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Perspective



Kristofer Broski puts the finishing touches on a charcoal drawing in ART200-Drawing II, a class led by Professor of Art Michael Lewis.

Photo by Kathryn Rice

K-12 Education Partnerships a BearWorks Priority

In his Inaugural Address earlier this month, Gov. Angus King cited the need to continue to raise the aspirations of Maine students. That includes removing barriers and providing support to ensure that "some form of higher education is a real option for every student leaving a Maine high school and for every worker in Maine who wants to go for it."

Aspirations has been a major policy issue of every Maine governor and commissioner of education in the state since 1984, according to Bob Cobb, dean of the College of Education and Human Development. Not only has aspirations been a state priority, but Maine has been in a national leadership role in the aspirations movement, due in large part to the efforts of the University of Maine.

We don't see Bearworks as the starting point of new initiatives with K-12 education but lending momentum to some important existing initiatives. By drawing more segments of the University into these initiatives, more campus resources will be involved in this large and incredibly important effort.

"What the college has tried to do in the past decade or more is achieve and sustain a balance between responsive programming and actions on the one hand, and initiatives and innovations on the other," says Cobb. "As a land-grant, we are always sensitive to what schools say they need and we try to respond to those needs. At the same

time, with our research capabilities and the opportunity to study schooling from a little distance, there are new directions we can bring to them that they may not have considered."

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Student Financial Aid Creates New Customer Service Model

In UMaine's Student Financial Aid Office, the focus is on service. A new customer service model, in development for more than a year, debuted last fall.

"Our goal was to improve the way in which we serve students and the campus community by more efficiently meeting the needs of those populations, while at the same time looking for ways to make the workload more manageable without negatively impacting what already worked well," says Director Peggy Crawford. "We didn't

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In Perspective

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

New Media Minor Proposed in Liberal Arts and Sciences

In early February, a proposal to change the name of the Multimedia Minor to New Media will be submitted to the College's Academic Council. Pending approval by the Academic Council, the New Media course designator (NEW) will be used for fall courses.

Multimedia courses have been offered at UMaine for almost a decade, and a multimedia minor was established in 1995.

The name change is proposed as a way "to get away from the primarily production focus of multimedia," says Brooke Knight, assistant professor of art and director of the multimedia minor. "New Media will be a larger umbrella under which we can address cross-disciplinary concerns."

While New Media is content-heavy, it is not content-driven. "We want curricula

based on concepts and skills rather than on existing hardware and software," Knight says. "Emphasis is on broader concepts and thinking skills. Students will leave our program with familiarity with such concepts as storyboarding, brainstorming and collaboration techniques. The curriculum increases awareness of the possibilities that technology affords."

In the real world, people have to be fluid thinkers to learn the software they need on their own, says Knight. Some students come to the New Media courses with a working knowledge of the software. This creates a learning environment in which the teaching paradigm is not top down but a distributed system using many resources.

"I find in my classes that students with art backgrounds have some computer experience, and other students have computer experience and less of an art background," he says. "That makes for a fertile classroom in which they learn from each other."

New Media will continue to build enrollment as a minor, says Knight. Students also will be able to study New Media through the pending Interdisciplinary Studies major, the College's individualized bachelor's degree program.

The increasing interdisciplinary incorporation of New Media provides students with technological skills that are widely applicable – and marketable, says Knight.

"Learning all the different multimedia applications, Internet possibilities and tools, graduates will use their knowledge in a variety of applications," says Knight.

A New Media Lab has been established in Lord Hall to support the new initiatives. An open house in the lab next week will introduce the University community to the next step in multimedia technology.

The New Media Lab has 14 high-end workstations, a video editing system, digital music station, wide-format and standard-size color printers, scanners, and film and CD recorders. It is designed to support curricular and extracurricular work of students, faculty and staff in the College. The College accounts for more than half of UMaine's credit hours each semester.

The lab, with its adjoining conference room and lounge, was collaboratively established with funding from the Academic Computing and Advising Committee, Information Technologies, and the College of Liberal Arts and Sciences. It is state-of-the-art, interdisciplinary and indicative of the new direction of multimedia instruction at UMaine.

"I encourage faculty members to stop by the lab," Knight says. "The New Media Lab is a place for faculty to go to find answers to their questions about multimedia applications. It is a resource for faculty, as well as for students." ▲

The Open House for the New Media Lab in Lord Hall will be held noon-6 p.m., Wednesday, Jan. 27.



Mary Castonguay of Livermore, a junior in ag business, looks over the newest additions at the Witter Farm.

Registered Black Angus Donated to University

Nine registered black angus cows and two calves arrived at the University of Maine's Witter Teaching and Research Farm in mid-December, a gift from Tom and Holly McKenny and their daughter, Heather, of Pownal.

The animals, valued at \$15,000, are the latest additions to the farm, which is home to the University's growing dairy and horse programs. Eight of the cows are pregnant and expected to calve in the spring. The gift included enough silage and hay to feed the cows for a year.

Students and faculty will benefit from the presence of a high quality black angus herd at the farm, says Jim Weber, a veterinarian and assistant professor in the Department of Biosystems Science and Engineering (BSE). Students will use the animals in a livestock management course that will, for the first time in many years, offer hands-on lessons with beef cattle.

Students also will gain from the McKennys many years of experience in raising and showing high quality cattle. The former owners plan to make frequent trips to Orono to consult with Weber and show students how to manage the herd.

"Black angus are recognized as the predominate breed in the cattle industry," says Tom McKenny. "They have the ability to raise good offspring year after year and pass on positive genetics."

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MAINE PERSPECTIVE PUBLISHING SCHEDULE

The spring publication schedule of *Maine Perspective* is:

Feb. 5 (copy deadline Jan. 22); Feb. 19 (copy deadline Feb. 5);
March 12 (copy deadline Feb. 26); 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.

MAINE Perspective

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UNIVERSITY OF
MAINE

MAINE Calendar

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.

JANUARY 22 – FEBRUARY 10

22 Friday

Jazz TGIF with the Steve Grover Quartet, offered by the Union Board, 12:15 p.m., Jan. 22, Damn Yankee. x4194.

BearWorks Discussion, featuring presentations on benchmarking by Tom Skaggs and on parking, transportation and bus routes by Anita Wihry, 3:30 p.m., Jan. 22, Woolley Room, DTAV. Open to all members of the University community.

Women's Basketball: Maine vs. Delaware, 7:30 p.m., Jan. 22. Admission fee. xBEAR.

23 Saturday

Men's-Women's Swimming and Diving: Maine vs. Providence College, 11 a.m., Jan. 23. xBEAR.

24 Sunday

Women's Basketball: Maine vs. Towson, 1 p.m., Jan. 24. Admission fee. xBEAR.

Performance by Eugenia Zukerman and David Leisner, part of the Maine Center for the Arts performance season, 3 p.m., Jan. 24, Hutchins Concert Hall. Pre-concert preview with David Klocko, 2 p.m., Bodwell Lounge, Maine Center for the Arts. Admission fee. x1755.

25 Monday

Dropping Courses for Refunds Ends, Jan. 25.

"Why You Can't Separate the Roots of Conflict from the Seeds of Peace and Justice," by Doug Allen, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies, 12:15-1:30 p.m., Jan. 25, Bangor Lounge, Union. x2609.

"Restorative Justice: Toward a Model for Healing, Wholeness and Shalom," by Tom Ewell, director, Maine Council of Churches, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies, 3:30-5 p.m., Jan. 25, Bangor Lounge, Union. x2609.

Divorce Iranian Style, a film followed by discussion by one of its two co-directors, Iranian anthropologist Ziba Mir-Hosseini, offered by Women in the Curriculum and the Anthropology Department, 7:30 p.m., Jan. 25, 101 Neville Hall. x1894.

"Road Trip to New York City"

Informational Meeting, offered by OCB, 7:30 p.m., Jan. 25, Devino Auditorium, Corbett Business Building. "Road Trip to New York City," April 23-25. x1840.

26 Tuesday

"Don't Talk About Us Without Us: Women With Disabilities," by Laura Lee Ash, legal intern, University of Maine System, and Patty Coleman, part of the Women in the Curriculum and Women's Studies Program Lunch Series, 12:30-1:45 p.m., Jan. 26, Bangor Lounge, Union. x1228.

Coffee House with Matthew Abelson on Hammered Dulcimer, offered by the Union Board, 8 p.m., Jan. 26, Peabody Lounge, Union.

27 Wednesday

"Financial Well-Being: What Every Woman Should Know," by Judy Groth, American Express personal financial advisor, 11-11:55 a.m. and noon-12:55 p.m., Jan. 27, Wells Conference Center. 990-4787.

PEAC Brown Bag Lunch on Student Perceptions of Academic Life at UMaine, by Phil Pratt, offered by the Professional Employees Advisory Council, noon-1 p.m., Jan. 27, Bodwell Lounge, Maine Center for Arts.

Open House for New Media Lab, noon-6 p.m., Jan. 27, Lord Hall.

"Beyond Geddinagrupe: Fostering Better Small Group Discussions," by Connie Perry and Brenda Power, offered by Instructional Development, 3-4:30 p.m., Jan. 27, Totman Lounge, Union.

Faculty Senate meeting, 3:15 p.m., Jan. 27, Mahogany Room, Wells Conference Center. x1167.

Community Supper, offered by OCB, 6-8 p.m., Jan. 27, Orono Community House. x1840.

Men's Basketball: Maine vs. Vermont, 7:30 p.m., Jan. 27. Admission fee. xBEAR.

28 Thursday

UMaine Career Fair, featuring more than 70 employers and organizations, offered by the Career Center, 10 a.m.-3 p.m., Jan. 28, Wells Conference Center. x1359.

"Zafaryab Ahmed: The Struggle for Human Rights," by Zafaryab Ahmed, journalist and human rights activist in Pakistan and an Amnesty International "prisoner of conscience," part of the Socialist and Marxist Studies Luncheon Series, 12:30-1:45 p.m., Jan. 28, Bangor Lounge, Union. x3860.

Hearts and Minds, part of the Peace and Justice Film Series, offered by MPAC, 7 p.m., Jan. 28, Devino Auditorium, Corbett Business Building. x3860.

"Alternative Ideas in Printmaking: Non-toxic Processes and Personal Revisions of the Matrix," by Elizabeth Dove, the 1999 Elizabeth Warren Graves Fine Arts Fund Visiting Artist, offered by the Art Department, 7 p.m., Jan. 28, Rogers Hall. x3253.

Like Water for Chocolate, part of the International Film Festival, offered by International Programs, 7 p.m., Jan. 28, 100 Neville Hall. x2905.

Thursday Night at the Bear's Den with Groove Diggers, offered by OCB, 9 p.m., Jan. 28, Union. x1840.

29 Friday

Jazz TGIF with Cool & Beyond, offered by the Union Board, 12:15 p.m., Jan. 29, Damn Yankee. x4194.

Opening Reception for Museum of Art Exhibits Evelyn Hofer: Interiors and Emerson in Italy, with a gallery tour by Edmund Yankov, curator of the Hofer exhibitions, 5-7 p.m., Jan. 29, Carnegie Hall. x3255.

Brigadoon, part of the Maine Center for the Arts performance season, 8 p.m., Jan. 29, Hutchins Concert Hall. Admission fee. x1755.

30 Saturday

Women's Basketball: Maine vs. Drexel, 1 p.m., Jan. 30. Admission fee. xBEAR.

Women's Ice Hockey: Maine vs. Colby, 3 p.m., Jan. 31. xBEAR.

31 Sunday

Baycka Voronietzky Faculty Recital, part of the School of Performing Arts season, 7:30 p.m., Jan. 31, Minsky Recital Hall. Admission fee. x1755.

1 Monday

"Baha'is in Iran: A Defenseless Community Under Attack," by Nasser Rohanni, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies, 12:15-1:30 p.m., Feb. 1, Bangor Lounge, Union. x2609.

Application for May Graduation Due, 4:30 p.m., Feb. 1, 100 Wingate Hall.

Women's Basketball: Maine vs. Hofstra, 7:30 p.m., Feb. 1. Admission fee. xBEAR.

3 Wednesday

"Dietary Supplements: Why Do Women Need Them or Want Them?" by Mary Ellen Camire, part of the Women in the Curriculum and Women's Studies Program Lunch Series, 12:30-1:45 p.m., Feb. 3, 109 Corbett Business Building. x1228.

4 Thursday

"Demystification of Martin Luther King Jr.: Separating the Real King from the Fictionalized Nonthreatening Dreamer," by Doug Allen, part of the Socialist and Marxist Studies Luncheon Series, 12:30-1:45 p.m., Feb. 4, Bangor Lounge, Union. x3860.

"Props and Ploys: Keeping Students Engaged," by Irv Kornfield, offered by Instructional Development, 3:30-4:45 p.m., Feb. 4, 202 Shibles Hall.

Does the U.S. Need Nuclear Weapons? and Military and the Environment, part of the Peace and Justice Film Series, offered by MPAC, 7 p.m., Feb. 4, Devino Auditorium, Corbett Business Building. x3860.

Men's Basketball: Maine vs. Northeastern, 7:30 p.m., Feb. 4. Admission fee. xBEAR.

Karaoke in the Bear's Den, offered by the Union Board, 9 p.m., Feb. 4, Union. x1734.

5 Friday

Jazz TGIF with Al Delgado & The Fusion Jazz Trio, offered by the Union Board, 12:15 p.m., Feb. 5, Damn Yankee. x4194.

Women's Ice Hockey: Maine vs. Dartmouth, 7 p.m., Feb. 5. xBEAR.

Performance by the Padua Chamber Orchestra, with conductor and pianist David Golub and clarinetist David Shifrin, part of the Maine Center for the Arts performance season, 8 p.m., Feb. 5, Hutchins Concert Hall. Pre-concert preview with David Klocko, 7 p.m., Minsky Recital Hall. Admission fee. x1755.

Performance by Comedian Todd Sawyer, offered by the Union Board, 9 p.m., Feb. 5, Wells Conference Center. Admission fee. x1734.

6 Saturday

Thursday Club Brunch, featuring a performance by the Heritage Singers, 10:30 a.m. Feb. 6, Newman Center, 83 College Ave. Reservations. 866-3155.

Men's Basketball: Maine vs. Boston University, noon, Feb. 6. Admission fee. xBEAR.

Women's Ice Hockey: Maine vs. Dartmouth, 7 p.m., Feb. 6. xBEAR.

7 Sunday

Men's Ice Hockey: Maine vs. New Hampshire, 7 p.m., Feb. 7. Admission fee. xBEAR.

8 Monday

Women of the World Lunch, featuring Middle Eastern foods, coordinated by the Office of International Programs, noon, Feb. 8, Church of Universal Fellowship, Orono. Admission fee. x1509.

A Presentation by Dialogues in Diversity, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies, 12:15-1:30 p.m., Feb. 8, Bangor Lounge, Union. x2609.

9 Tuesday

"What Is This 'Black' in Irish Popular Culture?" by Hazel Carby, chair of the African and African American Studies Program. Yale 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., Feb. 9, 100 Neville Hall. Reception at 7 p.m. x1935.

Coffee House with Sara Wheeler, offered by the Union Board, 8 p.m., Feb. 9, Peabody Lounge, Union. x1734.

10 Wednesday

"Race and Masculinity: Paul Robeson and the Modernist Aesthetic," by Hazel Carby, chair of the African and African American Studies Program, Yale University, part of the Women in the Curriculum and Women's Studies Program Lunch Series, 12:30-1:45 p.m., Feb. 10, 109 Corbett Business Building. x1228.

"Nonviolence: The Third Way," by Larry Dansinger, coordinator, INVERT, part of "Roots of Conflict, Seeds of Peace" series by Peace Studies, 3:30-5 p.m., Feb. 10, 313 Shibles Hall. x2609.

End of First Third of Semester for Withdrawals, 4:30 p.m., Feb. 10.

Women's Basketball: Maine vs. Vermont, 7:30 p.m., Feb. 10. Admission fee. xBEAR.

Ongoing Events

Entertainment

"Follow the Drinking Gourd," a Planetarium show, 7 p.m., Fridays, through Jan. 29. Admission fee. x1341.

Exhibits/Demonstrations/Tours

Evelyn Hofer: Interiors and Emerson in Italy, Museum of Art exhibitions, Jan. 29-March 17, 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.

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

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

Jordan Observatory open any clear Friday or Saturday night (above 10 degrees F). x1348.

UMaine Offers Africa Course for Camden Conference

The University of Maine, in collaboration with the Camden Conference, is offering a course that will focus on the history, culture politics and economic status of modern-day Africa.

"Africa in the Age of the Internet" meets Jan. 23 and April 17 at UMaine, and March 20 at Camden Library. The course curriculum also includes attendance at the internationally acclaimed Camden Conference from Feb. 26-28. The three-credit course will count toward a journalism, political science or education workshop requirement.

UMaine professors Lyombe Eko, assistant professor of journalism and mass communication; James Warhola, professor of political science; and Herman Weller, associate professor of education and human development, will teach the course.

"The purpose of the course is to provide interested students with an overview of major aspects and trends in Africa," says Warhola. "We hope that people will learn from the course about the diversity, richness, and remarkable potential and achievements that Africa, and most of all, its people have to offer to the human family."

The course will discuss the issues and ideas explored in this year's Camden Conference on Sub-Saharan Africa. Emphasis will be on the historical, cultural, economic, political and international relations realities in Africa.

The conference will feature speakers from both the U.S. and Africa and panel discussions, as well as a keynote address by Margaret Dongo, an independent member of the Zimbabwe Parliament.

"The course will tie in with the conference by enabling interested students to gain academic credit from the University of Maine while expanding their intellectual horizons through interaction with major figures in the field of African affairs," says Warhola.

Roy Salzman, president of The Camden Conference, says the course is one of many Community Extension events planned in the two months prior to the conference. Other events include: exhibitions of African art at Rockport's Maine Coast Artists Gallery and Camden Public Library; a concert by Ladysmith Black Mambazo at the Camden Opera House; and an African literature course at the Penobscot School, Rockland.

"The basic mission of the Camden Conference is to provide a community forum for the exchange of ideas on key global issues. We chose Sub-Sahara Africa because of the general lack of understanding about this vast and increasingly important part of the globe, comprising some 47 different countries and nearly 700 million people," says Salzman.

"We so often think in terms of stereotypes when it comes to that area of the world without looking at the complexities and full picture of Africa."

The Camden Conference began in 1988 to heighten community awareness of foreign affairs. This is its 12th annual conference with past conferences covering other significant regions or cultures such as Japan, Russia, China, Islam and last year, Latin America. ▲

Training sessions on the use of on-line FAST (Financial Accounting System) will be offered in 111 Corbett Business Building on the following days: Friday, Feb. 5, 3:15-4:15 p.m.; Wednesday, March 3, 9-10 a.m.; Thursday, March 11, 1-2 p.m. All are invited to attend. Contact Beth Morin, x1552, to reserve a space. Class size limited to 20 participants per session.

Center Stage

School of Performing Arts

Voronietzky in Recital

Works of Schubert, Scarlatti and Bach are among the works to be performed in a recital by pianist Baycka Voronietzky Sunday, Jan. 31, 7:30 p.m., in Minsky Recital Hall.

Also on the program will be a composition by faculty member Beth Wiemann. Wiemann wrote *A Great World of Light* for piano, cello and soprano as a eulogy for Voronietzky's brother. Accompanying Voronietzky in the performance of the piece will be cellist Diane Roscetti and soprano Nancy Ogle.

Oratorio Rehearsals

Oratorio Society will hold its first rehearsal on Monday, Jan. 25, 7-9 p.m., Choral Rehearsal Room, Class of 1944 Hall.

Area singers are invited to join the Oratorio Society, conducted by faculty member Kevin Birch. The ensemble is composed of singers from the community and the University, both students and faculty. No auditions are required to join the group, but regular attendance at rehearsals is mandatory.

This year, the Oratorio Society will perform Francis Poulenc's *Gloria* and Leonard Bernstein's *Chichester Psalms*, in collaboration with the University Singers. The performance will be April 27 in the Maine Center for the Arts. Scores are available at the University Bookstore. For information, call 581-4702.

Look Who's On Campus

Iranian anthropologist **ZIBA MIR-HOSSEINI** will be on campus Monday, Jan. 25, to lead a discussion following the film she co-directed, *Divorce Iranian Style*. The film will be shown at 7:30 p.m., 101 Neville Hall. Mir-Hosseini is the author of *Marriage on Trial: A Study of Islamic Family Law, Iran and Morocco Compared*. Her book inspired film producer Kim Longinotto to collaborate with her on the documentary, set in a small courtroom in central Tehran. Longinotto and Mir-Hosseini gained unprecedented access to the country's family court system to reveal, with the barest of commentary, Iranian women's strength and ingenuity – challenging the media's often over-simplified images of women in the Middle East. Mir-Hosseini's latest book, *Feminism and the Islamic Republic: Dialogues with the Ulama*, will be published this fall by Princeton University Press.

ELIZABETH DOVE, the 1999 Elizabeth Warren Graves Fine Arts Fund Visiting Artist, will be on campus next week and will give a slide lecture, "Alternative Ideas in Printmaking: Non-toxic Processes and Personal Revisions of the Matrix," at 7 p.m., Thursday, Jan. 28, Rogers Hall. Dove will discuss her work with the Canadian School for Non-toxic Printmaking and its summer series of non-toxic printmaking workshops, attended by printmakers from throughout the world. Her UMaine presentations serves as an introduction to ongoing work with non-toxic printmaking research. In her work, Dove's imagery has focused on the concepts of time and timeliness, and the search for an absolute in the midst of the transience of the everyday. Subjectively using elements of scientific investigation, Dove explores body imagery as manifestations of the temporal and the eternal.

HAZEL CARBY, chair of the African and African American Studies Program at Yale University, will give two lectures on campus Tuesday-Wednesday, Feb. 9-10. Her first public lecture, "What Is This 'Black' in Irish Popular Culture?" begins at 7:30 p.m., Feb. 9, 100 Neville Hall. She also will speak Feb. 10 on "Race and Masculinity: Paul Robeson and the Modernist Aesthetic" beginning at 12:30 p.m., 109 Corbett Business Building. Carby is the author of *Racemen: The Body and Soul of Race Nation and Manhood* and *Reconstructing Womanhood: The Emergence of the Afro-American Woman Novelist*. Her forthcoming book, *Cultures in Babylon*, will be published this spring. Carby taught at Wesleyan University prior to joining the Yale University faculty in 1989.

People in Perspective

Beginning next week, UMaine employees will have the opportunity to take advantage of a weekly drop-in clinic where they can take computer-related troubles and tribulations and find answers.

The clinic, one of the computer courses offered by the Continuing Education Division, is designed as open access time for participants to ask questions and solve computer problems, improve their computer skills and explore electronic communication.

Instructor Spencer Smith is hoping there also are participants who have yet to find a computer's on-switch.

Three short years ago, that's the position in which Smith found himself. Today, he has three computers – two of which he built himself – at home. An offset press operator in Printing Services by day, Smith spends up to 40 hours a week on the computer after hours and on weekends. A proponent and practitioner of lifelong learning, Smith leads this 12-session clinic and offers assistance to others in the campus community who appreciate his computer expertise and how he achieved it.

"While young people and retirees have found computers, I still think there's a big segment of people ages 45-55 who haven't," says Smith. "We fell through that crack during a time when there were no computers in our schools and some of us subsequently have had little or no exposure to them.

"Learning how to use a computer can give these people ready access to information, a new hobby, a chance to see other parts of the world. In today's world, there are even Websites that cater to people in this age group, including self-help sites for how to use a computer. What it takes is spending time to learn," he says.

Smith joined the University community in 1985 after being in the printing business in the Bangor area for two decades. A former helicopter mechanic, Smith has spent his life in avocations that involve working with his hands. For 15 years, he has owned and operated Windswept Farm Perennials in Hampden, has done woodworking, including furniture making, and has taught a variety of navigation courses as a member of the Maine Army National Guard. But through it all, he didn't use computers because they seemingly had

no direct application to his job or pursuits.

"Going into computers is something I didn't think I would ever do," says Smith. "It wasn't until I was elected to CEAC (Classified Employees Advisory Council) and needed e-mail to correspond with everyone else that I started learning about computers."

Learning how to use FirstClass was Smith's introduction to computers. Perpetually interested in understanding "why and how things work," Smith then began taking courses to learn computer technology and programming from the inside out. His training has included 13 asynchronous classes in Web design and training as a PC technician that will lead to an A+ certification. Effective communication in an electronic age has been at the heart of all Smith's learning – and now his teaching of those skills.

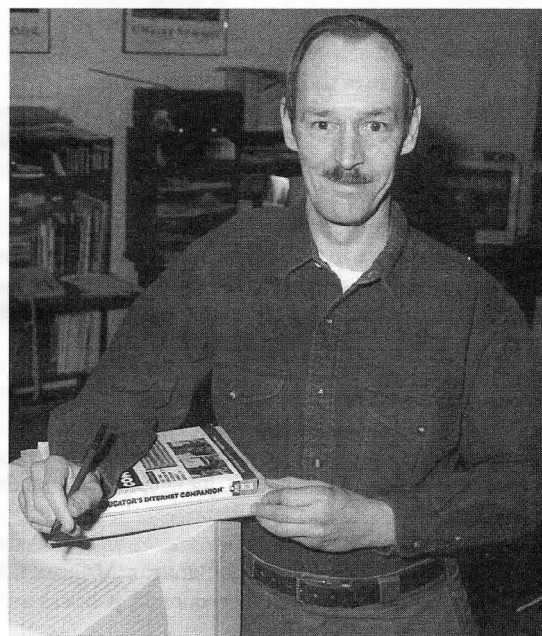
"The evolution has been very rapid. Now I work on the computer seven days a week. I don't spend a lot of time surfing the Net, but in design and photo manipulation. I enjoy the technical aspects."

The fascination, says Smith, is that there is "so much material out there and you can't learn it all." As a veteran pressman, Smith is in a unique position to see the dramatic impact technology has had on both printed and electronic publishing.

"Information on the Web is usually so current and available at the click of a button. If you look at a textbook, you know the information is at least two years old (by the time it is published).

"But electronic publishing never will replace printing," says Smith. "Instead, it will enhance it. Technology will continue to make printing more efficient and give the viewer a better quality product, but the written word and graphics will always be there.

"I always have been interested in trying to find ways to convey information accurately and as rapidly as possible," says Smith. "For instance, in Website design, people think you need to be glitzy but what it comes down to is



Spencer Smith

the need to communicate clearly."

CEAC's Website was designed by Smith and posted in 1997 as another means for classified employees to communicate and get pertinent information. He also has provided assistance to several campus users with computer problems.

"I felt it was a good mission," says Smith of his involvement in the campus community. "I had the information and now somebody else could use it too. People at the University have helped me get much of my training, and this is a way to give back. I am not a teacher and am actually shy about getting up in front of a class. But I enjoy it because people need and appreciate the help.

"For many people, getting over the fear of technology is the first step. If they have enough courage to come to a class and get the basics, they will use their skills and come to the next clinic with learning.

"That's the way I structure the learning because I was there. Learning the basics makes understanding the rest so much easier and acts as a springboard to the next steps they want to take in computers. The future must be planned for now as it is already here."

Nichole Lachance was 10 years old when she first learned about the field of communication sciences and disorders that is now the focus of her graduate work.

“As a result of her diagnosis, we realized that my brother’s limitations were organic. We understood his needs better and were not going to make the mistakes that would set him up for failure. We became informed advocates.”

“Working with that caliber of faculty, plus getting this quality near home, was the draw for me. It is a dynamic atmosphere,” says Lachance. “What is most appealing to me about this program is the diversity of opportunity for undergraduate and graduate students, including faculty research that is open to student participation and the broad range of clinical placements.

Lachance has spent eight months working with schizophrenic patients at Bangor Mental Health Institute to improve their communication. This semester, she is working with children in two elementary schools. This summer, her placement will allow her to work with people with neurological problems, including those resulting from head injury and stroke.

"What fascinates me most about this field is the science and the art involved. We use a scientific approach in the evaluations and designing of treatment programs. The art comes in when you make the therapy come alive for the patient. You set the tone with your passion and enthusiasm. You have to bring your interpersonal and nurturing skills into play. The art is in getting them where you see they need to go in their treatment.



Nichole Lachance

Graduate Student Focus

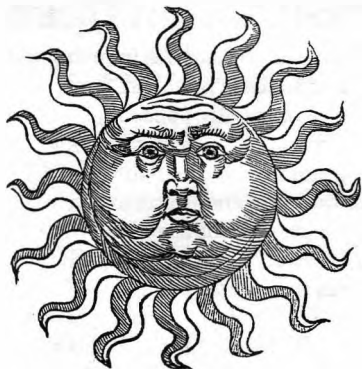
"We have to be competent to address the speech or language needs that result from multiple causes in people of all ages," says Lachance. "From trauma to dementia, if there is anything that interferes with the ability to communicate, we're there. This program is designed to turn out speech-language pathologists who can work with populations of all ages, with any number of need, in any number of settings. It is a tall order with just two years of academics and clinicals, and one fellowship year. It is very exciting.

“Our role is to foster communication if it is absent or delayed in a person, to restore communication ability when lost or damaged, or to compensate for it if it cannot be restored. It is very liberating for a person to have lost the ability to communicate and then to recover it, or to achieve it where it was missing, and that’s the reward for me. Aside from breathing, nothing is more automatic, unconscious and crucial to life than communication,” says Lachance. ▲

The University of Maine offers the only master's program in speech-language pathology in the state and is accredited by the American Speech-Language-Hearing Association (ASHA). That is particularly important with the shortage of speech-language pathologists in the school systems, says Lachance. It also means that the nationally recognized research of the Department's faculty includes studies with direct implications for Maine.

The Department also includes a Diagnostic Clinic, which performs consultations statewide. In addition, the Department has recently designed, with the University of Cincinnati, a special program headed here by Joe Dinapoli to assist Maine school-based speech-language pathologists to achieve their master's degree. A specialty clinic devoted to stuttering was added to the Department in fall 1998.

One of the biggest misconceptions concerning communication sciences is that speech language pathologists work primarily on articulation, or the pronunciation of speech, says Lachance. While articulation may have been the primary focus of therapy



UMaine's Day in the Sun

The challenge of engineering and concern for environmental sustainability have empowered more than a dozen UMaine students to design, build and demonstrate a solar-assisted electric vehicle to represent the University of Maine in the 11th annual American Tour de Sol in May, organized by Northeast Sustainable Energy Association (NESEA).

The race/rally May 22-28 begins in Waterbury, Conn., and ends 300 miles away in Lake George, N.Y. Vehicles ranging from cars and motorcycles to bicycles and buses using environmentally friendly electric motors are entered. UMaine will be one of an expected 45 entrants – a third of all the participants – representing colleges and universities across the country. Teams earn points with their vehicles in a variety of areas, including endurance and speed. The goal of the competition and educational event is to promote a more sustainable future through electric vehicles and their clean, renewable fuels.

*The Website of the solar vehicle team is
www.ume.maine.edu/solar*

In the UMaine classroom, the hope of racing the first solar-powered vehicle representing UMaine in the Tour de Sol has attracted students in the natural sciences who have little mechanical training, and engineering students who have limited experience in environmental activism. All are drawn to the year-long course by the challenge of such a complex project and the statement it ultimately can make.

The lessons go far beyond learning welding or wiring. Students are embroiled in seeing a project through from concept to design and construction. They have had to learn the importance of teamwork and communication. Despite the hard work ahead of them, the looming deadlines for the Tour de Sol and the 300 long miles between Connecticut and New York under solar power, the biggest challenge facing the students is fund raising.

"This is not your typical textbook course," says Ben Dresser, the teaching laboratory coordinator for Bio-Resource Engineering who co-teaches the class with mathematics lecturer Paul Van Steenberghe. "There is a lot of communication and interaction among the students. They are picking up some practical skills, including how to construct a project in a safe manner. Other skills they've gained by having to raise money for the project, showing a portfolio and talking about the budget needed. The students are the winners, learning interpersonal skills they would not get in class but need in the real world."

Students enrolled in the two-credit BRE298 each have averaged 100 hours of work on the project – a time commitment that will be stepped up this semester in order to make the competition deadlines. The class involves two hours of shop time, two hours of lab class, and as many as six hours

of applying what they learned to building the vehicle.

"A lot of people don't like to get involved in projects this complex, but everyone should donate their time for something. In this case, this is an excellent opportunity to learn about alternative energy," says Tim Coyle, a junior majoring in electrical engineering from East Corinth.

"I look forward to driving the vehicle," says Carly Delsignore, a third-year student from Greenbush majoring in natural resources. "I expect we'll get a lot of weird looks but it will be awesome that it will be partially powered by the sun."

The Solar Black Bear, as the vehicle is dubbed, is a 1987 Chevy pickup that is being converted into a solar-electric, zero-emissions vehicle. The truck was first converted to an electric vehicle in 1993 by Bangor Hydro-Electric, which donated it to the project last fall.

Starting with an electric vehicle saved the students money and almost 10 months of the work required for conversion. This semester, the focus will include updating components and stripping excess weight from the vehicle. To be eligible for the competition, the team must submit a video of the vehicle "going down the road" by mid-March.

To date, the students have raised \$3,000 in donations; a minimum of \$5,000 has yet to be raised to enable the team to have the vehicle completed for the Tour de Sol. The amount of

continued on page 9



Members of the UMaine Solar Powered Vehicle Team who worked on the project include, front row, left to right, Mike Gold, Josh Roy and Jason Reinalda; second row, left to right, Tim Coyle, Corey Wheaton, Paul Van Steenberghe, Kim Otis, Carly Delsignore and Aaron Bell; Jon LeBlanc, Joe Decker, Matthew Albert and Ben Dresser.

RECIPIENTS OF FACULTY RESEARCH, SCIENTIFIC EQUIPMENT AND BOOK FUNDS ANNOUNCED

Daniel Dwyer, vice provost for Research and Graduate Studies, is pleased to announce the recipients of the Regular Faculty Research Fund and the Scientific Equipment and Book Fund competitions. 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.

Regular Faculty Research Fund Competition:

Harold Dowse, Biological Sciences, "Molecular Mechanisms of Hormonal Control of a Cardiac Pacemaker"

Michael Grillo, Art, "Perspective as Rhetorical Form in Visual Language"

Keith Hutchison, Biochemistry, Microbiology, and Molecular Biology, "Control of Development in Zebrafish"

Alan Rosenwasser, Psychology, "Neural Mechanisms Mediating Drug Effects on Circadian Rhythms in the Rat"

David Sanger, Anthropology, "Stone Tool-Making at Quebrada Jaguay: New Evidence about the First Americans"

Scott See, History, "Collective Violence in Quebec and Ontario"

Kristen Sobolik, Anthropology, "DNA Analysis of Prehistoric Sea Mink from Maine: Extinct or Extant"

Peter Tarasewich, Maine Business School, "A Study of Web Site Design, Effectiveness, and Usability"

Scientific Equipment and Book Fund Competition:

Darrell Donahue, Bio Systems Science and Engineering, "Bio Reactor Fluid Flow Control System"

Francis Drummond, Biological Sciences, "Insect Chill Table"

Susan Groce, Art, "Integrated Metal Halide Light Exposure Unit for Photo-Etching"

Nancy Hall, Communication Sciences and Disorders, "Audiotape and Videotape Equipment, Audio and Videotapes, Transcriber"

Marie Hayes, Psychology, "Electrophysiological and Actigraphic Equipment and Software"

James McClymer, Physics and Astronomy, "A Correlator"

John Ringo, Biological Sciences, "Plant Growth Chamber"

Claire Sullivan, Communication and Journalism, "Marantz Portable Cassette Recorder, Model 430; Carrying Case; Protective Case; and Omni Microphone"

Solar *continued from page 8*

money raised will determine factors such as whether factory-made solar cell panels can be purchased or if the vehicle can get a coat of paint for the competition. Batteries alone start at \$2,500 a set (24 deep-cycle batteries per set).

"Almost everyone I talk to about the project asks why we would be developing a solar vehicle in Maine (with its limited hours of daylight). But what if we can do it in Maine?" says Van Steenberghe. "And if we can do it in Maine, then it can easily be done in Arizona. If we're only supplementing 25 percent of the energy for such a vehicle, that's better than nothing."

Some on the student team are members of the Student Environmental Action Coalition (SEAC) and worked with Van Steenberghe, the group's advisor, a year ago to design a three-wheeled solar-powered bicycle. The 50-pound cycle, constructed from six bikes salvaged from the Old Town dump, an old ironing board, kitchen chair, and used conduit, can be pedaled by hand or foot. It also can travel up to five miles at 12 miles an hour on a single three-hour charge of its solar module and battery system.

Completion of the cycle, which is used on campus to promote awareness of solar-powered vehicles as the cornerstone of a sustainable transportation system, sparked renewed enthusiasm among SEAC members about the possibility of developing an even more sophisticated solar-powered vehicle.

Van Steenberghe brought the idea for the project to Bio-Resource Engineering, which many in the campus community have turned to through the years for custom fabrication and technical expertise.

"I see a reward in this that is not just for Bio-Resource Engineering but for all of the University of Maine," says Dresser. "We will be demonstrating an electric truck in a rally that gets international coverage. According to race organizers, more than 150 million people all over the world saw coverage of the last race. No matter how you place, participants in the Tour de Sol win by being there."

The project has a lot of promise, says Joe Decker of Phillips, a senior double majoring in bio-resource and mechanical engineering. "When I look back on the experience, I hope it's because we see another University of Maine team in the news and going well.

"It will be a good feeling knowing we started it." ▲



CCAUE DISTINGUISHED SERVICE AWARD

The 1998 Distinguished Service Award of the Combined Charitable Appeal for University Employees was presented to Fran Daly-Griffin, right, a volunteer in the University community for the past two decades who also has served a number of years in charitable giving leadership. Presenting the award to Griffin were this year's CCAUE campaign's co-chairs Candace Jordan and Scott Delcourt. Daly-Griffin's leadership includes serving as vice chair of what was then United Way campaign in 1985, 1986 and 1988, chair in 1987, and co-chair in 1992. The first CCAUE Distinguished Service Award was presented last year to another long-time volunteers Barbara Hikel, Candace Jordan and Judy Round.

This year's CCAUE campaign has now met and exceeded its goal, raising more than \$70,500.

BANGOR ART SOCIETY EXHIBIT IN CHADBOURNE HALL

The Bangor Art Society's spring exhibit at the Continuing Education Division offices in Chadbourne Hall opened Jan. 19. The exhibit is open to the public. Original works by area artists are exhibited on a rotating basis every three months.

LECTURE TO BE RESCHEDULED

A lecture, "Is Feminism Dead?" by Renee Berry Huffman, national board member and 1999 chair N.E. Women of Color and Allies Summit, NOW, originally scheduled for this month has been postponed. It is expected to be rescheduled for later in the semester. The lecture is part of the Women in the Curriculum and Women's Studies Program Lunch Series. For more information, contact WIC/WSP, x1228.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

A Tool for Medical Diagnosis

Consider the music of speech. With stress, rhythm and intonation, we add meaning and context to our words. Putting stress on one syllable instead of another can change a noun into a verb. We use the melody of speech to ask questions and to convey shades of emotion.

Judy Perkins Walker, an assistant professor in the Department of Communication Sciences and Disorders, is working with her students to turn this aspect of speech, also known as prosody, into a tool for medical diagnosis. Changes in the ability of the brain to process prosody, she says, may be useful in the assessment and treatment of people who have suffered a stroke.

Walker's career includes 12 years in clinical practice in New England and 10 years as a researcher in hospitals and clinics. She has specialized in the care of people with strokes, head injuries and other neurological disorders such as Parkinson's and Alzheimer's Diseases. She received her Ph.D. at the University of Massachusetts in 1994 and completed a post-doctoral fellowship at Purdue University in 1995. She came to UMaine in early 1998 from Dartmouth-Hitchcock Medical Center, where she was the head of the Speech-Language Pathology Program.

"Stroke is different from head injury because people who have had a stroke have focal damage to one specific part of their brain," says Walker. "Therefore it is easier to make associations between the brain and language in stroke patients. I'm interested in people who have had left hemisphere strokes, because the left hemisphere is dominant for language in about 95 percent of the population. I'm interested in studying language disorders, otherwise known as aphasia, in patients who have had left hemisphere strokes."

In her previous research, Walker has found support for a hypothesis that prosody is processed by both hemispheres of the brain. The left hemisphere is responsible for processing prosodic patterns that serve a linguistic function, such as stress differences in nouns and verbs, and the right hemisphere processes prosody for non-linguistic purposes, such as determining the emotional state of the speaker. These findings were published in the journal *Aphasiology* in 1996.

Knowing how a stroke in specific areas of the brain affects a listener's perception of and response to a verbal statement can help physicians pinpoint where damage has occurred. Additionally, this knowledge may even provide the foundation for new treatments in speech-language pathology.

At present, scientific knowledge is inadequate for such applications, says Walker. Researchers in the field of neurolinguistics do not know enough about how and where the brain processes prosody. Developing a better understanding of the relationship between specific regions of the brain in processing prosodic patterns is the current focus of Walker's research. As a first step, she and her students have developed computer-based reaction time experiments to assess the ability of people who have had a stroke to perceive different types of these patterns in speech.

"Based on my clinical experiences, you can assume a site of lesion in the brain by virtue of behaviors that you're actually observing. And vice versa, I can receive a CAT scan result and make inferences about the type of language deficits I'm going to see based on the site of damage that's seen on the scan.

"In fact, oftentimes when a patient first has symptoms of a stroke, the stroke is in evolution, and the initial CAT scan work-up will not pinpoint the site of lesion. It's useful to have a speech-language pathologist do a language assessment on these patients

to help guide neurologists in pinpointing the site of lesion. Typically, when a repeat CAT scan is done later, radiologists can determine the exact site of lesion."

Walker's experiments use a personal computer to play sentences and record response times and verbal accuracy from a subject whose stroke location is known. The responses will be analyzed quantitatively, and Walker and her students hope to use the data to develop associations between language and stroke.

Students currently involved in the project include Amy Chadbourne of Newburgh; Rebecca Price of York; and Melissa Buzzard of Hunt Valley, Md. Volunteers are currently being recruited for the study. Contact Walker, 581-2003.

The Measure of the Human Biceps

Applying everyday mechanical devices such as pulleys and levers, a class of University of Maine engineering students has devised new ways to measure the strength of the human biceps. By the end of the fall semester, they had designed and built three new machines that will be used by future students pursuing a new concentration of biomedical engineering courses.

The course, Engineering of Biological Systems, was taught by Rosemary Seymour, assistant professor in BioSystems Science and Engineering. "First, I covered details about the muscles, bones and circulatory system. This project allowed them to get into the design process," Seymour says. "Every one of them changed their designs as they went along. That shows they were thinking about it. This is part of a broader University effort to give students opportunities to do active design work earlier in their educational programs."

The students' biggest challenges were isolating the biceps from other muscles and making their devices compatible with the department's new Instron testing equipment. Isolation is important since other muscles come into play as the arm and shoulder move.

To protect the Instron device, the students had to transform a large force into a small one. The department's Instron is designed to measure small forces, such as what it takes to rupture the skin of fresh blueberries. The maximum capacity is 50 pounds, and biceps muscles are capable of generating forces over that limit.

Each of the devices uses a different principle of operation, but results are similar: force applied by the biceps muscle is reduced by mechanical means to a level within the Instron's limits.

In addition to working with Seymour, students received professional guidance from Angela Green, an occupational therapist at the Brewer Rehabilitation and Living Center, and Robert Lehnhard, associate professor of kinesiology in the College of Education and Human Development.

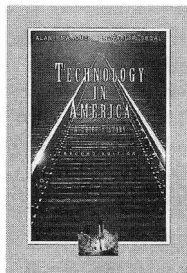
"Their input helped the students understand the biology, physiology and mechanics of what they had to do," says Seymour.

In December, students described their devices before their peers in class and then demonstrated them in practice in the Bio-Resource Engineering lab. One group used a six-foot aluminum rod as a lever to apply force to the Instron. Another team designed a system of interconnected pulleys in a box, and third team used a custom-made arm brace with a long rope also run through pulleys.

Next year, students in this course will use the devices for testing and evaluation purposes.

V O L U M E S

Recent Works by University of Maine Authors



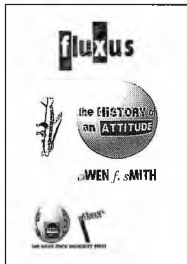
Technology in America: A Brief History
By Alan Marcus and Howard Segal
(Second Edition, Harcourt Brace 1999)

When the first edition of *Technology in America* appeared in 1989, it was the first history of American technology in decades. The first edition has now been updated, revised, and greatly expanded, with several new chapters concentrating on developments over the past quarter century.

As before, so again here, technological changes are integrated with mainstream American history rather than segregated from American politics, economics, culture, and so forth. The principal argument, however, remains: technological change in the United States as elsewhere is not the causal agent of non-technological changes but instead reflects current – and often pre-existing – political, economic, and, not least, cultural values and expectations.

"Technological determinism," the common approach to studying technology in both the past and the present, never satisfactorily explains why certain technologies come about when they do in certain societies but not others and why some technologies succeed while others fail. One must always look beyond the technology itself.

Authors of *Technology in America* are Alan Marcus, professor of history at Iowa State University, and Howard Segal, Bird & Bird Professor of History at the University of Maine and director of the Technology and Society Project.



Fluxus: The History of an Attitude
By Owen Smith
(San Diego State University Press 1998)

Fluxus: The History of an Attitude is based on Owen Smith's exhaustive archival research tracking the physical remains of this interdisciplinary international arts movement that began in the 1950s.

Fluxus was once called the most radical and experimental art movement of the '60s, according to Smith, UMaine professor of art. It is historically complex and philosophically difficult to define, consisting of both an attitude toward art making and culture that is not historically limited, and a specific historical group.

As an attitude, Fluxus is part of a larger conceptual development that is a significant, although often overlooked, current of the 20th century avant-garde. In part, this attitude is traceable to the network of interrelated ideas about culture, politics and society explored earlier in the 20th century by Futurists, Dadaists and Surrealists. Some of these same ideas were later explored after World War II by artists associated with groups such as International Situationism and Nouveau Realisme.

In his book, Smith says the Fluxus is still very much alive. By nature, it is anti-reductivist, for it does not seek the illumination of some end or fact but celebrates participation in a non-hierarchical density of experience. In this way, Fluxus does not refer to a style or even a procedure but to the presence of a totality of social activities. Fluxus seeks to shift from traditional unitarian-based proscriptions to an open-ended, less evaluative participation in the processes.

Fluxus: The History of an Attitude is Smith's third scholarly book.

Book Ends

New & Noteworthy at the University Bookstore

Breakfast on Pluto, Patrick McCabe, HarperCollins (1998). A lyrical and haunting new novel, *Breakfast on Pluto* was the No. 1 bestseller in Ireland for months, and was nominated for the Booker Prize. Set in 1970's Belfast and London, where danger and fear haunt the streets, we meet the endearingly hopeful hero of the story, Mr. Patrick "Pussy" Braden, who is inevitably drawn into the maelstrom of violence and tragedy, but whose gutsy survival and yearning quest for love resonate in and drive the story. McCabe, author of *The Butcher Boy*, is a writer with rare, wonderful insight. In *Breakfast on Pluto* he combines lightness and darkness, laughter and pain, with sensitivity and directness for a story that will last in our hearts and minds.

The Law of Similars, Chris Bohjalian, Harmony Books (1999). From the best-selling author of *Midwives* comes a story of three people whose lives are irrevocably changed by illness, healing and love. Two years after his wife's sudden death, Vermont state prosecutor Leland Fowler finds that the stress of raising his small daughter alone has left him with a chronic sore throat. His malady has eluded conventional medicine and he turns to Carissa, a homeopath for help. When Carissa, with whom he has fallen in love, comes under investigation involving one of her patients, Leland is faced with a moral and ethical dilemma. Set against the ongoing clash between conventional and alternative medicine, *The Law of Similars* is a haunting and deeply atmospheric tale.

Mosquito, Gayl Jones, Beacon Press (1999). Sojourner Nadine Jane Johnson, also known as Mosquito, is an African-American truck driver. Set in a south Texas border town, *Mosquito* is the story of her accidental and yet growing involvement in the "new underground railroad," a sanctuary movement for Mexican immigrants. The original and appealing characters of *Mosquito* take the reader on an unforgettable journey and are testimony to the brilliance of this gifted writer.

▼ Reminder: Last day for spring semester textbook refunds is Jan. 26.

WOMEN IN THE CURRICULUM SUMMER GRANTS

The Women in the Curriculum Program is committed to supporting scholarship on women and to assisting in the development of a university curriculum that is inclusive of the history, contributions, values, aspirations and perspectives of women as well as men. Toward these goals the WIC Program offers grants to University of Maine faculty in all departments for (1) curriculum development and revision, (2) research projects, (3) projects aimed at improving the academic climate for women students, and (4) focused programs of reading.

Eligibility

- ▼ Individual faculty members whose affiliation with the University is expected to continue next year.
- ▼ Departmental and interdepartmental faculty teams are eligible and encouraged. As long as at least one faculty member is centrally involved, teams may include professional and classified staff, students, and others from the community, if appropriate.
- ▼ College committees on teaching.
- ▼ Faculty who have recently begun exploring scholarship on women, and those with experience in Women's Studies scholarship and teaching.
- ▼ Past WIC grant recipients, except those receiving grants last year.

Timing

Preliminary proposals are due March 5, and final proposals are due April 5. Notification of awards should be made around April 26. Awardees ordinarily participate in one or two group sessions in May after graduation. It is expected that the rest of the funded work will be completed during the summer. Certain parts of projects which involve workshops or colloquia with outside speakers or consultants may occur during the academic year, although most planning and development should take place in summer.

Funding Levels

Individual or small team projects may be funded up to \$2,500, reading grants up to \$750. Projects involving a significant part of a department may be funded for up to \$5,000. Requests can be made for stipends as well as expenses of carrying out the project. Amounts will depend on the complexity of the projects and the funds available. For a detailed request for proposals, contact the WIC Office, x1228. WIC Director Ann Schonberger will also be glad to discuss your project with you or provide more information.

Mary Ellen Camire, associate professor of food science & human nutrition, attended the Winter meeting of the Council of Food Science Administrators in San Francisco, Jan. 7-9. She convened a session on working with commodity groups and participated in a meeting at the Culinary Institute of America (CIA) in St. Helena, Calif., to develop collaboration between

CIA and food science programs.

Professor of Art **Susan Groce** has the following exhibitions: *International Juried Show*, New Jersey Center for Visual Arts, Summit, N.J., Juror: Lisa Dennison, deputy director and chief curator, Solomon R. Guggenheim Museum, New York City, Jan. 31- March 13; *1999 North American Print Exhibition*, The Boston Printmakers, Boston University, Juror: Marilyn Kushner, curator of prints and drawings, Brooklyn Museum of Art, March 7-April 3; *National Printmaking 1999*, The College of New Jersey, The College Art Gallery, Ewing, N.J., Juror: Judith Brodsky, Rutgers, Jan. 20-Feb. 17.

Christa Acampora, assistant professor of philosophy, served as the chair of a panel, "The Politics of Decadence," at the Nietzsche and Politics Spindel Conference at the University of Memphis, Oct. 2. In addition, Jan. 17 she presented a talk, "Nora's, 'Dora's, and Dolls," as the Scholar on Stage for the Portland Stage Company's production of *Nora*.

Mark Lutz, professor of economics, presented a paper, "Social Economics, Justice and the Common Good," at the annual meetings of the Allied Social Science Association.

Bonnie Blagojevic, adjunct instructor in Human Development and Family Studies, participated in a panel presentation, "More Early Childhood Connections: The Internet and Early Childhood Educators," at the National Association for the Education of Young Children Conference in Toronto, Nov. 18-21. At this conference, she also presented the ChildMEET (Maine Early Education Telecollaborative) project, as an NAEYC MAG grant recipient.

Bob White, Linda Cross Godfrey, Barbara Howard and **Wanda Westley** hosted the Third Annual Worldwide Lessons in Leadership Series at Jeff's Catering in Brewer, while **Jim Toner** and **Ethel Hill** hosted the event at the Augusta Civic Center Nov. 14. This teleconference was held worldwide with more than 150,000 registrants. More than 500 were in attendance at the Maine locations.

Daniel Sandweiss, assistant professor of anthropology and Quaternary studies, spent the second week of January on Tenerife in the Canary Islands in his capacity as president of the Foundation for Exploration and Research on Cultural Origins (FERCO) Scientific Committee. He met with local archaeologists, gave a talk about "Túcume: Pyramid Center of Ancient Peru" (in Spanish), arranged for this year's funding for the FERCO grant competition to be transferred to the University of Maine (\$100K).

Richard Ryckman, professor of psychology; **Suzanne Graham**, former undergraduate student in psychology; **Bill Thornton**, professor of psychology at the University of Southern Maine; **Joel Gold**, professor of psychology; and **Marc Lindner**, former graduate student in psychology: "Physical Size Stereotyping as a Mediator of Attributions

of Responsibility in an Alleged Date-Rape Situation," *Journal of Applied Social Psychology*, 28:1876-88.

Steven Colburn, associate professor of accounting: "Increasing Shareholder Basis Through Unsecured Promissory Notes: Implications of the Ninth Circuit's Decision in Peracchi," *Journal of Corporate Taxation*, 26(1):45-56 (Spring 1999).

Nancy Fishwick, assistant professor, School of Nursing: "Assessment of Women for Partner Abuse," *Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 27(6): 661-70 (November/December 1998).

Henry Munson, chair and professor of anthropology: "International Election Monitoring: A Critique Based on One Monitor's Experience in Morocco," *Middle East Report*, 28:37-39 (Winter 1998).

Mary Ellen Camire, associate professor of food science and human nutrition: "Chemical and Physical Modifications of Dietary Fiber," *Complex Carbohydrates in Foods*, eds. S.S. Cho, L. Prosky, and M. Dreher (Marcel Dekker Inc., N.Y.).

Daniel Sandweiss, David Keefer, and James Richardson III: "First Americans and the Sea," *Discovering Archaeology*, 1(1): 59-65 (January/February 1999).

Assistant Professor **Jonathan Rubin**, Margaret Chase Smith Center and Department of Resource Economics and Policy: "Shifting Gears," *Forum for Applied Research & Public Policy*, University of Tennessee, Knoxville, 13:4 (Winter 1998).

William Bray, professor and chairperson, Department of Mathematics and Statistics; and Caslav Stanojevic, University of Missouri, editors of "Analysis of Divergence: Control and Management of Divergent Processes," Birkhauser, (December 1997). In addition, Bray and Boris Rubin, Hebrew University, chapter 7 in the volume: "Inversion of the Horocycle Transform on Real Hyperbolic Spaces Via a Wavelet-like Transform. The volume is an outgrowth from a conference held at UMaine in June 1997: the 7th International Workshop in Analysis and its Applications.

Mark Lutz, professor of economics: "Humanistic Perspective" and "Dual Self," The Elgar Companion to Consumer Research and Economic Psychology, P. Earl and S. Kemp eds., pp. 164-69 and pp. 314-19.

Merrill Elias, professor of psychology, **Michael Robbins**, cooperating associate professor of psychology, with Penelope Elias, Boston University, and David Streeten, State University of New York Health Science Center at Syracuse: "A Longitudinal Study of Blood Pressure in Relation to Performance on the Wechsler Adult Intelligence Scale," *Health Psychology*, 17:486-93.

TRIBUTES TO PROFESSOR EMERITUS HAROLD YOUNG

Two German forestry publications recently published tributes to Professor Emeritus of Forestry Harold Young, who died July 25 at the age of 80.

Forst und Holz and *Allgemeine Forst und Jagdzeitung* both noted the career achievements of Young, which included serving as a member of the UMaine forestry faculty for almost 40 years. Young's work had a number of international dimensions. In 1980, he became the first American to receive the Professor of Burckhardt Medaille from the University of Gottingen in Germany. In 1965, he served as president of the World Forestry Conference in Madrid. Young was a Fulbright Scholar in Norway and a research fellow at the Australian National University. At UMaine, he was the founder of the internationally recognized Complete Tree Institute.

His extensive collection of forestry books and journals were donated in the mid-1980s to the Forestry Institute of Nigeria, housed in a library to be named for him.

The tributes to Young cited the influence of his experience and ideas worldwide. One of the publications noted that, with Young's passing, international forestry lost one of its most dedicated and well-known scientists since World War II.

International Notes

The Office of International Programs is sponsoring an international film festival. All films will be on Thursdays, 7 p.m., 100 Neville Hall, free of charge.

| | |
|-------------|---|
| January 28 | <i>Like Water for Chocolate</i> (Mexican) |
| February 25 | <i>White Balloon</i> (Iranian) |
| March 25 | <i>Il Postino</i> (Italian) |
| April 15 | <i>Faces of Women</i> (Ivory Coast) |

An additional film will be added on Feb. 18 in conjunction with a month of Middle Eastern activities. Contact Beth Eustis in the Office of International Programs for additional information.

Women of the World (WOW) lunches for spring are scheduled for:

| | |
|------------|------------------|
| February 8 | Middle East |
| March 8 | Iranian Lunch |
| April 12 | Spring Tea Party |
| May 10 | Norway |

Each meal is followed by a cultural program of the country represented. All meals are at noon, Church of Universal Fellowship, Orono (Except April 12). Cost is \$4. All are welcome. For more information, contact Beth Eustis, x2905, or Lily Alavi-Baktiari, 945-5538.

Partnerships *continued from page 1*

Now in BearWorks, that natural partnership between the College of Education and Human Development and K-12 education in the state is being expanded campuswide to increase and enhance the University's outreach and engagement. The establishment of more and stronger education partnerships between UMaine and K-12 schools will require "deepening and broadening of campus involvement in the different disciplines in the schools," says Cobb. "As a result, we'll see more interdisciplinary teaching and teaming, and less compartmentalization of knowledge in the schools. Eventually, we'll see a dissolving of departmental boundaries in middle and high schools as we're seeing more and more on college campuses.

"We don't see Bearworks as the starting point of new initiatives with K-12 education but lending momentum to some important existing initiatives," Cobb says. "By drawing more segments of the University into these initiatives, more of our campus resources will be involved in this large and incredibly important effort."

Young people in the K-12 system are prospective UMaine students, says Cobb. The more the University of Maine and the K-12 education system can stay calibrated with each other, the easier the transition – and fewer barriers – for students entering higher education.

A strategic plan for making UMaine more of a partner with schools involves taking a greater role in education research, reform and teacher education. The first step, says Cobb, is to identify the ways in which the University has been connected to K-12 school improvement initiatives, and to determine how it can become even more involved with Maine schools as they strive for greater effectiveness.

"My hope is this will deepen and broaden the commitment across the campus, involving other colleges and departments in these relationships. Some have existed over the years, and we're hoping they will be strengthened.

"My view is that many other units of the campus want to be involved, but not all the work UMaine faculty do in K-12 education has been valued within the culture of a research university," says Cobb. "If this BearWorks initiative allows that culture to shift its values to acknowledge the importance and real contributions of faculty's direct participation in school transformation, I think it will have been an invaluable planning effort on this front."

Ultimately, student achievement will be an indicator of success. That is easier for the K-12 system, which already has performance-based student assessment structures in place. "I think we are going to see the University held increasingly accountable for documenting student outcomes, in the same way public schools have been," Cobb says.

Already the University's impact on schools is measurable, Cobb says. For example, a recent legislative report examining the highest and lowest performing schools in the state noted that the greatest predictor of student achievement was the percentage of teachers with advanced degrees in the schools.

"Those schools with a high percentage of their teachers holding advanced degrees (the majority of whom studied at the University) have students who are performing decidedly better," says Cobb. "Graduate study allows teachers to be more reflective about their practice and to study the theoretical frameworks in which their practice is embedded. Through graduate work, we are able to get them to a more sophisticated level of expertise in assessing student learning needs."

It is estimated that 21 percent, or about 1 out of 5 Maine teachers and other educational professionals, earned their undergraduate degree from UMaine. Approximately one-third of Maine

teachers currently have graduate degrees.

The University's increased role in K-12 transformation is going to be a continuing effort that makes substantive progress every year, says Cobb. "With this broad, open-ended agenda and schools constantly under pressure to improve, I see this as a perpetual priority for the University.

"The Aspirations initiative, the Maine Center for Coaching Education, the Leadership in Secondary Education Project are examples of the University assessing the situation, seeing ourselves as part of the education system, and offering questions, data, information and ideas," Cobb says. "In our work with groups like the Maine Principals' Association, in particular our research partnership, the University is in the visioning arena where clearly we are partners in the changes taking place." ▲

Angus *continued from page 2*

Black angus beef is well-known for being lean, and the breed is often interspersed with others in commercial herds, says Tom.

Marcy Guillette, the Witter Farm's livestock manager, will supervise the animals. Members of the student group, UMaine Mad Cows, will also show the black angus at county fairs.

Some of the cows come from superior blood lines with registered champions in their lineage. They will provide Weber with new opportunities for using embryo transfer technology to improve the characteristics of the herd.

Black angus were brought to North America from Scotland in the mid-1800s. The McKennys have raised the breed since 1974 when Tom was teaching history and government at North Yarmouth Academy. "I was a city boy," Tom says, "but Holly grew up on a farm and always enjoyed having animals around. It gets into your blood and becomes a way of life."

The family expanded its herd four years later after Tom left teaching to join his family's oil and gas exploration business. He and Holly built a barn and cleared new pastures. Heather joined a 4-H club and started raising her own black angus. At one point in the 1980s, the family had 70 head of cattle, including both black angus and crossbred animals. They showed their best at fairs from Maine to Maryland and New York.

In 1991, they had the Grand Champion and Reserve Champion black angus females at the Fryeburg Fair. They also sold beef locally.

When Heather went to college, Tom and Holly scaled back the herd to about 20 animals. They continued to attend shows and buy animals with exceptional traits. In recent years, however, Tom's business has taken more of his attention, and last fall, the decision was made to reduce the herd further.

"We didn't want to send these cattle across the country and not know where they might end up. We wanted them to be taken care of, and it just happened that our veterinarian knew that there might be an opportunity at the University.

"We are really excited to have the rest of the herd in Orono. We see this as a great opportunity for students to work with beef cattle and get to know how a viable beef operation can work in New England. The students we've met are enthusiastic, and they have the chance to learn a lot from Jim Weber," says Tom. ▲

SNOW LINE AVAILABLE

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

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

AUTOMOBILE: 1986 Chevy Nova. 4-door, runs fair. Inspection good until October '99. New clutch,

struts. Asking \$500. Call Deb, 581-1805.

HOUSE: Contemporary 4-BR house with attractive floor plan on College Avenue in Orono. Hardwood floor. Two fireplaces and four (two full) bathrooms. Family room with cathedral ceiling. Attached garage. Abuts University property. Asking \$129,000. Call 827-2859.

WANTED

CHILDCARE: Mature, responsible adult wanted to care for infant in my home in Old Town, 2-3 afternoons each week. Must provide own transportation. Call 827-1373.

Directory Changes

Roxanne M. Lee, Records Technician I, Graduate School, Winslow Hall, x3221. E-mail: ROXANNE.LEE@UMIT.MAINE.EDU

Susan Bodyke, Administrative Assistant I, Facilities Management, 103 Service Building, x1400. E-mail: sue_bodyke@umit.maine.edu

Douglas Allen, Professor and Chair, Philosophy, 9 Maples, x3860. E-mail: dallen@maine.edu.

Michael Howard, Associate Professor, Philosophy, 5 Maples, x3861. E-mail: mhoward@maine.edu

Denise M. Baird, Assistant Professor, Sociology, 201G Fernald Hall, x2372. dbaird@maine.edu

Susan F. Greenwood, Lecturer, Sociology, 201C Fernald Hall, x2394. E-mail: SUSANFG@MAINE.EDU

Lavon L. Bartel, Director, UMaine Cooperative Extension, 102 Libby Hall, x2811. E-mail: lbartel@umext.maine.edu

Kathryn Gainguest, Project Director: Peace Studies and Associate Professor Emerita of Sociology, East Annex; 31 Sunrise Terr., Orono, ME 04473, 581-2609

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.

Academic Advisor Support Coordinator, Division of Student Academic Services. Full-time, one-year appointment, with extension for a second year possible dependent on performance. Work year is 10 months from 8/1 to 6/1. Qualifications: Minimum of a master's degree. Experience in academic advising, counseling, administering, and/or teaching will be helpful. Demonstrated success in establishing rapport with a wide range of students, faculty and staff; ability to work with all colleges and departments within the University; and excellent interpersonal and written and oral communication skills. Salary Range: \$23,000-\$25,000. Review of Applications: Will begin as soon as possible and will continue until the position is filled. Start Date: spring 1999 semester and close with the end of the fall 2000 semester. Contact: Send application letter, current resume and list three reference contacts to: Director, Division of Student Academic Services, University of Maine, 5724 Dunn Hall, Orono, ME 04469-5724.

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.

UNIVERSITY OF MAINE COUNSELING CENTER SPRING GROUPS

Moving Through Trauma Group

For women who have experienced incest or sexual abuse and want a safe, supportive environment in which to heal and move forward in their lives.

Relationship Issues and Personal Growth Group

For men and women who experience difficult relationships, and who want to learn more about themselves to aid their relationship skills. The goal of this group is to help members obtain greater self-awareness and self-understanding so as to expand their interpersonal horizons.

Women's Conversation

A gathering of women who are dealing with issues such as stress, identity, relationships and assertiveness. An opportunity for discussion and mutual support.

Coping With Food Group

For students concerned about their eating habits, who want to change their relationship with food and emotions.

Systems-Oriented Therapy Group

In a supportive environment, members will learn to explore their internal experiences in the here-and-now context of the group. The goals of the group are to learn to stay in the present, to reduce anxiety and depression, and to learn to work with others toward greater self-awareness.

Open General Therapy Group

(For part-time students only) For men and women who desire an opportunity for personal growth in a group setting. This group is open to new members throughout the semester; therefore, memberships may change weekly. Meetings are on Wednesdays, 3-4 p.m.

G/L/B/T/? Discussion Group

For students who would like to discuss issues related to sexual orientation. For more information call x4031.

Want to know more about the groups?

Call x1392 for further information and to schedule an interview.

Part-time students are also eligible for groups.

PROFESSIONAL, FACULTY SEARCH, SELECTION GUIDE AVAILABLE

CONFUSED? LONGING FOR AN EASY-TO-UNDERSTAND GUIDE TO THE SEARCH AND SELECTION PROCESS? 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). Be the first in your department to own one!

PHI KAPPA PHI OFFERS GRADUATE FELLOWSHIPS

The University of Maine chapter of Phi Kappa Phi National Honor Society is inviting applications from outstanding senior students and graduates who have not begun graduate work to apply for competitive fellowships worth up to \$7,000 for first-year graduate or professional study. Fifty (50) Phi Kappa Phi Fellowships will be awarded nationwide. Thirty (30) additional Awards of Excellence of \$1,000 will be made.

The criteria used in the selection process include undergraduate scholastic achievement, which encompasses honors and enrichment program participation; leadership, service and activities on campus and in the community; graduate study prospects, including high standardized test scores; personal expression of educational motivation and goals; plus recommendations from persons who know the young scholar. Graduating seniors and recent graduates with superior academic and leadership records should contact the Phi Kappa Phi Scholarship Chair, Scott Delcourt, 2 Winslow Hall (581-3217) for additional information.

Phi Kappa Phi, which was founded in 1897, has more than 280 chapters at universities and colleges throughout the nation. It is the only major national scholastic honor society which recognizes academic excellence in all disciplines. The Fellowship Program was established in 1932 and since then has given more than 1,250 Fellowship awards and 400 Honorable Mention and Awards of Excellence.

Customer Service *continued from page 1*

want to make changes just for the sake of doing things differently."

In fact, most students and campus staff were probably unaware of the changes, says Crawford.

The system now in place allows students to get consistent answers to their questions from highly-trained office staff in a more timely manner, and takes a more integrated approach to meeting students' needs. According to Connie Smith, the Student Financial Aid Office's first assistant director for customer service, "the key is in understanding students' financial aid concerns, educating them in the financial aid process, and then assisting them to find solutions. They must leave here knowing we are empathetic to their situations and that they received the quality service they deserved."

Six years ago, customer service was enhanced with the creation of the Student Counselor Aide Program. "That was a model we found at other schools," says Crawford. "But most institutions stopped there. Two years ago, we decided we needed different and enhanced services for students at the University of Maine. In particular, we needed to be providing even more timely and consistent information, and answering as many questions as possible up front so students would not have to return to the office multiple times to resolve their issues." With the support of John Beacon, dean of Enrollment Management, a new approach was developed.

Proposed by Susan Shogren, associate director of Student Financial Aid, and developed by members of the office's new Customer Service Team, the model now in place uses a team approach to providing both improved processing and efficient service to the public. For example, computer programmers Joe Dupere and Jeff Williams, who used to meet with students on a regular basis, now are able to dedicate their time to the data processing component. This arrangement is to everyone's benefit since it allows them to focus on fine-tuning UMaine's highly computerized and technologically advanced financial aid process, says Crawford.

Due to the combined efforts of the entire staff, the review of financial aid applications, the preparation of financial aid awards, and the certification of loan applications, all occurred earlier and faster this year than in any previous year. Ongoing improvements in processing make it possible for other staff members to assume a greater role in providing service to the public.

"What we realized is that we have highly competent and motivated staff and student employees whose time and attention were diverted by competing responsibilities," says Crawford. Now, only some of the full-time staff and each of four graduate assistants serve as advisors, while some of the most highly trained student employees on campus, called student counselor aides, answer phones and assist visitors at the front desk. Advisors confer with each other and with data processing staff to ensure regulations and policies are consistently applied. Another innovation was the creation of the Appeals Committee, which considers all requests by students and families for review of their financial aid eligibility due to a change in their circumstances.

These changes affect the majority of UMaine students, since so many students rely on the services of the Student Financial Aid Office. An estimated 85 percent of all UMaine students receive some type of financial assistance. Almost 75 percent of UMaine students receive funding through federal financial aid programs, which is higher than the national average. Fortunately, says Crawford, only a portion of all financial aid recipients require direct assistance from office staff. When they do, they meet one-on-one with someone who is ready to focus on their concerns.

Highly personalized service also is time-consuming. "Compared

to 18 years ago, financial aid advising is needed by fewer students, but those who need to see us have more complex questions," says Crawford. "Before this plan, a 40-minute wait for students to see a financial aid advisor was not unusual. It also was unacceptable. Internally, we were not satisfied with the amount of time demanded in seeing students. We needed to make better use of staff and accommodate the needs of students. The front-line service our staff provides, coupled with more information and reminders being distributed to students, has streamlined the financial aid process at UMaine."

Under the new plan, the wait time has dropped significantly to an average of 5 to 10 minutes on most days, the percentage of phone calls that get through has tripled, and comments about services have been highly favorable.

Student Financial Aid has increased its accessibility, with students now able to contact the office not just in person but via email (umfnaid@maine.maine.edu) and on the Web. In the coming months, it is expected that a Web-based database will be in place to allow students using a Personal Identification Number (PIN) to access financial aid information or check their financial aid award status.

In addition, the office is strengthening its ties with other units across campus. A natural liaison is with not only the Bursar's Office but with the Admissions Office, since financial aid is a major recruitment tool. "One of our initiatives is to work with academic staff and faculty, since all academic decisions have the potential for affecting financial aid eligibility," says Crawford.

Crawford invites anyone with comments or other feedback to share it with the staff of the Student Financial Aid Office. Faculty and staff assisting a student who is having particular difficulties are encouraged to contact Connie Smith, 581-1371, or to call the Financial Aid Advisor on duty, 581-1385. For students, assistance is available by calling the office, 581-1324.

"We realize that what we do here often determines whether a student can afford to enroll and continue to attend the University of Maine," says Crawford. "This is a role we take very seriously." ▲

Campuswide Calendar Available

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 a future event and want to check for other events 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 or the calendar website: www.ume.maine.edu/~paffairs/perspectiveweb/mastercalendar.html).

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.

Sponsored Programs

Faculty planning to seek fellowships in support of a sabbatical or other leave in 2000-01 should begin identifying appropriate opportunities now. Deadlines for some major fellowship programs are more than 12 months prior to the award period. Applications for NEH Fellowships, for instance, are due May 1; for Fulbright Awards for Research and/or Teaching Abroad, Aug. 1.

ADEC Distance Education

Consortium solicits preproposals to the USDA Agricultural Telecommunications Program. Grants will support the development and use of an agricultural communications network to facilitate and strengthen extension, education, research, and domestic and international marketing of agricultural commodities and products. Deadline: Feb. 15.

American Philosophical Society

makes grants in aid of scholarship and research in all areas of knowledge except those in which support from government or corporate enterprise is more appropriate. Maximum award: \$6,000. Deadline: March 1.

U.S. Department of Agriculture

has supplemented its FY99 National Research Initiative Competitive Grants Program description. Two programs are amended: Animal Genetics and Genome now includes Animal Genome Basic Reagents and Tools, and Agricultural Systems

encourages systems research relevant to the small or mid-sized agricultural operation. A new program, Epidemiological Approaches to Food Safety, has been added: its deadline is April 5.

Robert Wood Johnson Foundation

invites letters of intent to apply for 1999 Investigator Awards in Health Policy Research, supporting investigators from many disciplines in exploration of innovative ideas and perspectives that may contribute to the theoretical underpinnings and knowledge base of future health policy. Range of awards: \$100,000 to \$250,000. Deadline: April 9.

National Institutes of Health invite applications for research to develop biobehavioral interventions to manage or prevent pain. Investigation of individual differences in pain responses is of interest, as are studies of the neuroanatomical pathways and the neurophysiological mechanisms in pain.

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

WINTER PARKING RULES IN EFFECT

The University's winter parking rules are now in effect. It is illegal to park in employee (blue) or commuter (black) lots between midnight and 6 a.m.

The winter rules stay in effect through May 1. Questions should be directed to the Public Safety Parking Office, 581-4047.

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.

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: Jan. 25, Feb. 22, March 22, April 19.

ACAC CALL FOR INSTRUCTIONAL TECHNOLOGY PROPOSALS

The Academic Computing Advisory Committee requests proposals for instructional technology projects, to be recommended to the Vice President for Academic Affairs and Provost, for funding from a portion of the Student Technology Fee monies. Proposals should develop creative and innovative uses of technology for the unit applying to support the teaching and learning mission of the University. Any unit or consortium of individuals (students, faculty and/or staff) in the University may submit a proposal.

These Instructional Technology Grants are intended to enhance the overall educational experience by funding innovative, creative projects that further the access to and use of technology in the classroom and throughout the University's learning community. The funds to support these projects come from the Student Technology Fee and therefore should "bring technology to students" in a manner that enhances the teaching and learning mission of the University.

Last year, 25 proposals requesting a total of \$550,000 were received. Of these, 18 received full or partial funding. Since there was considerable overlap between a few of the proposals, some were combined in order to gain efficiency in use of funds. In order for projects to be considered in this year's round of funding, 18 hard copies of the proposal must be received by Professor George Criner, 206 Winslow Hall, by 4 p.m., April 3.

Copies of the RRP guidelines, evaluation criteria, budget format and cover sheet are available in hard copy or electronically. This information is also posted on FirstClass. For copies, contact Gail Cormier via FirstClass; phone, 581-3150; fax, 581-4278; Department of Resource Economics and Policy, 206 Winslow Hall.

What's Ahead



**ZAFARYAB AHMED:
THE STRUGGLE FOR
HUMAN RIGHTS**
January 28

**PROPS AND PLOYS: KEEPING
STUDENTS ENGAGED**
February 4

ANNUAL MASSENET RECITAL
February 14

UMAINE OPEN HOUSE
February 15

INTO THE WOODS
February 17-21

MAINE Perspective

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

