Studies of old growth forests in Maine are about as rare as the forests themselves. The study cites only four previous projects from 1966-97.

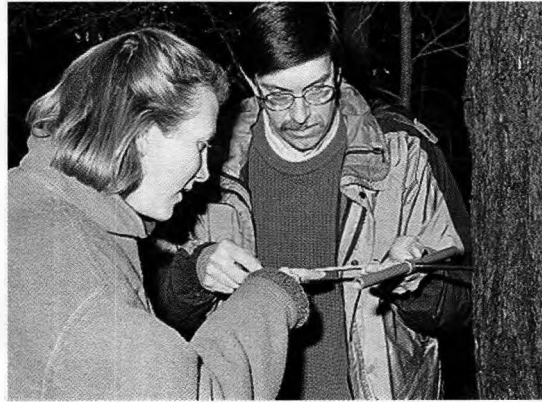
The 5,000-acre Big Reed preserve, owned by the Maine Chapter of the Nature Conservancy, is north of Baxter State Park in the Reed Brook watershed. The research was funded by the Maine Agricultural and Forest Experiment Station.

"There are increasing public demands that forests be managed as naturally as possible," says Alan White, an advisor on the project and an associate professor in the Department of Forest Ecosystem Science. "This study provides some important background information regarding forest conditions and processes in the absence of direct intensive human intervention. The patterns and processes detected in this study may help in designing appropriate conservation and management strategies for similar forest types and landscapes."

The project was led by Unna Chokkalingam, a Ph.D. student and native of India. In her research, she worked with faculty in biological sciences and spatial information science and engineering. In addition, numerous UMaine undergraduate students worked with Chokkalingam to establish research plots and collect detailed information about every standing tree – dead and living – and fallen trunks. They also mapped the locations of every tree and obtained increment cores.

Dendroecology and geographic information system (GIS) technology were used to generate statistics about areas affected by natural disturbances such as severe winds, droughts and insects.

As a result, Chokkalingam was able to describe natural patterns of new growth and deaths of trees as far back as the late 18th century. Her thesis paints a picture of small but frequent forest disturbances, primarily the slow death and decay of standing trees, opening up sunny spots where small clusters of young trees grow quickly. Over the years, such clusters accumulate to dominate the forest community.



Alan White, associate professor of forest ecosystem science, and Marta Schumann, a master's degree student from Old Town, inspect a tree core.

Photo by Nick Houtman

Landscape-level analysis of the preserve using GIS suggested that catastrophic disturbance was not a major sculpting force at the landscape scale. The predominantly small-scale single-tree disturbance regime resulted in an old-growth landscape of mature forests dominated by late-successional community types. The mostly shade-tolerant species included spruce, fir, beech, sugar maple and cedar. A very small proportion (0.2 percent) of the preserve was affected by fire in the recent past. Larger blow-downs occurred in spruce-fir forests but acted to maintain the same dominant species.

"This study confirms earlier hypotheses that there are long intervals between major stand-replacing disturbances and that small-scale gap dynamics play a prominent role in shaping forest structure in Maine," says White.

"However, the episodic and extensive nature of small-gap formation is an unexpected finding. Our results suggest silvicultural guidelines for species regeneration, optimal growth, harvesting, and other factors for forest managers interested in mimicking natural processes." ▲

## Class Book Author On Campus March 30 for Public Talks

Class book author James Loewen will be on campus Tuesday, March 30 for a series of public events designed to continue and extend the discussion about the accuracy and presentation of history in textbooks.

"It is energizing to have the class book author visit campus," says Harvey Kail, professor of English and chair of the Class Book Committee. "A visit makes it possible for those interested to follow up on ideas and questions the book raises. It extends the conversation that we have been having."

To write *Lies My Teacher Told Me: Everything Your American History Textbook Got Wrong*, Loewen reviewed 12 high school textbooks and found that students are not getting an accurate view of American history from many traditional texts. Loewen examines how such textbooks deal with or ignore such subjects as racism, Christopher Columbus and the federal government.

During his visit to campus, Loewen will be given a demonstration of the University's distance learning technology and the Web course based on the class book.

His public presentations begin at 4 p.m. with "James Loewen: Face to Face," an opportunity for members of the University community to ask questions and talk with the author. The informal conversation session will further the campuswide debate now taking place via electronic communication on FirstClass and in classes.

That evening, Loewen will have dinner with students from the Continuing Education Division's Class Book Community Programs, which were held in Orono, Portland and Camden.

At 7:30 p.m., Loewen will make a public presentation, "Writing Lies, Reading Lies: The Making of *Lies My Teacher Told Me* and the Effects It Has Had." The lecture will be 101 Neville Hall. ▲

### CLARIFICATION ISSUED ON RETIREMENT COMMUNITY OPEN FORUMS

After listening to and consulting with the UMaine community in the past several months, UMaine President Peter Hoff and Chief Financial Officer Bob Durringer have decided not to take the retirement community to the Board of Trustees for a yes/no decision in March.

Rather, they will continue to seek ways to accommodate the concerns they have been heard, postponing a final decision until the May Board of Trustees meeting.

Additional open forums will be set in the near future.

## News at a Glance

### ADMISSIONS VIDEO CAPTURES SECOND SILVER AWARD

The *Admissions Marketing Report* newspaper announced in its February 1999 issue that the UMaine admissions video received a silver award in the paper's Eleventh Annual Advertising Awards competition.

The Council for Advancement and Support of Education (CASE) honored the video with a silver award at the District I conference held in Boston last January.

The video, *One University With Many Faces*, was created by Public Affairs producers Rick Winter, Ron Lisnet and Kim Mitchell, and Creative Services Coordinator Monique Mace-Hashey, with Dean John Beacon of the Office of Enrollment Management.

Copies of the video are available in the Office of Enrollment Management.

### HUDSON MUSEUM RECEIVES GRANTS

The Hudson Museum has received an \$11,700 grant from the Museum Loan Network to identify 150 objects in the William Palmer Collection that are suitable and available for future long-term loans to other institutions.

The grant will permit greater scholarly and public knowledge of the museum's collection by increasing its visibility and by offering art never before publicly exhibited.

Inclusion of Palmer Collection items in the Museum Loan Network's directory will foster collaborations between the Hudson Museum and other institutions.

In addition, the Museum is now drafting a strategic plan to encourage and stimulate greater public interest and participation in the cultural and artistic heritage of Maine. The project is funded in part by a \$2,000 grant from the Maine Arts Commission and the National Endowment for the Arts.

The strategic plan will lead to the development of exhibits of high artistic quality and programs promoting cultural diversity. The plan also will help the museum expand its programs and exhibits focusing on such groups as Franco-Americans, Native Americans and the state's Asian community.

### UNIVERSITY BOOKSTORE PAYS TRIBUTE TO THE GREATEST GENERATION

The creation of a *Greatest Generation* exhibit in the University Bookstore this semester was made possible by an outpouring of support from members of the University community who had World War II memorabilia.

The *Greatest Generation* display is being entered in a nationwide contest sponsored by Random House, the publisher of journalist Tom Brokaw's new book by the same title. The bookstore with the "Greatest Display," as depicted in a photograph, will win first prize – a visit by Brokaw with 200 copies of his book. Second and third prizes are signed copies of *The Greatest Generation*.

At UMaine, many members of the University community loaned photographs, medals, memorabilia, and military gear and apparel to the display, which is located at the front entrance of the Bookstore. A large portion of the exhibit came from the collection of Bill and Kathy Cook.

The contest deadline is March 30, with winners announced in early April.

The University Bookstore's exhibit will be on display through March 19.

### BLOOM COLLECTION DONATED

The School of Performing Arts has received a 42-volume set of music for oboe from the Robert Bloom Collection.

Bloom was the solo English hornist and assistant principal oboist in the Philadelphia Orchestra and principal oboist of the Rochester Philharmonic and NBC Symphony. He also taught music at Yale University School of Music and Juilliard.

According to Louis Hall, professor of music and oboe at UMaine, Bloom is one of the icons of oboe playing in the country.

The collection includes selected 18th-century works, transcriptions, original compositions and concerted cadenzas from Bloom's personal library. Many works have performance notes by Bloom and preface notes from his wife, oboist Sara Lambert Bloom.

The gift is a donation from Dr. and Mrs. Joseph Rossi of Northeast Harbor and New Haven, Conn. The collection will be housed in Fogler Library.

"It's a very prestigious gift and I think it's great that they chose us because they think we have a worthwhile program that can utilize this gift," says Diane Roscetti, director of the School of Performing Arts, who has played in a summer orchestra performance conducted by Bloom.

### UMAINE AUTHORS HONORED BY FOGLER LIBRARY

Fogler Library hosted a Feb. 11 reception for members of the University community who authored books in the last two years.

Sixty-two authors from at least 30 campus departments and offices were invited. They are the authors of 65 books.

Attendees included Chancellor Terrence MacTaggart, whose book, *Seeking Excellence Through Independence*, was published in 1998. President Peter Hoff told the gathering that, while the University is often required to measure its scholarship by the number of research dollars it attracts, it is important to remember that authorship of books is also an important measure of the intellectual life of the University.

A list of the authors honored by the Library is on the Web: <http://libraries.maine.edu/orocoldev/authors.htm>

### 25-YEAR EMPLOYEES TO BE HONORED

This year, 30 members of the University community will be honored for their 25 years of service to UMaine during one of two annual employee banquets.

The 25-Year and Outstanding Employee Awards Banquet will be held Tuesday, May 18. The Retirement Banquet will be Thursday, May 20. Both begin with a social gathering at 5:30 p.m., dinner at 6 p.m., Wells Conference Center.

The 25-year employees are: Admissions – Joan Martin; Biological Sciences – Malcolm Shick, John Ringo, Jean Ketch; Biosystems Science and Engineering – Warren Hedstrom, John Smagula; Bureau of Labor Education – William Murphy; Campus Living – Carolyn King; Canadian American Center – Amy Morin; Chemical Engineering – Joseph Genco; Darling Center – Erlyn Lane; Education – Susanne Thibodeau, Phyllis Thibodeau; English – Richard Brucker; Facilities Management – James Tardy, Vaughn Coleman, Nathan Emerson, Colwell Severance; Geological Sciences – Terence Hughes; Human Resources – Betsy Wilson, Dale MacDonald, Eileen Murphy; Onward – Gerald Ellis; Philosophy – Doug Allen, Brenda Collamore; Public Safety – Sue York; Purchasing – Robert Eslin; School of Performing Arts – Fred Heath; Sponsored Programs – Sylvia Polchies; Wabanaki Center – Ted Mitchell.

# A Champion of Reform

Five years ago, Michelle Alexander was a single mom determined to seek a better life for herself and her newborn daughter.

The road to that new life involved living on \$500 a month, struggling to find childcare and hitchhiking for several months to take undergraduate classes.

"I had a complete and total dedication to getting off welfare through earning an education that would provide me with the ability to obtain employment at a wage that would support myself and my family," says Alexander. "That was the big impetus for me."

In 1995, Alexander transferred to the University of Maine. The bachelor's degree in social work she received last year was her off-ramp from the welfare rolls. And it was a green light to pursue her life's work.

This May, after completing her master's degree in social work in one year, Alexander is headed to graduate school and a career devoted to championing the needs of those who lack a voice in society.

"I think I've been drawn to social work all my life," Alexander says. "Primarily because of my experiences with welfare as a child when my parents got divorced and seeing my mother struggle to become self-sufficient after being a housewife for 11 years."

Alexander always planned on attending college, but did not believe she would qualify for any financial aid. Instead, she shared an apartment with a friend and worked full-time for several years.

When she became pregnant with Rowan, Alexander's boyfriend encouraged her to keep the baby and said he would support her. Five years later, Alexander has yet to see a penny of child support from Rowan's father, who has seen Rowan only twice since she was born.

"When her father left, I knew it was up to me to overcome my situation and try to make life better for both of us," she says.

After Rowan was born, Alexander's stepmother was only able to provide childcare for the first year while Alexander worked and went to school. For more than a year, she had been on a waiting list with Additional Support for Retraining and Employment (ASPIRE), a state program that offers support for low-income people. Without that assistance, she and other women she knew who were in the same situation were unable to pay for childcare.

"Every dime of my money went to rent and bills. There was nothing left over. If you hear that (low-income) people are getting all kinds of subsidies, they're not. Very few people actually receive a housing subsidy, which is what they need to survive. I didn't have that," she says.

Another woman provided free childcare for six months while Alexander worked the 3-11 shift after her classes.

Just when it looked like she would have to drop out of college to care for her daughter, ASPIRE came through and helped Alexander with the childcare she needed to continue on the path of self-sufficiency.

The stigma of receiving welfare has been a constant source of mental anguish for Alexander. She was grateful to have public assistance. But going to the grocery store and using food stamps was the most difficult aspect.

"That was the worst part of all of it. For me it was a degrading



Michelle Alexander

## Graduate Student Focus

and shaming experience," she says. "I could feel my face turn red and would wish I could disappear right there at the register. I was terrified of what people in line behind me were thinking."

Alexander tried to plan her trips to the store around who was working. She looked for cashiers who had been polite in the past.

"I prepared myself for the possibility of negative comments from cashiers or customers. If anyone said anything, I planned to tell them everything I was doing to get off welfare. I would also tell them not to believe the myths about welfare recipients."

After receiving her bachelor's degree, Alexander was happiest about getting off welfare. She now helps other low-income people deal with the many emotions that accompany state assistance.

"There's a lot of hatred toward the welfare program and the people," she says. "There is this image of people who are lazy and trying to have more kids to get more assistance."

Support from the faculty in the School of Social Work helped Alexander reach her goals, she says.

"It's a small program. Everyone really knows each other well, and the faculty is highly committed to your education. You can get all the support you need."

At 28, Alexander is one of the youngest students in the social work master's degree

program, according to Nancy Kelly, field coordinator in the school.

"Her commitment to working with people who are economically disadvantaged allows her to stand out as a real champion for the ideals of our department," Kelly says. "She is also a really lovely person."

Besides being a full-time student, Alexander is also a student intern at the Department of Mental Health.

She is a graduate research assistant for the Maine Housing Alternatives Project, and she serves on the Parents as Scholars subcommittee of the TANF advisory council, which works on making recommendations to the Department of Human Services regarding income maintenance and support service programs.

She is the Webmaster for the Maine Equal Justice Project/Partners, a non-profit organization that provides advocacy and legal services to low-income people.

Alexander is also a member of the Maine Association of Interdependent Neighborhoods (MAIN), a low-income advocacy and lobbying group with 1,000 members statewide. Most importantly, says Alexander, she is the mother of a "delightful and very independent" 5-year-old girl.

"I've watched (Alexander) struggle through her own challenges, but she hasn't only tried to make things better for her own life, she's tried to make things better for other people. That's what impresses me so much; she's truly caring," MAIN president Judy Guay says.

Alexander plans to pursue a doctorate degree at Brandeis University in about two years. And she will continue to push for welfare and healthcare reform.

On graduation day, Alexander expects to feel "elated, ecstatic, triumphant and relieved."

"I will get to be middle class for the first time in my life – and before I'm 30."▲

# The CUTTING EDGE

University of Maine Research on the Frontiers of Science

## Progesterone and Pregnancy

Where do babies come from? In a series of experiments with ovarian cells and hormones, a UMaine biologist and her colleagues are finding new answers that could shed light on some of the causes and possible treatments of female infertility.

Holly Lavoie, assistant professor in the Department of Biological Sciences, studies the complex interaction of the hormones, ovarian cells and genetic processes that are necessary for successful pregnancy. Her research focuses on progesterone, a hormone as important to pregnancy as food is to life.

"If a woman ovulates and the egg is fertilized by sperm, the dividing embryo wants to implant into the uterus. Without progesterone, that won't happen. Progesterone helps maintain the uterine lining so an embryo can implant," she says.

After ovulation, the ovarian cells that nourish an egg early in the menstrual cycle shift into another gear to make the critical hormone. This process of change is called differentiation, and infertility can occur if these cells fail to differentiate properly. Problems in this process are linked to at least two forms of infertility – polycystic ovarian syndrome and luteal phase defect.

Scientists do not know how many women experience these conditions, but they are related to other types of infertility and possibly to other health problems. For example, many women with polycystic ovarian syndrome experience insulin resistance. In fact, the ovary produces an important protein known as insulin-like growth factor one, nicknamed IGF-1, which has already been shown by Lavoie and many of her colleagues to be one of the keys to proper cell differentiation.

"The ovary goes through phases where it's developing exponentially. Masses of cells are differentiating. So many things in the ovary have to happen at the right time," says Lavoie. "If ability to make progesterone is blocked, the uterine lining will shed. The embryo will abort. This is pretty much true in all mammals."

In addition, the pituitary gland plays an important role by producing hormones which ovarian cells use to differentiate. Through her research, Lavoie wants to know how growth factors and hormones produced by both the ovary and the pituitary pave the way for the production of progesterone.

"If we can make a breakthrough in the proteins that are regulated by the ovarian growth factors and how they interact with the proteins regulated by pituitary hormones, then we will have made a big step in understanding how the ovary differentiates."

Since human ovaries are not available for research purposes, Lavoie relies on those of pigs. Porcine and human ovaries produce progesterone in a similar fashion. Lavoie travels to a meat packing plant in Moncton, New Brunswick. In slaughter houses, ovaries are considered waste products. Lavoie takes ice chests to the plant and collects up to 100 ovaries at a time.

Back in her lab in Murray Hall, Lavoie isolates ovarian cells and cultures them in order to get what she really wants – the nuclear proteins and RNA.

"I look for proteins that are known to bind certain DNA sequences. Pituitary hormones and ovarian growth factors stimulate proteins to bind to the DNA and turn on genes regulating cell differentiation. Although some of the proteins are known, most are not. So we do a scan. And when you do a scan, you get tons of stuff that supposedly binds to these proteins.

"Whether it's true for the ovarian cell is a different story. That's a very important point. We're trying to say that the ovary regulates this DNA sequence, this gene, in a different way from other cells in the body," she says.

## Detecting Pesticides

Donna Eash, a Ph.D. candidate in the Department of Food Science and Human Nutrition, likes a good challenge. Rock climbing and skiing are two of her current passions. And through her research, she has tackled the intricacies of a demanding new process for detecting pesticides in food and water.

In the past four years, Eash has mastered the techniques of capillary electrophoresis (CE) in collaboration with her advisor, Professor Rodney Bushway.

Eash, a native of the Manchester, N.H. area, became the department's resident expert on the process that is now used in the pharmaceutical, medical and food processing industries. CE offers analytical chemists an alternative to other standard techniques. It uses small sample volumes and avoids toxic organic solvents that can pose a waste disposal problem with other methods.

"The biggest challenge for me has been learning to be patient," she says. "This is relatively new technology, and no one here had used it when the machine arrived four years ago. After the representative from Hewlett Packard set up the machine and gave us the instructions, we had to learn it from the ground up – the theory, the methods, the software, everything."

She admits that on some days, she went home feeling frustrated that the steps she was following weren't working out. "I just had to get over it and come back the next morning and start over," she says.

Eventually, Eash developed and verified new methods to detect hexazinone, known commercially as Velpar, an herbicide which is used in Maine on blueberry barrens and transportation corridors. Velpar has been detected in very low concentrations in drinking water wells and groundwater in Maine.

Other pesticides for which she worked out analytical methods include thiabendazole and malic hydrazide.

Being able to use the latest technology in pesticide detection gives Eash a marketable skill, she says. Her job search includes companies and government agencies, including the FBI, all on the East Coast. Prior to coming to UMaine, she worked as a medical technologist for Concord Hospital in New Hampshire. She received her bachelor's degree from the University of New Hampshire in medical technology, and while she was working full time, she pursued her master's degree in clinical laboratory sciences from the University of Massachusetts-Lowell.

"When I attended UMass-Lowell, I worked on oryzanol levels in rice oil. That sparked my interest in a career in the food industry and sharpened my skills in chromatography," she says. "I was looking at Ph.D. programs around the country, and working with Dr. Bushway was the most attractive option for me. I feel so lucky to have him as an advisor. He has supported my travel to conferences to present the results of my research, and he has always insisted that if I did the work and wrote the paper, my name was first as the author."

Eash has also provided assistance to other faculty and students in the department. For example she worked with a master's student on analyzing levels of tri-poly-phosphate in processed lobsters.

Eash has published her work in four peer reviewed journals: the *Journal of Agricultural and Food Chemistry*, *Journal of High Performance and Liquid Chromatography*, *Journal of Chromatography*, and *Journal of the AOAC International*.







## Residence Halls *continued from page 2*

Pending BOT approval, an architect will be hired to help plan the first hall to house about 200 students. It will be located between Chadbourne and Balentine halls. Construction could begin as early as spring 2000.

It is expected to be recommended that funding for constructing the first hall come from the System's issuance of revenue bonds.

The second and third halls, to be constructed in 2002 and 2004, will be additions to Doris Twitchell Allen Village. The wings will be built off DTAV's community building, pointing northwest and west toward Stewart Commons and Jenness Hall.

With construction of the third residence hall, York Village, a cluster of on-campus apartments on the south end of campus, will be demolished. York Village, built in 1978, houses 200 students.

By 2006, UMaine will have a created new housing accommodations for a total of 600 students – a net gain of 400 beds (with the demolition of York Village).

"The intent is to make it more attractive for more students to stay on campus," says Mark Anderson, interim vice president for Student Affairs who chaired a Campus Living Residence Hall Construction Planning Committee last fall. "We'll do that with new construction and halls containing the (amenities) students say they want in campus housing.

"We're often asked about Oak and Hannibal Hamlin halls. Should we be building new residence halls when we have these two facilities (that are former dormitories)? For a lot of structural reasons, it doesn't make sense to renovate these two buildings."

Hannibal Hamlin now houses offices; Oak is used for storage.

The site for the first new residence hall was chosen for a number of reasons, including the fact that utilities infrastructure is already in place. It also will increase the number of students using Stodder Commons, which has the lowest patronage of the four dining commons on campus.

The new hall will be designated for upperclass student housing with single rooms and non-mandatory dining plan. In the short term, it also will have no immediate parking available.

"The committee clearly came down on the side of keeping residence halls within the perimeter of campus," says Anderson. "There is some advantage of building north or east from Hilltop, or behind the Credit Union to push out the boundaries of campus. But given the campus culture and its still relatively small size, construction within the perimeter keeps the community more vibrant by having students living within the campus. Today, our single most popular residence hall is Hart Hall because it is so close to the center of campus." ▲

### OUTSTANDING CLASSIFIED EMPLOYEE AWARDS

The Classified Employees Advisory Council (CEAC) is soliciting names of outstanding classified employees for the Employee Recognition Awards. The awards are presented each year at the annual Employee Recognition Banquet in May. Two awards of \$1,000 will be presented.

CEAC believes it is extremely important to recognize classified employees' exceptional service and dedication to the University. This year and in years past, the awards honor classified employees who demonstrate the highest level of professional services and standards within their disciplines or areas of responsibility. In addition, many classified employees have, through their volunteerism, made significant contributions to the communities in which they live.

Nominations are solicited for exceptional and meritorious achievement. Employees also may be nominated for these awards based on one-time actions when performance is extraordinary during special non-routine or unique situations. Nominations will be screened by CEAC Employee Recognition Committee members. Supervisors of the finalists will be interviewed. Nominations should be sent to Cindy Perry, 120 Cutler Health Center, 581-4010 (fax 581-3997). **Deadline: April 9.**



Joe Smith, second from the right, a sociology and psychology major from Liberty, and Vanessa McGowen, a biology and chemistry major from Sault Saint Marie, Ontario, are the 1999 UMaine Dean Smith Award winners. The annual award, sponsored by the Graduate M Club, honors the top male and top female senior student-athlete at UMaine. Winners of the awards, named for the former Black Bear basketball player who was an NCAA top student-athlete in 1990, recognizes outstanding academic achievement, athletic achievement, leadership and character. Smith and McGowen are both track and cross-country athletes. Among those on hand for the presentation of the awards were Jerry Ellis, left, Class of '64 and chair of Dean Smith Awards Selection Committee, and Keith Mahaney, Class of '57 and M Club president.

*Photo by Kathryn Rice*

## University Advancement *continued from page 1*

mission and needs of land-grant universities such as ours. Her talents, background and personality will be great additions to the University."

Reardon has been vice president for University Advancement and Marketing at Ferris State University in Big Rapids, Mich., since 1995. She has also worked at Virginia Tech University, GMI Engineering & Management Institute, Michigan State University, Iowa State University, the University of Virginia and the University of Michigan. She graduated from the University of Minnesota.

"I am very excited to become a member of President Hoff's leadership team," Reardon says. "I'm looking forward to working with the University community and with people throughout the state to move UMaine forward to an even higher level of excellence."

The vice president for University Advancement position is a new one at UMaine, replacing the vice presidency for University Development, a position held on an interim basis by Virginia Gibson. Reardon's position was created as the cornerstone of a restructuring plan Hoff initiated to coordinate fund raising, government relations, community relations, media relations, and marketing.

Reardon assumes her new duties April 1. ▲

### FACULTY RESEARCH FUNDS COMMITTEE SEEKS NOMINATIONS

REMINDER – 1999 PRESIDENTIAL RESEARCH AND CREATIVE ACHIEVEMENT AWARD nominations are due March 17 in the Office of Research and Sponsored Programs, 424 Corbett Hall. The award, in the amount of \$1,500, is made to a faculty member who has attained distinction in research or creative achievement. Each year, the Faculty Research Funds Committee makes nominations for the President's consideration, and the award is made at the Honors Convocation. Nomination forms are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498, and in the offices of deans.

## **Communication Policy** *continued from page 2*

UMaine has had informal policies and processes concerning electronic communication violations. However, the new policy is "more well-defined and thorough," says Gregory.

Concerns about alleged misuse of technology such as e-mail, Web pages and voice mail are often first reported to the provider, Information Technologies. In maintaining the integrity of the communication networks, IT also monitors heavy traffic, which can be a warning sign of misuse.

The new electronic communication policy reinforces existing campus policies and guidelines concerning harassment.

"Members of the University community need to understand that the definition of discriminatory harassment does not change with the medium used. Communication that is personal and threatening may violate University policy and state law, whether it is delivered in person, on the telephone, or via FirstClass," according to Evelyn Silver, director of Equal Opportunity.

Depending on the nature of the alleged violation, three offices on campus have primary responsibility for investigation and resolution – Public Safety, Office of Equal Opportunity and Judicial Affairs.

A common violation by users involves posting software or electronic media that may be copyrighted to Websites, says Gregory. Such violations are one of many reasons the University has a responsibility to have policies for how its resources can be used.

"If technology stayed constant, we would hope that through awareness of the policy, there would be fewer violations. But technology is always changing and people are always trying something new," Gregory says.

"People are more technologically knowledgeable and have more resources. Today, you can have a \$1,500 computer in your room to copy digital music; two years ago, a computer to serve music was in excess of \$50,000. It becomes increasingly tempting to use copyrighted music. While there's no malice, it is still a violation of the law.

"We will know if the policy is successful if the number of violations doesn't escalate with greater advances in technology."

In addition to Internet use facilitated by UMaine, the policy also covers the University's Intranet system, FirstClass. Gregory describes FirstClass as "a great communications tool and part of the culture at the University of Maine." In providing the internal communication network, IT must also regulate it to maintain its integrity.

"It is amazing the discussion that has gone on (via the internal electronic communication system). But clearly with something that open and pervasive, there is an opportunity for people to push the limits. We have seen that not so much with BearWorks dialogue and discussion but with other forums on FirstClass."

Unlike the now common use of FirstClass, a wide variety of technologies have grown up in a piecemeal fashion on campus through the years, Gregory says. Now the University community, with IT's leadership, needs to make that technology work together.

The new electronic communication policy will provide the underpinning.

"While we acquired a lot of technology under the present model, it will not serve us for the future," Gregory says. "One of the major goals is to strive for collaborative, distributed technology on campus, rather than having every department on its own and having most of the classrooms still lacking an Internet connection." ▲

## **Financial Economics** *continued from page 7*

The undergraduate degree will require eight courses in economics, offered by the College of Liberal Arts and Sciences, and two courses in accounting and four in finance, offered by the Maine Business School. The graduate degree will require graduate courses in economics and finance that include a significant amount of quantitative analysis.

"The undergraduate degree is more quantitatively demanding than our regular economics degree," says Townsend. "It requires calculus and econometrics, which some of our students certainly take, but not as a requirement for their major."

No new courses need to be created in order to make this degree possible. All the courses required for a degree in the new program have been offered at UMaine in the past year.

Townsend says students who graduate with the new degree can take a job where both types of knowledge are necessary, such as banking, insurance, investing or credit card management.

The degree will give students an edge in the job market because they will be in a position to understand how the broad theoretical constructions of economics can be applied to the financial services sector of the business world.

A National Association of Colleges and Employers study of job opportunities for students surveyed career planning and placement officers at more than 300 colleges and universities for information about base salary offers for entry-level positions. The study showed that finance companies and banks are willing to offer starting salaries of at least \$31,000 for students with both finance and economics backgrounds.

Townsend says this will be the only program of its kind available at a public institution in Maine. Only Colby College offers a degree program that is comparable.

The undergraduate program is expected to graduate 15 to 20 students a year, says Townsend, and the graduate program is expected to graduate five. ▲

## **Sensors** *continued from page 1*

Olympia Snowe, a member of the Senate Committee on Armed Services.

"This grant will help to research and develop sensors capable of detecting the presence of chemical or biological agents and launchers in any theater of battle," says Snowe. Under the terms of the grant, awarded by the Naval Surface Warfare Center, the University will conduct sensor research over the next two years, concluding in February 2001.

Work will be performed by faculty, staff, graduate students, and undergraduates in the Laboratory for Surface Science & Technology and a private sector partner, Sensor Research & Development Corporation (SRD) of Orono. Researchers are studying the ability of thin metal oxide and polymer films to detect pathogens and toxic chemicals by carrying out experiments using non-toxic simulant target molecules. After various stages of development, prototype sensors are sent to military facilities for testing against live agents.

"Present detection technologies require a full mobile laboratory and at least a half-hour for analysis to take place," says Snowe. "Recent research in the area of polymer and metal oxide thin film arrays holds great promise for the near real-time detection and classification of chemical and biological agents. These sensors will provide greatly enhanced protection for U.S. troops, and also be useful in combating domestic terrorism."

This newest federal funding follows a \$1.8 million grant announced in 1998 for similar work. ▲

**Michael Loughlin**, doctoral candidate in marine biorecources; **Robert Bayer**, professor in biosystems science and engineering; and **Deanna Prince**, research assistant professor in biosystems science and engineering: "Lobster, *Homarus americanus*, Gastric Fluid Is a Barrier to Ciliate, *Anophryoides haemophila*, in an *in vitro* Study," *Journal of Applied Aquaculture*, 8:67-72 (1998).

**Richard Blake**, professor emeritus of biochemistry, and **Scott Delcourt**, director of the Graduate School and cooperating scientist in molecular biology: "Thermal Stability of DNA," *Nucleic Acids Research*, 26(14):3323-32 (1998).

**Kathleen March**, professor of Spanish: a review of *The Age Factor in Second Language Acquisition*, eds. D. Singleton and Z. Lengyel, *Journal of Celtic Language Learning*, 4:6-66 (1999).

**Stephen Marks**, professor of sociology: "The Gendered Contexts of Inclusive Intimacy: The Hawthorne Women at Work and Home," *Planning Friendship in Context*, by Rebecca Adams and Graham Allan, Cambridge University Press, 43-70 (1998).

**Linda Scott**, IPHD candidate in eighteenth-century studies and teaching assistant in the Department of English: "The Rape Raped: Echoes of *The Rape of the Lock* in Richardson's *Clarissa*," *English Language Notes*, 36(2):17-21.

**R.W. Dudley**, former graduate student in civil engineering; **Vijay Panchang**, professor, School of Marine Sciences; and C.R. Newell, Great Eastern Mussel Farms Inc., Tenants Harbor: "AWATS: A Net-Pen Aquaculture Waste Transport Simulator for Management Purposes," *Proc. 26th U.S.-Japan Aquaculture Symposium*, Durham, N.H., November 1997, U.S.-Japan Cooperative Program in Natural Resources (UJNR) Tech Rept. No. 26, ed. W.H. Howell et al. pp. 215-28 (November 1998).

**John Daigle**, assistant professor, parks, recreation and tourism: "Sociocultural Dimensions of Trapping: A Factor Analytic Study of Trappers in Six Northeastern States," with R. Muth, R. Zwick, and R. Glass, *Wildlife Society Bulletin*, 26(3):614-25 (1998).

**Vijay Panchang**, professor, School of Marine Sciences; **B. Xu**, former doctoral student in civil engineering; and Z. Demirbilek, U.S. Army Waterways Experiment Station, Vicksburg, Miss.: "Wave Prediction Models for Coastal Engineering Applications," *Developments in Offshore Engineering*, ed. J. B. Herbich, Gulf Publish., Houston, 163-94 (1999).

**Robert Strong**, professor of finance, and **Patrick McMullen**, assistant professor of management, Maine Business School: "Determination of Lockbox Collection Points Via Simulated Annealing," *Journal of the Operational Research Society*, 50:44-51.

Professor **Mark Lutz**, Department of Economics: two entries, "Human Dignity," pp. 471-2, and "Humanistic Economics," pp. 472-5, Phillip Anthony O'Hara, ed., *Encyclopedia of Political Economy*, New York, N.Y., Routledge, Vol. 1, (1999).

**Jay Bregman**, professor of history: "Julian the Byzantine and Synesius the Hellene," *The Ancient World*, xxix(2):127-38 (1998).

#### LOOK FOR MAINE PERSPECTIVE ON THE WEB

Electronic issues of *Maine Perspective* featuring the lead stories can be found linked off the University of Maine homepage ([www.umaine.edu](http://www.umaine.edu)) or at the *Maine Perspective* Website: [www.ume.maine.edu/~paffairs/perspectiveweb/persp.html](http://www.ume.maine.edu/~paffairs/perspectiveweb/persp.html)

## VOLUME S

### Recent Works by University of Maine Authors

#### *Interoperating Geographic Information Systems*

Edited by Michael Goodchild, Max Egenhofer, Robin Fegeas, Cliff Kottman (Kluwer Academic Publishers 1999)

Geographic information systems have developed rapidly in the past decade, and are now a major class of software, with applications that include infrastructure maintenance, resource

management, agriculture, Earth science, and planning. But a lack of standards has led to a general inability for one GIS to interoperate with another. It is difficult for one GIS to share data with another, or for people trained on one system to adapt easily to the commands and user interface of another. Failure to interoperate is a problem at many levels, ranging from the purely technical to the semantic and the institutional.

*Interoperating Geographic Information Systems* is about efforts to improve the ability of GISs to interoperate. It has been assembled through a collaboration between academic researchers and the software vendor community under the auspices of the U.S. National Center for Geographic Information and Analysis and the Open GIS Consortium Inc. It includes chapters on the basic principles and the various conceptual frameworks that the research community has developed to think about the problem. Other chapters review a wide range of applications and the experiences of the authors in trying to achieve interoperability at a practical level.

Editors of the volume are Michael Goodchild, University of California, Santa Barbara; Max Egenhofer, University of Maine, Orono; Robin Fegeas, U.S. Geological Survey, Reston, Vir.; and Cliff Kottman, Open GIS Consortium, Clifton, Vir. It is part of the Kluwer International Series in Engineering and Computer Science.

## Book Ends

### New & Noteworthy at the University Bookstore

***Mr. Darwin's Shooter*, Roger McDonald, Atlantic Monthly Press (1998).** An historical novel of nineteenth-century exploration and the conflict between science and religion based on the life of Charles Darwin's man-servant. Syms Covington left home at 13 and went to sea with the evangelical sailor John Phipps. Two years later, aboard the *HMS Beagle*, the energetic and precocious 15-year-old enters the service of Darwin. In the course of their voyages over the next seven years, he shot and collected hundreds of specimens that became fundamental to the formulation of Darwin's theory of evolution. Years later as an old man, Covington awaits the arrival of *Origin of Species* with trepidation and guilt over having participated in a work that will shake the human world view to its foundations. *Mr. Darwin's Shooter* is a deeply imagined and stunningly well-executed exploration of scientific discovery, adventure and one of history's most significant crises of faith.

***Dreamland*, Kevin Baker, Harper Collins (1999).** This turn-of-the-century historical novel begins on the decks of a steamship that brings Sigmund Freud to America for a lecture tour. As the hundreds of immigrants on board approach New York and see the bright lights of Coney Island's Dreamland Amusement Park, they at first think New York, the city of their dreams, is being consumed by flames. As they draw nearer and realize it is the lights of Coney Island, they are sure that they can only be passing through the gates of heaven – or hell. *Dreamland* weaves a rich tapestry that captures perfectly the emotional and psychological essence of the American experience at the dawn of a new age.

***Messiah*, Andre Codrescu, Simon & Schuster (1999).** This new novel chronicling the onset of millennial fever and the universal yearning for a Messiah is set against the backdrop of warring religious fundamentalist factions, social upheaval and mystical inspiration. In *Messiah*, we are introduced to two remarkable young women – Felicity, a girl detective in New Orleans, and Andrea, a Sarajevo orphan who has found asylum in Jerusalem after internment in a Serbian POW camp. The two come to believe that they are the two severed halves of a whole entity who eventually find each other amid the chaos of millennial fervor, and think their special mission is to fulfill an extraordinary destiny as Armageddon sweeps the earth. Set from December 1999 to Mardi Gras 2000, *Messiah* combs through the artifacts of American millennial culture with skillful examinations of cyberspace, fundamentalist religion, sex and the cult of celebrity.

▼ In observance of Women's History Month, the Bookstore is offering 25 percent off selected/related titles throughout March.

The **Museum of Art** organized exhibitions of 37 works of art, all recent acquisitions from its collection, for the Blaine House and the Maine Arts Commission, Augusta. Maine's First Lady Mary Herman hosted a reception Feb. 24 for the *Arts in the Capitol* exhibit at the Blaine House.

Professor of History **Jay Bregman** attended the American Academy of Religion/Society of Biblical Literature Annual Conference in Orlando, Nov. 20-24. As co-chair of the Platonism/Neoplatonism group, he convened and chaired a panel, "Neoplatonism and the Neopythagorean Tradition." He also served as commentator on a paper, "Ralph Cudworth and Renaissance Neoplatonism."

**Howard Craig Jr.**, was recently recognized for his overall outstanding achievement by being named the top member of the Naval Reserve Officers Training Corps (NROTC) Unit at UMaine for the fall 1998 semester. Craig, an active-duty submarine sonar technician, is a physics major participating in the Navy's Enlisted Commissioning Program (ECP).

**Kay Hyatt**, communications coordinator, College of Education and Human Development, gave a presentation, "Accountability and Public Relations: The Role of Information Officers at Colleges of Education," at the annual meeting of the American Association of Colleges for Teacher Education, Washington, D.C., Feb. 24-27.

At the Higher Education Conference of the National Education Association in San Antonio, March 5-7, **C. Stewart Doty**, professor emeritus of history, was awarded the James Davenport Award, an annual award presented in recognition of hard work on behalf of higher education faculty collective bargaining. Doty led the successful drive to organize University of Maine System faculty, 1975-1978. He then served as the founding president of the Associated Faculties of the University of Maine (AFUM) of the National Education Association, 1978-1979. AFUM/NEA's victory was the first time that a state's entire public higher education faculty was organized into a collective bargaining unit by a single organization. Subsequently, Doty served several years on the Standing Committee on Higher Education of the National Education Association and participated in its work to reorganize higher education NEA publications and to establish the Higher Education Caucus as an important force in the NEA. Doty sensitized NEA to the need to reform TIAA/CREF. In the 1990s, Doty served on the Review Board of *Thought and Action*, NEA's scholarly higher education journal.

**Joann Kovacich**, director of the Interdisciplinary Training for Health Care for Rural Areas Project, Margaret Chase Smith Center for Public Policy; Shirley Weaver, director of the Maine Statewide AHEC System, University of New England; and Marilyn Gugliucci, director of the Maine Geriatric/Gerontology Education Center, University of New England, presented a workshop, "Using a CD-ROM Interactive Study Module to Support Web-based and Traditional

Instruction in Rural Aging," at the Annual Association for Gerontology in Higher Education Conference in St. Louis, Feb. 28.

**Russell Quaglia**, director, National Center for Student Aspirations, gave the keynote address at the Maine Principals' Association conference, Developing Leadership Skills in Girls Through Sports, March 2, Waterville. Quaglia's talk centered on the development and fostering of aspirations and leadership in student athletes.

**Douglas Nangle**, assistant professor of psychology, has been re-appointed for a two-year term as associate editor of *Education and Treatment of Children*, a journal devoted to the development of services for children and the improvement of the teaching/training effectiveness of educators and other child care professionals.

**Ethel Hill**, coordinator of program support services in CED, attended the 7th Annual Marketing Seminar sponsored by the University Continuing Education Association in San Antonio, Feb. 11-13.

#### PROFESSIONAL, FACULTY SEARCH, SELECTION GUIDE AVAILABLE

The Office of Equal Opportunity announces the completion of the new Professional and Faculty Search and Selection Guide. This easy-to-follow, step-by-step guide through procedural quagmire and legal quicksand is available at no cost from the Office of Equal Opportunity (x1226) or on FirstClass in the Equal Opportunity folder, (accessed through Campus Connection and then University Organizations).

#### SUMMER FACULTY RESEARCH FUND RECIPIENTS ANNOUNCED

Daniel Dwyer, vice provost for Research and Graduate Studies, is pleased to announce the recipients of the Summer Faculty Research Fund competition. Recipients are selected based on recommendations by the Faculty Research Funds Committee. Funds for this program are provided by the vice provost for Research and Graduate Studies as part of a broader investment strategy designed to assist faculty and encourage research and other creative achievements.

**Carolyn Bennett**, Communication and Journalism, "A Near Slave Woman Turned Educator Turns to Journalism: An Annotated Bibliography of Mary McLeod Bethune's Newspaper Columns"

**Mary Bird**, Education and Human Development, "A Bug in the System: Edith Patch and the Entomological Society of America"

**David Bradley**, Mathematics and Statistics, "A New Technique for Analyzing Certain Difference Differential Equations"

**Alan Cobo-Lewis**, Liberal Arts and Sciences, "Interactions of Binocular Vision with the Perception of Motion and Color"

**Francis Drummond**, Biological Sciences, "A Computer Program Written for Maine Blueberry Growers Predicting Blueberry Maggot Fly Emergence"

**Amy Fried**, Political Science, "A Bridge Across a Disciplinary Divide?: The Use of Tocqueville's Ideas by Modern Empirical Political Scientists"

**Nancy Hall**, Communication Sciences and Disorders, "Linguistic Interactions in Young Children With and Without Communication Impairments: A Pilot Study"

**Laurie Hicks**, Art, "Women's Bodybuilding as Art Form and Social Practice"

**Cary Jenson**, School of Social Work, "Assessing Access to Care for Seriously Emotionally Disturbed Youth in Maine"

**Margaret Lukens**, English, "Documenting Wabanaki Writers and Storytellers"

**Liam Riordan**, History, "Newspapers in the Early United States and the Meaning of the Nation"

**Phillip Silver**, School of Performing Arts, "Viktor Ullmann - Music in Extremis"

**Denise Skonberg**, Food Science and Human Nutrition, "Survey of Heavy Metal, Biotoxin, Organochlorine, and Pathogenic Bacteria Distribution in Processing By-Products from Selected Gulf of Maine Crustaceans"

**Janice Zeman**, Psychology, "Children's Understanding of the Outcomes Associated with Expressing Negative Emotion"

#### STAFFING UPDATES AT THE CENTER FOR COMMUNITY INCLUSION

Lu Zeph, director of the Center for Community Inclusion, was named a Kennedy Fellow last fall to focus on national policy and disability. She is spending this year working in Washington, D.C. Zeph maintains regular contact with CCI and the University via FirstClass, and monthly return visits to campus.

Debbie Gilmer, assistant director for community services at CCI, is serving as the acting director while Zeph is in Washington. Gilmer has been involved with CCI since its inception in 1992. Prior to joining the CCI staff, she was an adjunct instructor in disabilities studies for the College of Education, and a teacher and coordinator of transitional services for students with disabilities in several area school systems.

Alan Parks has been hired as the new coordinator of dissemination and technology. He will be responsible for public relations, Web-based services, technology applications, and marketing CCI's services and resources. Previous to working with CCI, Parks was affiliated with the UMaine Upward Bound programs, where he served as director from 1988-1997. Between his Upward Bound and CCI positions, he developed a business that creates and manages public Websites.

CCI, a University Affiliated Program, is Maine's center for education, research and public service in disabilities studies. Information about CCI's services is available at: [www.ume.maine.edu/~cofed](http://www.ume.maine.edu/~cofed)

Viewpoints is the opinion column of *Maine Perspective*, offered in an effort to enhance and spark dialogue on campus on issues related to the University and the state, written by experts in their academic/professional areas.

## Free Speech/ Hate Speech: Where Do We Draw the Line?

On February 24, nearly 200 students, faculty and staff gathered to hear and question three experts addressing the topic, "Free Speech/Hate Speech: Where Do We Draw The Line?" The views expressed by audience members ranged from a conviction that the University must do more to control offensive communication to the belief that all speech must be protected in an academic setting.

The panelists included two attorneys, one who typically represents educational institutions and one who is a prosecutor of hate crimes. The third panelist, a faculty member here on campus, helped us understand the terms of the debate and the broader societal implications. All three presenters emphasized that hate speech is narrowly defined and must directly threaten one or more individuals. Hate speech not only violates University policy, but also state law. It is a crime. Offensive or unpopular speech does not rise to the level of hate speech, and is therefore legally protected under the Constitution.

Public institutions such as this University have a special obligation to protect the free and open exchange of ideas, although regulations as to the "time, manner, and place" of such exchange may be promulgated. Schools may designate certain areas at certain times for demonstrations and may also have rules as to how those demonstrations are carried out (such as the number of bullhorns or the size of banners). Even so, these rules may not be overly restrictive and may not be specific as to the content of the expression. For example, if the University restricted the Union lobby's tables to groups associated with a recognized campus organization, the restriction would apply to hawkers of credit cards and jewelry, as well as to advocates of unpopular positions.

Freedom of the press was also discussed at the panel presentation. In response to a question from the audience, the current editor-in-chief of the *Maine Campus* explained the newspaper's

policy regarding advertisements and cartoons. Lyombe Eko, advisor to the *Campus* and a presenter, reinforced the fact that University administrators may not legally interfere with editorial decisions of the student newspaper (unlike secondary school administrators who have far more legal authority in such matters).

The most meaningful message of the evening, however, was not the sanctity of free speech, nor the criminality of hate speech. It was a message of personal responsibility. Steve Wessler, assistant attorney general and chief of the Public Protection Division, raised this issue first, but it clearly resonated with the other speakers and with many in the audience. Law and policy are useful for extreme cases where verbal behavior rises to the level of harassment (severe, persistent and pervasive conduct that inhibits a person's ability to live, learn or work in our community). But in the far more frequent cases where communication is offensive but not harassing, the most effective strategy is one we seem to have forgotten: direct, timely feedback. When we hear or see expression that we find offensive, we need to speak up and encourage others to do the same.

Last fall, when I responded to "jokes" highly offensive to women on the FirstClass humor folder, I was bombarded with e-mail accusing me of censorship and administrative heavy handedness. I have the same free speech right to express my opinions as do the students or employees posting obnoxious and hurtful material. Silence may be viewed as acceptance or agreement, particularly when the group targeted already feels vulnerable or isolated.

I am surprised and distressed at the strident tone used by many members of the University community when expressing their views. Administrators, faculty and staff have an obligation, I believe, to model the style of discourse we hope to hear from students. Civility cannot be required by policy, but it can and should be expected as the basis for discourse in the academy.

*Evelyn Silver is UMaine's Director of Equal Opportunity.*

## Academic Advising *continued from page 2*

"That tells me that our advising system is working," says Gelinas, "but that a tune-up can probably make it work even better."

Gelinas thinks that the system works best for juniors and seniors who are well into their academic majors, but less well for beginning students and those who are undecided about their major. That's why UMaine is strengthening the Academic and Career Exploration (ACE) program for undecided students, and why the colleges have established special seminar programs for first-year students.

"We already know that more aggressive advising programs for first-year students help them to be successful," says Gelinas.

The retention rate for first-year students hovered around 75 percent for many years, but last year it increased to 81 percent. This is an excellent showing compared to other public universities around the nation, according to Gelinas, who attributes the increase mainly to the new programs instituted by the colleges.

"Asking faculty members to give more attention to advising along with their many other professional responsibilities is asking a lot," says Gelinas, "but we're trying to help out."

One example is the new Advisor's Handbook, which seeks to

make readily available a wide variety of information advisors often need. Another is increasing support services for advisors, such as doing audits of general education courses in the Academic Support Services for Students when advisors request them for their advisees.

A third example is funding 100 memberships in NACADA, the national association for academic advisors. A fourth is giving more attention to advising in promotion/tenure decisions by asking departments to review their criteria to be sure that advising receives appropriate recognition.

"And one more thing that all of us will count as a blessing if we can really pull it off is the simplification of academic rules and requirements," says Gelinas, who notes that this is one of President Peter Hoff's BearWorks initiatives.

"I can't imagine that any of us really relishes the role of the talking rule book, especially when rules are made in so many different places and are so hard to track. I think most advisors would rather spend their time getting to know their students, understanding their goals, and helping them to make the appropriate academic decisions to achieve them. That, after all, is what really excellent advising is all about." ▲



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

#### FOR SALE

**COMPUTER:** Macintosh Performa 6214CD, Color StyleWriter 1500, 75 MHz, 1.2 G HD, 16 MG RAM, CD, 33.6 fax/modem, plus transfer of 5 CDs (including encyclopedia), games, and software, including Microsoft Office and PageMaker. \$999. Call 832-5349.

**HOUSE LOT:** Orono. 110'x146', in established neighborhood. Easy walk to UMaine. Asking \$27,000. Call 866-4856.

**JEWELRY:** Collection of high-quality (glass, stone) bead necklaces, some earrings, with handmade silver features. A few religious items. Will sell whole collection (120 pieces) or individually (average price is \$20-\$25). Call 866-0813.

#### FOR RENT

**MOBILE HOME:** Old Town. 2-BR, 1.5 baths, furnished, very clean, 1.7 miles from campus. \$450/month plus utilities. Call 866-4103.

#### SERVICES

**MUSICIANS:** Instrumental trio comprised of flute, cello and piano is available to play classical music for wedding ceremonies, receptions, banquets and other special occasions. Individual instrumentalists are also available upon request. For more information, contact Julie, 827-5179.

## Directory Changes

**Carol Wood**, Associate Professor, Nursing, 216 Dunn Hall, x2605. E-mail: cwood@maine.edu

**Margaret (Comeau) Baker**, 581-1731.

**Ellen Johndro**, Administrative Assistant I, Computer Science, 237 Neville Hall, x3941. E-Mail: ejohndro@umit.maine.edu

**Sharon Tisher**, Adjunct Instructor, Resource Economics and Policy, 307 Winslow Hall, x3158. E-Mail: sharon\_tisher@umenfa.maine.edu

**Louis Hall**, Coordinator of Music Education, Professor of Music, Department of Music, 243 Class of 1944 Hall, x1248. LHALL@maine.maine.edu

**Paul Uttormark**, paul@orsp.umesp.maine.edu

**Carol Nordstrom Toner**, Coordinator, Maine Studies, Research Associate, History, 5B Chadbourne Hall, 581-3147; carol.toner@umit.maine.edu

#### DISASTER SERVICES COURSES Offered by American Red Cross and VOICE

Damage Assessment 1	Tuesday, March 16, 6-9 p.m., 365 Stevens
Serving the Diverse Community	Saturday, March 20, 9 a.m.-5 p.m., 365 Stevens
Emergency Services to Families 1	Saturday, March 27, 9 a.m.-5 p.m., 365 Stevens
Emergency Services to Families 2	Saturday, April 10, 9 a.m.-5 p.m., 206 Rogers

To register, call **VOICE, 581-1796**,  
or stop by the office, second floor, Union.

#### IACUC BIENNIAL TRAINING/ORIENTATION PROGRAM

The Institutional Animal Care and Use Committee (IACUC) announces the spring offering of the IACUC biennial training/orientation program. The second offering for AY98-99 will be held on Wednesday, April 28 (Maine Day), from 2-3:30 p.m., 427 Corbett Hall (across from the Gym). People who have attended previous training sessions do not have to attend.

This campuswide training/orientation program is in compliance with federal regulation and the University's approved Animal Welfare Assurance. All faculty, staff, and students who work with live, vertebrate, non-human animals are required to participate in the program. The IACUC will not act on protocols for approval of animal use until all project personnel have been certified as having completed the training program. Contact Gayle Anderson in the Office of Research and Sponsored Programs, x1498, for registration forms.

## Positions Available

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

**Assistant Professor, School of Social Work.** One-year, fixed-length, full-time, academic-year position. Qualifications: MSW required, doctorate in social work or related field preferred (ABD considered). Ability to teach in the field education and social work practice sequences with a focus on the direct practice curriculum at both the undergraduate and graduate level. Substantial post-MSW clinical social work practice experience; teaching experience preferred. Ability to travel frequently within the state of Maine (as needed for field placement visits), normally requiring a driver's license. Review of Applications: Will begin 3/15/99 and continue until the position is filled. Contact: Submit letter of application, curriculum vita, and the names of three references directly to the School: Diane Haslett, Search Committee Chair, School of Social Work, University of Maine, 5770 Social Work Building, Orono, ME 04469-5770.

#### Survey Field Coordinator. Margaret Chase Smith Center for Public Policy.

Soft-money position contingent on funding, not expected to continue beyond one year. Qualifications: Required: Minimum of bachelor's degree, preferably in social science; demonstrated experience in survey research field operations; demonstrated skills in a variety of personal computer applications; excellent oral and written communication skills. Ability to travel, normally requiring a driver's license. Successful applicant will be expected to satisfactorily complete a background check. Preferred: Previous supervisory experience. Salary Range: \$30,000-\$33,000. Review of Applications: Will begin immediately and continue until the position is filled. Contact: Send letter of application, resume, and names and phone numbers of three references to: Search Committee, University of Maine, Margaret Chase Smith Center for Public Policy, 5715 Coburn Hall, Orono, ME 04469-5715.

**Executive Director of Campus Living.** The Executive Director of Campus Living reports to the vice president for Student Affairs. Qualifications: Master's degree or the equivalent in a discipline related to the administration of residential programs and dining services and extensive experience in management of the delivery of such services in higher education. Should demonstrate strong skills and abilities to: provide collaborative leadership with an emphasis on continuous quality improvement; effectively communicate with the entire University community; foster values of diversity and tolerance; establish and implement long range planning processes to assure Campus Living facilities and programs continue to meet the needs of a changing student population; maintain a program of facility maintenance, renovation and upgrade that assures quality residence and dining facilities; establish and maintain financial policies that assure the fiscal viability of all Campus Living operations; apply technology that is innovative and cost effective in the management and delivery of campus living programs; develop and implement new and creative housing and dining options that contribute to the mission of the University of Maine; foster the development of residential education programs that contribute to the academic and social success of students. Review of Applications: Will begin 3/15/99 and will continue until the position is filled. Contact: Send letter of application, curriculum vitae, and the names, addresses, e-mail addresses, and telephone numbers of five references to: Campus Living Search Committee, Student Affairs, University of Maine, 5703 Alumni Hall, Orono, ME 04469-5703.

**Assistant Professor (specializing in Postmodernist American Poetry), Department of English.** Tenure-track position. The successful candidate will teach graduate (M.A. level) and advanced undergraduate courses in the specialty, as well as writing course and introductory literature courses. A portion of the candidate's time will be reassigned to support the research, outreach, and editorial work of the National Poetry Foundation. Qualifications: Required: Ph.D., completed by September 1999; evidence of scholarly and creative promise. Preferred: Teaching experience in both writing and literature courses and teaching strengths in American literature beyond the field of specialization. Review of Applications: Will begin 3/15/99 and continue until the position is filled. Start Date: 9/1/99. Contact: Send letter of application, full CV, and the names and contact information of at least three references to: Chair, Search Committee, Postmodernist American Poetry, University of Maine, Room 304, 5752 Neville Hall, Orono, ME 04469-5752.

# Positions Available

**Assistant/Associate Professor (Mechanical Engineering Technology), School of Engineering Technology.** Tenure-track faculty position, with rank at time of appointment dependent upon experience and qualifications. Qualifications: Required: Master's degree in mechanical engineering or a related field, and three years of related industrial experience. Professional registration is required prior to applying for tenure. Excellent interpersonal skills; qualified to teach a variety of engineering technology courses in the following areas: engineering graphics, manufacturing, mechanical technology laboratory, mechanics, and cooperative education. Desirable: Demonstrated successful teaching experience. Review of Applications: Will be reviewed as they are received and continue until the position is filled. Contact: Send resume with names and addresses of three references to: John McDonough, Director, School of Engineering Technology, University of Maine, Room 221, 5725 East Annex, Orono, ME 04469-5725. Website: [www.ume.maine.edu/~engtech/sethtm](http://www.ume.maine.edu/~engtech/sethtm)

**Faculty (Fisheries Population Dynamics), School of Marine Sciences.** Tenure-track position, with rank at the time of appointment contingent upon qualifications and experience. The successful candidate will be housed at the School of Marine Sciences at the University of Maine. Qualifications: Ph.D. in marine biology or a closely related field. Experience in teaching and the area of fisheries assessments and analysis. Experience will be applied to: a research program concentrating on the Gulf of Maine; the teaching of graduate and undergraduate courses and the direction of graduate student research in fisheries population dynamics; and cooperative work with the state of Maine's Department of Marine Resources. Review of Applications: Will begin 4/1/99 and continue until the position is filled. Contact: Send letter of application, statement of research, addresses, telephone numbers and e-mail addresses of three references to: James Wilson, Chair, Fisheries Search Committee, School of Marine Sciences, University of Maine, 5741 Libby Hall, Orono, ME 04469-5741. [jwilson@maine.edu](mailto:jwilson@maine.edu) (School of Marine Sciences homepage: [www.ume.maine.edu/~marine/marine.html](http://www.ume.maine.edu/~marine/marine.html))

**Assistant Director for Community Enrichment and Leisure Programs.** Full-time, fiscal-year position. Qualifications: Required: Bachelor's degree. Must possess strong human relations and interpersonal skills; demonstrated sensitivity to issues related to diversity; demonstrated ability to work in a collaborative manner with all levels of the University community, including those from underrepresented groups. Must have strong organizational skills; be able to communicate effectively, both orally and in writing; and have a working knowledge of budgeting, advertising, and contracting. Strongly Preferred: Prior experience in community development, student programming or college union work. Preferred: Graduate degree in higher education, counseling, recreation, or a related discipline; must demonstrate creativity and self-motivation; have a working knowledge of student development theory. Salary Range: \$24,000-\$27,000. Review of Applications: Will begin 3/22/99. Nominations and applications will be accepted until the position is filled. Start Date: Position available 7/1/99. Contact: Send letter of application, resume, and the names, addresses and telephone numbers of three references to: Chair, Assistant Director for Community Enrichment and Leisure Programs Search Committee, University of Maine, 5748 Memorial Union, Orono, ME 04469-5748.

**Department of Chemistry: Summer Teaching Positions.** Instructors for the following courses: CHY 121 (Intro to Chemistry), May 31-July 2; CHY 252 and 254 (Organic Chem II, lecture and lab) July 6-August 6; CHY 371 (Physical Chem I), May 31-July 2; CHY 372 (Physical Chem II), July 6-Aug. 6. Qualifications: Ph.D. in chemistry preferred. Contact: Send letter of interest and resume to: Barbara Cole, Department of Chemistry, University of Maine, 5706 Aubert Hall, Orono, ME 04469-5706. For more information or a detailed job description, contact Barbara Cole, 581-1188 or 581-1169; [cole@maine.edu](mailto:cole@maine.edu)

**Manager of Campus Networking, Information Technologies.** Full-time, fiscal-year appointment. Qualifications: Required: Bachelor's degree in a related field and demonstrated substantial experience managing network operating systems such as Unix, Novell NetWare, Macintosh AppleShare or Windows NT. Solid working knowledge of TCP/IP network software and protocols, LAN's and backbone technology; strong interpersonal skills and ability to work effectively with faculty, administrators, students and colleagues; must possess excellent analytical, organizational, troubleshooting and problem solving skills; prior successful experience supervising staff, as well as managing budgets and projects. Desired: Demonstrated knowledge of state-of-the-art data network

security across multiple computer platforms. Salary Range: \$40,000-\$45,000. Review of Applications: Will begin 3/27/99 and continue until a suitable candidate is found. Contact: Send resume, complete with cover letter and three letters of reference to: John Gregory, University of Maine, Information Technologies, 5752 Neville Hall, Orono, ME 04469-5752. For complete description visit Information technologies web page at: <http://www.ume.maine.edu/~itadmin/>

**Computer Programmer or Analyst-Programmer, University of Maine System Network for Educational and Technology Services (UNET).** Full-time, regular position. The position will be located in Orono. Qualifications: Computer Programmer or Analyst-Programmer: B.A./B.S. in computer science or related field. An equivalent combination of formal training and programming experience may be acceptable. Should possess skills in using two or more commonly accepted, high-level computer languages. Familiarity with PC and Web development tools is desirable. Analyst-Programmer: To qualify for this position, the candidate must also possess at least eighteen months experience as a computer programmer. Salary Range: Computer Programmer: \$28,000-\$32,000 annually; Analyst-Programmer: \$30,000-\$36,000 annually. Review of Applications: Will begin 3/15/99 and continue until the position is filled. Contact: Send application and the names and addresses of three professional references to: Computer Programmer or Analyst-Programmer Search, University of Maine System, 107 Maine Ave., Bangor, ME 04401.

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

## UMAINE - UNIVERSITY OF NEW BRUNSWICK EXCHANGE PROGRAM

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

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

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

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

## INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETINGS

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 the IACUC has approved a protocol for such use. Listed below are the meeting dates for the spring semester. Completed Protocol Review Forms should be submitted two weeks before the meeting date in order to be reviewed at that meeting.

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

NOTE: There has been some confusion about work with fish or chicken embryos. IACUC approval is required for any work involving fish or chicken embryos if a notochord is formed. This includes 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.

Meeting dates: March 22 and April 19.

