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Photo by Michele Stapleton

Healthcare Project Focuses on Rural Maine Elderly

Their voices tell a familiar story. They talk of loneliness, sons and daughters working far from home and the importance of neighbors.

The senior citizens describe what it's like to grow old in a rural Maine community.

Now their stories have become part of an educational program for healthcare students.

"Aging in Rurality: the Bucksport Project" is a new compact disc offered by a group of healthcare providers and the University of Maine, known as the Academic-Community Partnership for Aging in Rural Areas.

Nationwide distribution to health educators and students has begun under a grant from the U.S. Department of Health and Human Services.

Our goal was to expose students to the real people that healthcare practitioners serve in a rural community. These folks don't live in a vacuum. Students need to have an understanding of the whole person.

"We have an idyllic picture that elderly people in rural areas are going to be taken care of, that they have good social networks and that their families and neighbors will always be there. In reality, that's often not true. The economic pressures in rural Maine mean that family and friends are not there to provide that support system," says Joann Kovacich, director of the Interdisciplinary Training for Health Care for Rural Areas (ITHCRA) project at UMaine.

The result is that the burden of care falls to neighbors and professional healthcare providers such as nurses, social workers and occupational

therapists. In some cases, Kovacich says, family members who live nearby assume new responsibilities for transporting a parent to the doctor or making sure that meals are being eaten.

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UMaine Scientist Part of Chinese Antarctic Research Voyage

A first-ever American collaboration with the Chinese government's Antarctic science program is taking a UMaine scientist to the edge of the southern continent's seasonal ice pack this winter.

Cindy Pilskaln, faculty member in the School of Marine Sciences, will spend Thanksgiving, Christmas and New Year's on a Chinese research vessel during a two-month trip to measure specific properties of the southern Indian Ocean. There she will deploy an oceanographic instrument mooring to a depth of more than two and a half miles.

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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.

Industrial Assessment Center Offers Cost-Saving Suggestions for Maine Firms

In the past fiscal year, students and professional engineers in UMaine's Industrial Assessment Center (IAC) identified more than \$1.4 million in savings for manufacturing firms in the state, based on evaluations of energy and waste management.

The Center, established in 1993, provides a learning environment for students and earns its bread and butter as part of a federally funded network of similar university-based centers around the country. At UMaine, two professional engineers and 11 undergraduate students, mostly in the School of Engineering Technology, visit factories and develop money-saving recommendations. The service is free to participating companies.

Last year, the U.S. Department of Energy provided \$150,749 in grant support to IAC.

Between July 1997 and June 1998, IAC students and staff inspected and prepared recommendations for 23 companies from Caribou to Kittery and Bethel to Eastport. Those companies include tool and die manufacturers, lumber mills, and factories that make shoes, boats, furniture and food products. On average, money spent by companies to implement the recommendations is paid back in slightly more than one year.

"Managers know their processes well, but they don't generally have the time to focus on one aspect such as energy or waste. We've been looking at lots of manufacturing plants with those things in mind, and we can usually zero in on cost saving measures right away," says Scott Dunning, IAC director.

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Psychologists Study Effect of Stress on Cancer Survival



Psychology researcher Richard Ryckman, left, with students Jose Alicea and Mark Walter.

Photo by Kathryn Rice

Coping with a cancer diagnosis is one of the most difficult challenges anyone can face. Feelings can run from anger to depression, says Professor of Psychology Richard Ryckman, and medical treatments typically carry additional burdens.

Recent results from studies by Ryckman and colleagues in the Netherlands suggest that how one copes with such stress can affect survival. Since 1983, Ryckman has been collaborating with Dutch physicians on studies of patients being treated for head and neck cancer.

Results of the team's work were published in the journal *Head and Neck* in 1995, and another paper has been completed and will be submitted for publication soon. The authors found that people who were still alive six years after the initial diagnosis tended to have strong support from family and friends, open communication with physicians, and a high sense of physical efficacy or ability. These conclusions are based on data collected over six years from 133 Dutch patients.

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University of Maine hockey coach Shawn Walsh, right, helped cook breakfast for students at Hilltop Dining Commons Oct. 22, two days before the Black Bears' first home game of the season. Walsh used the opportunity to talk with students and generate support for the team, which is ranked third in the country. The University has streamlined the process by which students can acquire game tickets this season and has set aside blocks of seats where students can sit together. Looking on is Larry Violette, dining service manager at Hilltop.

Photo by Peter Cook

Zeph Named Kennedy Fellow

Lucille Zeph, director of the Center for Community Inclusion, an interdisciplinary education and research institute in disability studies at UMaine, has been awarded a public policy fellowship by the Joseph P. Kennedy, Jr. Foundation.

Zeph will begin her work with the foundation in January and spend a year in Washington, D.C., on sabbatical.

"The focus is on national policy and disability, which is the primary work of the center and my primary area of interest," says Zeph. "This particular fellowship is a mid-career fellowship, so the expectation is that it will provide an opportunity for me to take what I already know and apply it on a national level and use this as a learning experience."

Zeph has been at UMaine for 19 years. In that time, she has

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MAINE Perspective

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UNIVERSITY OF
MAINE

MAINE PERSPECTIVE FALL PUBLISHING SCHEDULE

Nov. 27 (copy deadline Nov. 13); Dec. 11 (copy deadline Nov. 27).

Calendar

MAINE

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

NOVEMBER 13 - 30

13 Friday

"Fire and Ice: The Evolutionary Transition from Thermophily to Psychrophily in Newly Discovered Archaea," by Ed DeLong, Monterey Bay Aquarium Research Institute, part of the Biochemistry, Microbiology and Molecular Biology Seminar Series, 10:30 a.m., Nov. 13, 100 Bryand Global Sciences Center. x2815.

Performance by Old Town High School Jazz Ensemble, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Nov. 13, Damn Yankee. x1734.

Women's Basketball: Maine vs. Levee Exhibition Game, 7:30 p.m., Nov. 13. Admission fee. xBEAR.

14 Saturday

Bridges of Respect, a day of workshops on creating respect and safety for students and community members of all orientations, featuring a keynote address by Nancy Garden, author of *Annie on My Mind* and *Good Moon Rising*, offered by Downeast Sexual Assault Services, Down East AIDS Network and the Gay Lesbian Straight Education Network, Nov. 14, Wells Conference Center. Registration fee. 667-3506.

Flax Day at the Page Farm and Home Museum, 10 a.m.-2 p.m., Nov. 14, Page Museum. x4100.

Men's-Women's Swimming and Diving: Maine vs. Holy Cross, 11 a.m., Nov. 14. xBEAR.

Movies: Sixteen Candles and The Breakfast Club, offered by the Union Board, 6:30 p.m. and 9:15 p.m., Nov. 14, Devino Auditorium, Corbett Business Building. x1734.

Bangor Symphony Orchestra Casual Concert, 7 p.m., Nov. 14, Hutchins Concert Hall. 942-5555.

Men's Basketball: Maine vs. Hampton, 7:30 p.m., Nov. 14. Admission fee. xBEAR.

15 Sunday

Bangor Symphony Orchestra Classical Series Concert, 3 p.m., Nov. 15, Hutchins Concert Hall. 942-5555.

16 Monday

"Demography and Reproductive Ecology of Northern Blazing Star, a Rare Grassland Perennial Endemic to New England," by Peter Vickery, avian ecologist, Center for Biological Conservation, Massachusetts Audubon Society, part of the Wildlife Ecology Seminar Series, noon, Nov. 16, 204 Nutting Hall. x2866.

17 Tuesday

"Electrospray Mass Spectrometer in Biochemistry and Synthetic Polymer Analysis," by Troy Wood, State University of New York at Buffalo, part of the Chemistry Department Seminar Series, 11 a.m., Nov. 17, 316 Aubert Hall. x1190.

"Race Talks Among Undergraduate Women," by Ana Martinez Alemán, assistant professor, School of Education, Boston College, part of the Women in the Curriculum Luncheon Series, 12:15 p.m., Nov. 17, FFA Room, Union. x1228.

"Math for the Masses," part of the Innovative College Teaching Afternoon Tea Series, 1-2:30 p.m., Nov. 17, Dexter Lounge.

"He Who Rides a Tiger: Proliferation Issues and South Asia," by Air Vice Marshal Samir Sen, former director of India's Terminal Ballistics Research Laboratory, offered by the Department of Sociology and Peace Studies, 3:15-5 p.m., Nov. 17, Sutton Lounge, Union. x2394.

Guest Lecture by Tim Augustine, author of *How Hard Are You Knocking*, 7 p.m., Nov. 17, Devino Auditorium, Corbett Business Building. x1777.

University of Maine Percussion Ensemble Autumn Concert, part of the School of Performing Arts season, 7:30 p.m., Nov. 17, Minsky Recital Hall. Admission fee. x1755.

Coffee House with Tony Jarvis, offered by the Union Board, 8 p.m., Nov. 17, Peabody Lounge, Union. x1734.

18 Wednesday

"Secreted Proteins Involved in Tumor Progression," by Lucy Liaw, Maine Medical Center Research Institute, part of the Biochemistry, Microbiology and Molecular Biology Seminar Series, 3:10 p.m., Nov. 18, 124 Hitchner Hall. x2815.

Faculty Senate meeting, 3:15 p.m., Nov. 18, Mahogany Room, Wells Conference Center. x1167.

Opening Reception for 1998 Fall Student Exhibition and A Collective Vision: Uncovering Layers of Artistic Energy, 5-7 p.m., Nov. 18, Union.

Women Composers-A Recital, part of the School of Performing Arts season, 7:30 p.m., Nov. 18, Minsky Recital Hall. x1755.

19 Thursday

Registration for Spring 1999 Ends, Nov. 19.

"Discussion of the 1998-99 Class Book: James W. Loewen's Lies My Teacher Told Me," by Burt Hatlen, Nathan Godfried, Shannetta Mennenga and Maureen Smith, part of the Marxist and Socialist Studies Luncheon Series, 12:30 p.m., Nov. 19, Bangor Lounge, Union. x3860.

"The Nature of Self and Self-Other Relations in the Philosophy of Mohandas (Mahatma) Gandhi," by Doug Allen, a Philosophy Colloquium, 4 p.m., Nov. 19, Levinson Room, Maples. x3892.

University of Maine Symphonic Band Concert, part of the School of Performing Arts season, 7:30 p.m., Nov. 19, Hutchins Concert Hall. Admission fee. x1755.

Performance by Beetroots, offered by OCB, 8 p.m., Nov. 19, Bear's Den.

20 Friday

"Biological Invasions in the Ocean: Ecological Challenges and Policy Issues," by James Carlton, Williams College-Mystic Seaport, a leading authority on human-mediated biological invasions in marine systems, offered by the School of Marine Sciences and the Conservation Biology Seminar Series, 10:30 a.m., Nov. 20, 100 Bryand Sciences Center.

Welch Everman Reading from His Works, offered by the English Department, noon-1 p.m., Nov. 20, 304 Neville Hall.

Performance by UMaine Jazz Combo, part of the Jazz TGIF series, 12:15 p.m., Nov. 20, Damn Yankee, Union. x1734.

Men's Ice Hockey: Maine vs. Providence College, 7 p.m., Nov. 20. Admission fee. xBEAR.

Women's Basketball: Dead River Company Shootout with Northeastern, 7:30 p.m., Nov. 20, Cumberland County Civic Center, Portland. Admission fee. xBEAR.

Rec Sports Night, offered by Recreational Sports and OCB, Nov. 20, Gym.

21 Saturday

Presentation and Booksigning by Lynne Plourde and Paul Knowles, authors of *A Celebration of Maine Children's Books*, published by

University of Maine Press, offered by the University Bookstore, 11 a.m.-1 p.m., Nov. 21, Union. x1700.

Football: Maine vs. Northeastern, noon, Nov. 21. Admission. xBEAR.

Women's Ice Hockey: Maine vs. New Brunswick, 2 p.m., Nov. 21. xBEAR.

Men's Ice Hockey: Maine vs. Providence College, 7 p.m., Nov. 21. Admission fee. xBEAR.

22 Sunday

University of Maine Singers' Autumn Concert, part of the School of Performing Arts season, 2 p.m., Nov. 22, Minsky Recital Hall. Admission fee. x1755.

Women's Ice Hockey: Maine vs. New Brunswick, 2 p.m., Nov. 22. xBEAR.

23 Monday

"Public Attitudes on Trapping and New Trapping Standards," by Walter Jakubas, Maine Department of Inland Fisheries and Wildlife, part of the Wildlife Ecology Seminar Series, noon, Nov. 23, 204 Nutting Hall. x2866.

24 Tuesday

Collegiate Chorale and Athena Consort in Concert, part of the School of Performing Arts season, 7:30 p.m., Nov. 24, Minsky Recital Hall. Admission fee. x1755.

25 Wednesday

Thanksgiving Break Begins, Nov. 25.

University Credit Union will be closed Nov. 26-27 to observe the Thanksgiving holiday.

27 Friday

Swan Lake, performed by the St. Petersburg State Ice Ballet, part of the Maine Center for the Arts performance season, 3 p.m. and 8 p.m., Nov. 27, Hutchins Concert Hall. Admission fee. x1755.

Women's Basketball: Dead River Company Classic, 5 p.m., UNC-Charlotte vs. University of Mississippi; 7 p.m., St. Bonaventure vs. Maine, Nov. 27. Admission fee. xBEAR.

28 Saturday

Women's Basketball: Dead River Company Classic, 5 p.m., consolation; 7 p.m., championship, Nov. 28. Admission fee. xBEAR.

30 Monday

Classes Resume, Nov. 30.

Wildlife Ecology Seminar by Dan McAuley, Patuxent Wildlife Research Center, noon, Nov. 30, 204 Nutting Hall. x2866.

Ongoing Events

Campuswide Events

Annual Professional Development Conference for Classified Employees, Nov. 19-20.

Entertainment

"Star Tales," a Planetarium show, 2 p.m., Sundays, through Nov. 22, Wingate Hall. Admission fee. x1341.

"The X-Tra Terrestrial Files," a Planetarium show, 7 p.m., Fridays, through Nov. 20 and Dec. 4-18, Wingate Hall. Admission fee. x1341.

Hay Fever, directed by Janet Warner-Ashley, part of the Maine Masque season, 7:30 p.m., Nov. 18-21; high school performance, noon, Nov. 20; 2 p.m., Nov. 22, Hauck Auditorium. Admission fee. x1755.

Exhibits/Demonstrations/Tours

1998 Fall Student Exhibition, opening Nov. 18, Hauck Gallery, Union. x1734.

A Collective Vision: Uncovering Layers of Artistic Energy, opening Nov. 18, Hole in the Wall and Graphics Galleries, Union. x1734.

Maine Crafts Association: New Faces, a Museum of Art exhibition, through Nov. 21, Carnegie Hall. x3255.

Douglas Higgins: Paintings on Paper, a Museum of Art exhibition, through Nov. 21, 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.

Colorprint USA, a Museum of Art exhibition, Dec. 4-Jan. 20, Carnegie Hall. x3255.

Salon de Fax, a Museum of Art exhibition, Dec. 4-Jan. 20, Carnegie Hall. x3255.

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

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

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

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

Meetings of Groups/Organizations

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

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

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

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

Maine Peace Action Committee meets every Wednesday, 5 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.

Comprehensive Fee Program Fund Committee Meetings, to accept funding applications for the academic year, 1:15-2:15 p.m., Nov. 16, Nov. 30 and Dec. 14, Ham Room, Union. Deadline for application submission is noon the day of the meeting. Applicants are asked to attend a committee meeting to present their proposals. x1406.

Maine Bound (581-1794)

WFR and WEMT Recertification, Nov. 14-15.

Special Notes

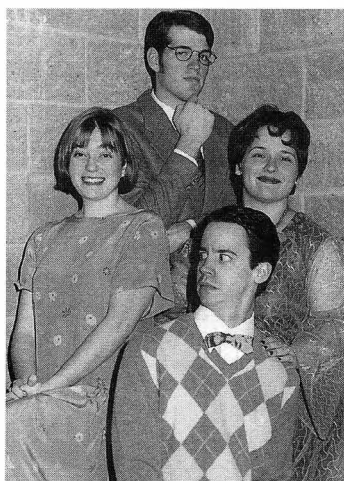
Farmers' Market, 10 a.m.-1 p.m., every Saturday starting Nov. 7, Page Farm and Home Museum.

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

APD Blood Drive, Nov. 16-17, Bangor Lounges and Lown Rooms, Union.

Center Stage

School of Performing Arts



The cast of *Hay Fever* includes, left to right, Katherine Penniman, Timothy Simons, Matthew Vire (front), and Elaine DiFalco.

Catch Hay Fever

At the height of the roaring '20s, one man kept audiences in stitches on both sides of the Atlantic with his witty songs, clever dialogue and long-running, sophisticated comedies. Noel Coward's name was synonymous with both an age and a theatrical style.

First performed in 1925, Coward's *Hay Fever*, a perennial favorite with theatre audiences, opens Nov. 18 in Hauck Auditorium.

Hay Fever is quintessential Coward – fast-paced comedy and eccentric characters. Described by Coward biographer Philip Hoare as “a comedy of ‘appalling’

manners,” *Hay Fever* introduces the Bliss family: Judith, mother and successful, retired actress; David, father and author of best-selling romance novels; Simon, son and satirical cartoonist; and Sorel, daughter and would-be member of fashionable society. Each member of the family has secretly invited a weekend guest to their country house. But there's one major complication – there's only one guest room.

The comedy is non-stop, aided and abetted by a maid, who takes most things in stride, and guests, who try desperately to make the best of an impossible weekend with hosts who ignore them. Janet Warner-Ashley, instructor of theatre, directs the comedy romp. The colorful, high-style '20s costumes are designed by Jane Snider; set design is by Frank Booker.

Appearing in the cast are Elaine DiFalco as Judith, Timothy Simons as David, Matthew Vire as Simon and Katherine Penniman as Sorel. The four unsuspecting guests are Adam Crowley, Kelly Sanders, Ric Sechrest and Michelle McCue. Jocelyn Richard plays the long-suffering maid, Clara.

Hay Fever will be performed Nov. 18-21 at 7:30 p.m. Matinee performances are Nov. 20 at noon and Nov. 22 at 2 p.m.

UMaine Percussion Ensemble

Tuesday, Nov. 17, 7:30 p.m., Minsky Recital Hall

A unique range of percussion instruments and the music composed for them take center stage when the Percussion Ensemble presents its fall concert, directed by Stuart Marrs.

The program includes *Kapow!* by former UMaine faculty member Don Stratton, a composition inspired by the rhythmic movements of a karate master. Written in 1967, it was the first movement of a three-movement ballet commissioned by the Fowler Ballet Company of New York City. This performance is choreographed with a series of katas, executed by karate expert Karel Lidral of the music faculty.

The program closes with a performance of *Uneven Souls* by Nebojsa Jovan Zivkovic, composed for solo marimba, accompanied by three multi-percussionists and men's voices. The work premiered at UMaine in 1992. Marrs is marimba soloist; the Maine Steiners provide vocals. The work will be reprised in a concert with the Bangor Symphony Orchestra Jan. 17.

Women Composers - A Recital

Wednesday, Nov. 18, 7:30 p.m., Minsky Recital Hall

A recital featuring the works of women composers is presented in conjunction with Women in Music, a new course this fall.

Faculty members and students will perform works from the 12th century to the contemporary. Selections include *Cold Spring* for solo piano and audiotape, and *Four Ambitions*, a song cycle for voice, clarinet and piano, by Beth Wiemann. The Athena Chorale, conducted by Francis John Vogt, will present several works, including a chant by Hildegard of Bingen. Works by Maine composer Kay Gardner, Clara Schumann, Francesca Caccini, and Cécile Chaminade are also presented.

The recital and course were made possible by a Women in the Curriculum grant through the Women's Studies Department.

University of Maine Symphonic Band

Thursday, Nov. 19, 7:30 p.m., Hutchins Concert Hall

The Symphonic Band is joined by the Noble High School Symphonic Band from Berwick for the second year of an innovative program that links the University band with a different high school musical group each fall. The program is under the direction of Curvin Farnham.

A new composition for bass clarinet and band, *Sleek but Functional*, is composed by Beth Wiemann, who also will be the soloist.

The Noble High School Symphonic Band is directed by Mark Mummé, a UMaine graduate who received a bachelor's degree in music education and a master's degree in instrumental conducting. The ensemble will open the evening's concert with a varied program of band literature.

University Singers

Sunday, Nov. 22, 2 p.m., Minsky Recital Hall

The annual fall concert by UMaine's select choral group, the University Singers, features a wide variety of music. Two 20th century works are the highlight of the first half of the program: Benjamin Britten's *Festival Te Deum* and Leonard Bernstein's *Chichester Psalms*. The latter work, in three movements, will be sung in Hebrew. The second half of the concert offers music on the lighter side with selections by Brahms, Joseph Martin and Vijay Singh. The concert will close with Duke Ellington's exuberant *It Don't Mean a Thing if It Ain't Got That Swing*. Dennis Cox is director.

The Maine Steiners, an *a cappella* ensemble for male voices, and University Junction, a jazz choir, will perform during intermission.

Collegiate Chorale and Athena Consort in Concert

Tuesday, Nov. 24, 7:30 p.m., Minsky Recital Hall

The joint concert by the Collegiate Chorale and the Athena Consort presents music spanning the centuries. The Chorale, a choir of 90 singers from all academic disciplines, will highlight ethnic music from around the world. Mozart's *Sanctus* and *Hosanna* and Bach's *Sicut Locutus est* are also featured. Shannon Chase, graduate teaching assistant in the music division, is director.

The Athena Consort, an intimate ensemble for women's voices, will perform early music, as well as light favorites. Francis John Vogt is director.

People in Perspective

It's early morning at the University of Maine's Child Study Center. Head teacher Barbara Guidotti sits at a table taking apart Legos in anticipation of the new creations to be made by little hands. Nearby, assistant head teacher Karen Belknap works with a boy at a computer terminal.

The bright classroom includes a piano and an electric keyboard, played by both students and Guidotti. This time of year, a large tub is filled with acorns that are ideal for pouring and sorting. A hamster named Pocket plays in its cage.

By 9 a.m., youngsters ages 2½ to 5 arrive and the pace of the classroom quickly picks up. An hour of free play time is followed by small groups in pre-academics, focusing on math, reading and writing. Before the half-day sessions end, there will be singing, finger plays, story reading and snack time as part of the developmentally based curriculum. As often as weather allows, the children also play outside.

Guidotti and Belknap interact with the children in the various individual, small-group and large-group activities. Together, they have been providing preschool education to area youngsters for a decade.

The Child Study Center, sponsored by the Department of Psychology, is a preschool program designed to foster each child's social, cognitive and emotional growth, while establishing a positive self-concept. Research on child development is routinely conducted at the Center with faculty and students of the Psychology Department.

Guidotti and Belknap have been teaching at the Center for 17 years and 10 years, respectively. The benefits of being seasoned preschool educators are

reflected in the natural interactions between teachers and students.

"The kids think they're running the school, but we do have something to do with it," Guidotti says.

The teaching team mixes innovative and traditional classroom projects in the curriculum to foster a dynamic educational environment. Activities range from art, dramatic play and language to music, science, gross-motor, and self-help skills. Even upcoming holidays offer learning opportunities.

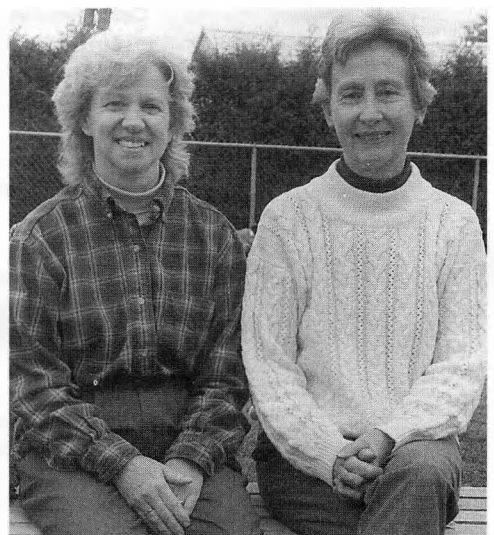
"For instance for Halloween, we try to do some pretend activities like acting out trick or treating. Some of the children are really terrified of masks," Guidotti said.

Guidotti wants children to leave the Center with more than just the basic academic skills for kindergarten.

"The most important thing is that they gain a positive self-image and that they interact well with their peers," Guidotti said. "The social exchange is really more important."

Each academic year, Guidotti and Belknap are joined in the classroom by a number of UMaine students. Most are education or psychology majors whose roles as student teachers are important to the Center, Guidotti says. With the help of student instructors, there are five to seven teachers per class of 15 to 19 children.

Whether mentoring student teachers, educating preschoolers or supporting the efforts of the youngsters' parents, Guidotti and Belknap are never far from the learning environment. In recent years, Guidotti has teamed with Child Study Director Peter LaFreniere to



Barbara Guidotti and Karen Belknap

write four children's books. LaFreniere, a nature photographer, provides the book's artwork, while Guidotti writes accompanying poems and songs.

Guidotti was a teacher in Wisconsin before she joined the Child Study Center staff. Belknap, who has a bachelor's degree in child development, cared for children in her home. Both say they learned the most about preschoolers and their educational needs from their own children.

Despite years of experience, Guidotti is still surprised by some of the things the students say. She considers these surprises the best part of her job.

"There's never a dull moment," agrees Belknap.

ANNUAL PROFESSIONAL DEVELOPMENT CONFERENCE FOR CLASSIFIED EMPLOYEES

Two days of training workshops will highlight the third annual Classified Employees Development Days Nov. 19-20. Sponsored by the Classified Employees Advisory Council (CEAC), the Development Conference is designed to encourage professional development opportunities for classified employees at UMaine.

A variety of workshops will be offered throughout the Conference on such topics as Myers Briggs testing, CPR recertification, HRIS, FAST/Purchasing training, Yoga, cholesterol screenings and blood pressure checks, personal safety, attitudes and accommodations concerning disabilities, the Benefits Help Desk, and advanced FirstClass training. Many of the workshops will be repeated to provide employees scheduling flexibility.

A highlight of this year's conference will be a "hands on" safety training

workshop, presented by employees of Central Maine Power, on Friday, 1:15-4:30 p.m. Classified employees are urged to register early for this popular training course.

During the conference, door prize drawings will be held. A brown bag lunch will be part of a "town meeting" facilitated by Suzanne Moulton on Friday, 11 a.m.-1 p.m., Bangor Lounge.

Last year, more than 150 employees attended the two-day professional development conference. All classified employees are entitled to release time and invited to participate in this two-day professional development opportunity.

For more information or to register for the CMP workshop, contact Mary Malone via FirstClass.

'Tis the Season for Stories that Define Families

The holiday season is fast approaching, a time when families gather more than any other time of year.

It's a time when stories are told, particularly stories that define family, according to researchers Kristin Langellier and Eric Peterson, authors of a paper, "A Performative Theory of Family Storytelling," which will be presented later this month to the 84th Annual Meeting of the National Communication Association.

"Often, people look at storytelling as something that families do, rather than something that helps form what a family is," says Peterson, associate professor and chair of the Communication and Journalism Department. "The family isn't something that we're already given, but something we have to make and remake constantly. One of the ways we do that is through the process of storytelling."

Family stories are those that chronicle the history of a family, and define who that family is and what it values. More than that, the professors say, when people tell, teach or research their family stories, they are performing the act of family, for family is as much a way of talking and thinking as it is a concrete set of ties and sentiments.

"The family is really a culture and these stories can serve to give definition to the next generation," says Langellier, professor of communication. "The same way you carry on the family through reproduction, you need to carry the family on through narration in terms of the storytelling."

In their classes, the professors encourage their students to tell family stories and research their own family histories.

"It encourages some of them to talk to older people they may have not talked to before," says Langellier. "For some older people, it's not that they don't have family stories, it's just that no one's been a listener."

The professors say over the years, storytelling has become increasingly public, which has caused the formation of an idyllic standard of family. This may be one reason for much of the holiday depression some people feel.

Langellier says as important as storytelling is, it shouldn't be idealized. Not all stories are about happy times. Some stories that need to be told are less pleasant than others. In cases of family tragedy, stories can play an important role.

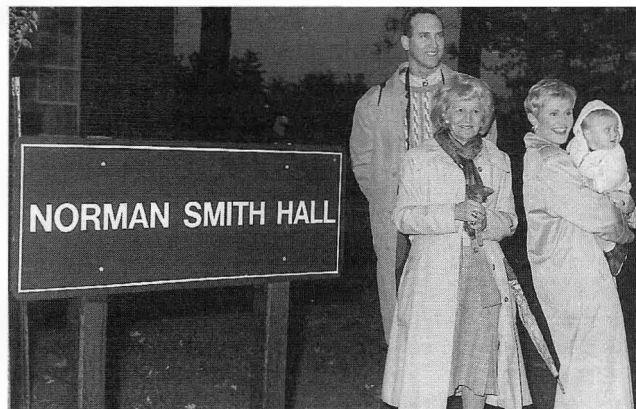
"We often have to tell stories when there has been a disturbance or breach in the family," says Langellier. "Narration is one of the ways to make sense of it. Sometimes it is a way to repair the image of family members by showing them coming through a bad time in their lives. Families tell the stories they need."

Holidays are a good opportunity to talk to family members and learn about the family history and culture, the researchers say. Doing this will give people a greater sense of their own identity within a family structure.

"There's a tendency to look at family storytelling, or any type of storytelling as the icing on the cake rather than the cake itself," says Peterson. "What we're trying to do is take it seriously." ▲

SNOW LINE AVAILABLE

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



Norman Smith Hall was dedicated Oct. 30 in an intimate ceremony outside the facility that is the home of Bio-Resource Engineering. The building, constructed in 1938, is named in honor of Smith, dean emeritus of the College of Engineering and professor of agricultural and forest engineering, who died Dec. 7, 1997 at the age of 67. Smith began his 35 years of service to the University as a faculty member in the Agricultural Engineering Department, now Bio-Resource Engineering. From 1964-84 he headed the department, then took on the duties of acting dean of the College of Engineering. Smith served as dean of the College of Engineering up until 1995. On hand for the dedication ceremony were Smith's wife, Rhoda Smith, left; Smith's daughter, Jan Smith, holding her son, Jack Norman Finnegan; and Jan Smith's husband, Michael Finnegan.

Photo by Nick Houtman

University to Study, Document Acadia Archaeology

Archaeological finds in Acadia National Park will be studied and documented by the University of Maine, funded by a grant from the National Park Service.

Stephen Hornsby, professor of anthropology and Canadian studies, received the \$76,000 grant to do a cultural land use survey of the national park.

"Acadia is often only seen as a natural park. The wilderness aspects of the park are the only ones emphasized," says Hornsby. "This grant is to recover the cultural artifacts," including remains of tourist cottages, old roads that are no longer used and other signs of early American influence on the park area.

Hornsby is assisted in his research by Kim Sebold and Peter Morrison, graduate students; David Sanger, professor of anthropology and Quaternary studies; and Alaric Faulkner, professor of anthropology. Next year, the researchers will send a report to the Park Service with their findings.

Hornsby, who specializes in historical geography, says this study will raise awareness of the different aspects of Acadia. The Park Service may use the findings to put up signs that point out the historical and archaeological significance of the park. ▲

Oral Exams

"Topological Equivalence in Multi-Representation Geographic Databases," by Joao Paiva, candidate for Ph.D. in spatial information science and engineering, 3:10 p.m., Nov. 20, 336 Boardman Hall.

"Anthropogenic Stressors on the Environment: Identifying Interactions Between Demographic Factors and Environmental Data for the Conterminous United States," by John Bartlett, wildlife ecology, 1 p.m., Dec. 2, 204 Nutting Hall.

"Measurement and Analysis of Factors in Solid Wood Bending," by John Lucas, candidate for master's degree in forestry, 11 a.m., Dec. 3, 204 Nutting Hall.

Graduate Student Center a Community Focal Point

Two years ago, an important sign went up at the University of Maine that marked the opening of a Graduate Student Center.

"It is a show of support from the University to have a Graduate Student Center where students have ownership over the space," says Sean Murphy, a co-coordinator of the Graduate Student Center with UMaine graduate student Kathy McGloin. "One of the concerns for UMaine graduate students is the lack of a sense of a graduate community. While the Center is not as extensive a facility as other universities have, it is a step in the right direction."

The Center was established by the Graduate School in cooperation with Campus Living to serve as an intellectual, social and cultural center for graduate students on campus. Located in Estabrooke Hall, a residence hall largely occupied by graduate students, the Center includes a computer room, lounge for meetings and kitchenette.

Essential equipment initially was acquired for the Center through funding from the Academic Computing Advisory Committee, the Association of Graduate Students and the Graduate School. Most recently, Information Technologies supplied new PC and Mac computers. Also available at the Center are a printer, photocopier, scanner and film recorder to convert digital documents into slides.

The Center now is open 24 hours a day for graduate students.

In cooperation with Research and Sponsored Programs, the Graduate Center is offering workshops on grant and fellowship writing for graduate students. Two-hour workshops will focus on six clusters of academic programs: health-related areas (social

work, clinical psychology, nursing, etc.); engineering, physical sciences, math, computer science; education; arts and humanities, social sciences, business administration and public administration; biological sciences; environmental sciences, agriculture and forestry. In addition, the Graduate Center, in conjunction with the AGS, will sponsor monthly socials, thanks in part to a donation by the Comprehensive Fee Committee.

"The Graduate Student Center is a work-in-progress," says McGloin. "As we continue to add new resources, the Center becomes even more of a scholarly resource. It has so much potential and now it's poised to be something more." ▲



Team leaders for the 1998-99 Combined Charitable Appeal for University Employees include, left to right, Doreen Vaillancourt, Julia Kunz, Candace Jordan, Minnie Rowell, Bonnie Bates, Fran Griffin, Dana Smith, Linda Crocker, Beth Morin, Vicky King and Scott Delcourt. Delcourt and Jordan also serve as co-chairs of the CCAUE campaign, which as of early November has raised \$5,000. Not pictured are team leaders Jennie Fletcher, Dianne Avery, Kathleen Brown, Judy Round, Cathy Bradbury and Gayle Anderson.

Look Who's On Campus

Air Vice Marshal **SAMIR SEN**, former director of India's Terminal Ballistics Research Laboratory, will speak Tuesday, Nov. 17 at 3:15 p.m., Sutton Lounge, on "He Who Rides a Tiger: Proliferation Issues and South Asia." Sen has held senior appointments in India's Ministry of Defence, including its R&D Organization, for nearly two decades. He was a member of India's Missile Program Management Board. Today he is an analyst on technology issues of international security, attached to the Centre for International Politics and Disarmament of the School of International Studies, Jawaharlal Nehru University, New Delhi.

TIMOTHY AUGUSTINE, author of *How Hard Are You Knocking - The College Students' Guide to Opening Corporate Doors*, will speak at 7 p.m., Tuesday, Nov. 17 in Devino Auditorium, Corbett Business Building, as part of the Guest Lecture Series. Augustine is a 1994 graduate of Kent State University and works at Unitech Systems Inc., a software company based in Chicago. He is an active member of the Sales and Marketing Executives of Akron, Ohio, and a staff sergeant in the United States Air Force.

JAMES CARLTON, director of Williams-Mystic, the Maritime Studies Program of Williams College and Mystic Seaport, Connecticut, will speak at 10:30 a.m., Friday, Nov. 20 on "Biological Invasions in the Ocean: Ecological Challenges and Policy Issues." Carlton, a professor of marine sciences, is a leading authority on human-mediated biological invasions in marine systems. His research focuses on the alterations to marine community structure over historical time due to biological invasions and extinctions.



ST. PETERSBURG STATE ICE BALLET, Russia's most renowned ice skating troupe, brings ballet's beloved *Swan Lake* to the stage of the Maine Center for the Arts Friday, Nov. 27, with performances at 3 p.m. and 8 p.m. The performance, accompanied by Tchaikovsky's sweeping score, is in the grand tradition of Russian ballet with lush production values, lavish costumes and exquisite choreography.

Industrial *continued from page 2*

The Center's professional staff includes Mark Armstrong, a Maine Maritime Academy graduate with 12 years of experience in industrial process control, and Curt Bartram, with the Department of Economic and Community Development's energy audit program. Jill Schoof, associate professor of electrical engineering technology, is assistant director.

Students are trained to use test equipment and evaluate areas where savings are usually found. The students work with a mentor and then call the business managers, collect data about the plants and give a formal presentation to the manager.

The IAC's nerve center is in a second-floor room in East Annex. It features shelves of industrial process manuals, file cabinets filled with audit records and a blackboard used to track projects. Students mix attendance in classes with calls to businesses or calculations of potential savings.

After extensive preparation and review of a manufacturer's bills, students and staff spend a day at the company taking measurements with state-of-the-art equipment. In six to eight weeks, a comprehensive report is developed, including recommendations, implementation costs and payback calculations.

"One of the most important products of the IAC is our graduates. Students leave here with an impressive portfolio of experiences with industry. One graduate got a job in a paper mill based on savings he identified during a quick tour of the plant during his interview. I called the manager to give the student support, and the manager said it wasn't necessary. He had hired him on the spot," says Dunning. ▲

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Fossil Forests

On a Canadian desert island above the Arctic Circle, the remains of an ancient forest testify to warmer times. Tree stumps, fallen logs, needles and even seed cones nestle into exposed layers in the sands and silts of the nearly barren Geodetic Hills. The island sports a permanent central ice cap, and the Arctic Ocean ice pack stretches away in the distance.

Forest biologist Richard Jagels has been studying this ecological time capsule, hoping to learn how the trees adapted to continuous illumination in what was then a warm temperate climate. He would like to use that information to understand how today's forests may respond to changing environmental conditions.

Today's deciduous trees may trace their lineage to these northern tropical forests.

"Today, there are some small flowering plants, sedges and grasses which take advantage of the short summer and water from the melting permafrost," says Jagels, who recently received an Andrew W. Mellon Foundation grant to continue his work in the Arctic studying the paleoecology of fossil forests. "The climate, which supported dawn redwoods and other tree species about 40 million years ago, was obviously very different. Alligator bones have been found near the site."

Jagels made his first trip to the site on Axel Heiberg Island in 1997. Canadian scientists have been studying the area since the mid-1980s, when the trees were discovered by a helicopter pilot.

Members of the research team include Arthur Johnson and Ben LePage of the University of Pennsylvania, and Kenneth Anderson of the Argonne National Laboratory in Illinois. In 1991, the Geological Survey of Canada published a set of 14 papers about the ancient forest as part of its series of bulletins.

"What interests me most is the physiology and ecology of this forest," Jagels says. During May, June and July, the sun never sets, although it shines weakly at a low angle. The ancient forest also had to adjust to the total darkness of the winter months.

"We also want to know what sorts of stresses the trees had. Preliminary results suggest that these trees may have been stressed by a lack of moisture, or that they had modified metabolic pathways under continuous light.

"We've been looking at the structure of the tree remains and see wood production rates comparable with modern temperate forests. These results favor the hypothesis that the trees had modified metabolic pathways rather than moisture stress."

Jagels focuses on the species known as dawn redwood (*Metasequoia*). It was thought to be extinct until living trees were found growing in a remote part of China in the 1940s, and plantings are now common throughout the world.

In his Nutting Hall office, Jagels keeps a collection of branches, seed cones, leaves and other materials from the island. After so many years, they appear only a bit worse for wear. The woody material was well preserved in the swamp where it grew, although it has been somewhat compressed.

Two Ph.D. candidates, Mike Day and Mei Jiang, have been participating in the work. Day, a research associate, is conducting a photosynthetic analysis of *Metasequoia* and comparing his results to those from other species. Jiang has helped to obtain *Metasequoia* samples from China and to search the scientific literature on the species.

Although Maine is generally considered to be outside its range, several dawn redwoods have been planted at UMaine – in the courtyard of Barrows Hall, and in the Littlefield Ornamental Garden and the Fay Hyland Arboretum.



Patricia Henner, now a history graduate student, excavates at Foxwell house.

Maine's Earliest Europeans

An archaeological team from the University of Maine, with funding from the Maine Historic Preservation Commission, has located and begun excavation of one of the earliest 17th-century European sites yet excavated in Maine.

The project, under the direction of Alaric Faulkner, historical archaeologist in the Department of Anthropology, has identified the trading house and dwelling of Richard Foxwell, an early trader from Dorchester, Mass., who relocated to the St. George River in Cushing, Maine, in the early 1630s.

The site, occupied from around 1633 to 1636, is indicated on various 17th-century French maps in the Bibliothèque Nationale in Paris and has long been the object of Faulkner's research. Taken over and then apparently abandoned by Charles d'Aulnay in 1636, the site marks the southwestern-most claim of the French to Acadia in mid-coastal Maine.

The cellar hole and chimney rubble had been misidentified in local tradition as a much later 18th-century blockhouse, says Faulkner. Instead, it proved to be a virtually undisturbed post-in-ground structure of the 1630s. Typical artifacts of the period were found at the site, including large bore, small "belly-bowl" clay tobacco pipes and North Devon gravel-free baluster jars. They occur in large numbers, as do early case bottle and lead cloth seal fragments. Another prize discovery was a decorative cast brass baldric buckle that fastened a sash from which a sword would have been suspended.

Other artifacts found at the site include a hook used to suspend a cooking pot over the hearth and associated hardware that supported a spit for roasting meat.

The six-week excavation this past summer unearthed a large portion of the hearth and chimney area, and revealed that much of the charred flooring and its nails and joists were well preserved beneath the stone chimney rubble. A collapsed, stone-lined cellar within the house, unusually large for the period, was also exposed. This feature provided additional evidence of structural materials which fell into the cellar when the building burned, probably in 1636 or shortly thereafter. A second and final season of excavation is scheduled for the spring.

Team members from the past season included David Klinge, Shannon Wright and Peter Hutchinson, all graduate students in historical archeology. The program is offered jointly by History and Anthropology. Anthropology undergraduates Eric Johnson, Patricia Henner and Todd McGowan were also involved.

MAD

About Cows and the Lessons They Teach

Many mornings, UMaine sophomore Shane Keady rises at 3 a.m.

It's not something he does for just anyone.

Jessica and Yolanda are counting on him. So are 33 other Holsteins and a dozen members of UMAD COWS – University of Maine Agriculture and Dairy Cooperative of Organized Working Students. Together, animals and students have formed a profitable and powerful partnership in which all benefit.

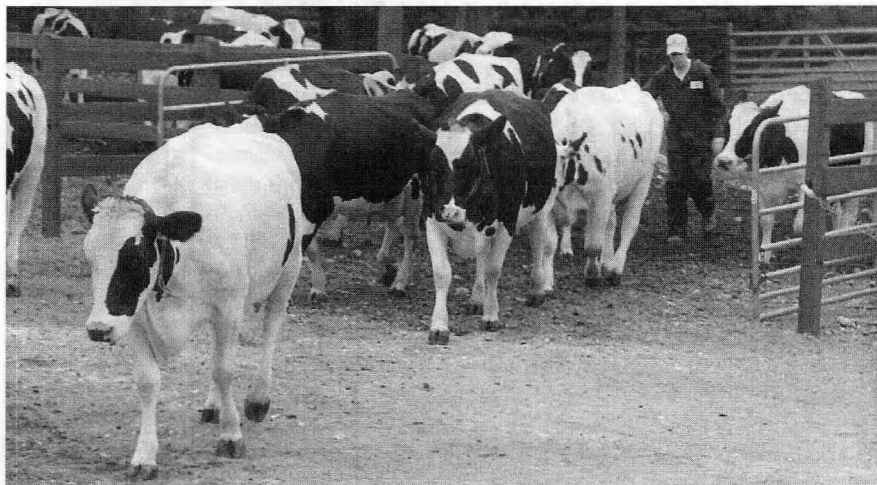
It all happens in a newly renovated barn on the Witter Farm, home of the student-run dairy. Students gain hands-on experience with large animals and managing a dairy herd. They also learn lessons in business, teamwork, time management and communication. The cows, each named and assigned to a particular student, find themselves meticulously cared for – right down to regular brushings. In return for all the attention, the contented cows increase their milk production.

"I never milked cows before," says Keady, a sophomore majoring in sustainable agriculture. "UMAD COWS meant that I had a chance to do something besides book learning. I've learned people skills through cooperation and have learned to be more efficient with my time. Farming is time consuming and you have to be efficient. That efficiency then transcends all you do."

UMAD COWS is a program that caters to the students, says Charles Wallace, chair of the Department of Biosystems Science and Engineering, and UMAD COWS faculty advisor. The cooperative provides practical education students have been learning in classes.

"When they get a chance to apply it, it's like a light turning on. It really excites them about what they learned and are then able to put into practice," says Wallace. "In addition, they learn about themselves. Students come to school as individuals. The cooperative puts them in a work situation in which they have their individual attributes and lives, yet they come together and make the program succeed. They take on a lot when they are involved in the program. It is intensive."

UMAD COWS is a two-semester, eight-credit course that began last January. The yearlong experiential learning program blending theory and practice is modeled after the University of Vermont's student-run dairy called the Co-operative for Real Education in Agricultural Management (CREAM). UVM students manage a herd of 30 Holstein that are considered among the highest producing and genetically superior in Vermont.



Photos clockwise from bottom left: While monitoring the herd for heats, Sarah Morin offers a gentle rub to a Holstein; Shane Keady drives the herd into the barn for afternoon milking; leaders of UMAD COWS are, left to right, Witter Center Livestock Supervisor Marcy Guillette, UMAD Cow President Erin Emmans and Vice President Simon Alexander.

Marcy Guillette, an alumna of the CREAM program, is the Witter Center's livestock supervisor and a mentor to the students who founded UMAD COWS.

Unlike Guillette, who grew up on a Vermont dairy farm, 11 of the UMAD COWS students had no prior experience with cows. Erin Emmans, a senior who just applied to veterinary school in her home state of Colorado, joined the dairy cooperative for that reason.

"I've wanted to be a vet my whole life," says Emmans. "I grew up with all kinds of animals but until now, I had no cow experience. As a freshman, I got a calf to train because the cows would run over me. Now, as a result of my experience, I see myself as a vet one day, with both a small and large animal practice in the Colorado foothills."

"Cows are so smart. They have taught me that I can do anything."

Emmans balances her leadership responsibilities as the president of UMAD COWS, her studies as a pre-vet student and activities as a student-athlete in soccer. This first year of the cooperative has been devoted to organization and "getting everyone on the same page and knowing what their responsibilities are day to day."

"On the farm, we all know that if one person doesn't do his or her job, the animals suffer. We've learned responsibility for ourselves and the animals. We've come a long way from day one," say Emmans.

A typical day on the farm involves chores from 3:30-7 a.m. and 3-5:30 p.m., with at least two students scheduled to work each shift. In addition to milking twice daily, students are responsible

continued on page 13



BearWorks
University of Maine

SPOTLIGHT ON COLLEGE TEACHING

Resistance And Learning

"Resistance" is defined as a force that tends to oppose motion. Last month, the Office of Instructional Development sponsored two events that helped faculty take a close look at the causes of resistance in classrooms. Resistance was considered from two different perspectives – faculty who resist changing their teaching, and students who resist new ideas.

At the "Mentoring New Faculty" panel discussion Oct. 20, administrators spoke of how difficult it can be for faculty who are struggling with their teaching to acknowledge they might lack some skills. Faculty tend to blame students, citing poor preparation or work habits. The challenge for those who mentor faculty is to provide specific suggestions to improve teaching. Often those suggestions are most readily accepted when they come from colleagues who show respect first for the faculty member.

Resistance from students was explored in an Innovative Teaching Series discussion led by Sandra Gardner of the Sociology Department Oct. 29. Gardner explained how resistance can be a good sign from students in any course, because it shows awareness on the students' part of how the new knowledge opposes their existing beliefs. But resistance is only positive if professors acknowledge and deal with it, using the resistance as an opportunity to explore controversial topics in deeper ways. If faculty let resistant students fester, hoping the resistance will "go away," there is the potential for the resistance to damage or even destroy hard-won gains in building class community and learning.

Resistance often represents a gap – for faculty, between what we expected from student response, and what we received; for students, between how they think learning should happen in classrooms, and the reality of college courses. If we are willing to traverse those with our students, sometimes what occur are the best opportunities for learning – about students, about how our teaching needs to change, about our disciplines. Looking at the opposition to movement in our classrooms can give us insight into the direction we need to take.

Instructional Development Upcoming Events

"Math for the Masses," part of the Innovative College Teaching Afternoon Tea Series, 1-2:30 p.m., Nov. 17, Dexter Lounge.

This presentation and discussion will introduce participants to the collaborative teaching strategies of Charlie Slavin, director of the Honors Program, and Bob Franzosa, associate professor, Mathematics Department. Slavin and Franzosa will show how they designed a successful, "user-friendly" course in a discipline that many students find highly challenging.

Watch for the flyer of spring events from the Office of Instructional Development, which will include a series of presentations about quality large lectures, sessions on faculty renewal, and more workshops about innovative teaching strategies.

Myth of the Month – Written response is essential for students who receive poor grades on essays

Students who struggle do need guidance about how to improve their work. But research shows college students who receive grades of "C" or lower are least likely to read comments from professors. For students who receive low grades, one-on-one conferences are much more likely to lead to better writing in the future.

Graduate Student Discovers Maine's French Connection

When graduate student Veronique Martin sits down to speak French with the elders of Old Town once a month, she is doing more than researching her thesis. She is remembering her grandfather.

"I have a cultural attachment," Martin says. "They use expressions that my grandfather used – expressions (that soon) will be lost."

The monthly French tables contribute to Martin's research of the linguistic similarities between the French spoken in Maine's St. John Valley and the "patois" spoken in Martin's home region of Anjou in western France.

They are also a part of her efforts to help preserve Franco-American culture – a culture very similar to her own. For Martin, preserving the language is crucial to preserving the heritage.

Franco-American French is at risk for extinction because it is spoken mainly by elder Francophones. "Young people do not use the language as much as their ancestors did," Martin says. "We must document the language before it disappears."

Languages have always been an important part of Martin's life. She began learning German at 11, English at 13, and spent five years studying Arabic. She also studied Spanish, and plans to get a Ph.D. in Romance linguistics.

Martin came to the University in 1995, after spending a year as a teacher's assistant at the University of Maine at Farmington. When deciding to leave France, Martin did not realize the strong cultural ties she would discover in Maine.

Martin has a master's degree in applied languages from France (a degree that includes the study of German, English and business). During her master's program she spent a year in Germany to complete her coursework and her thesis on the economic development of the coal-mining area of the Ruhr. She also worked as an intern for the Mercedes Benz Corp., in England. After coming to Maine, she found her interests were more in the classroom than in the business world.

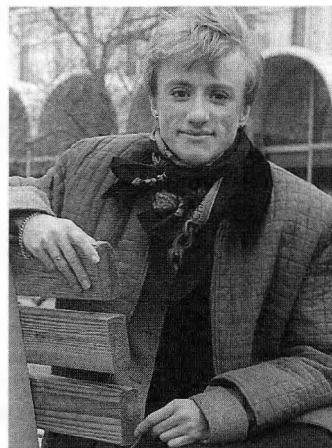
Today, in addition to working on her thesis, Martin teaches French at Old Town Middle School and will soon begin teaching a community class at a private language school in Bangor.

Martin encourages all forms of French in her classroom. She disagrees with the view that formal French is the only acceptable form of the language.

"For a long time, French from Maine has been looked down upon," Martin says. "For me, it's another kind of French from a linguistic as well as native speaker's point of view."

Martin also spends a lot of time teaching her students the French culture. Ten UMaine students experienced the culture first-hand this summer in a two-week travel-study course to France, organized by Martin and French professor Ray Pelletier.

"My deepest interest is learning about people and learning different cultures," Martin says. ▲



Veronique Martin

Graduate Student Focus



Antarctic *continued from page 1*

Pilskaln and Fei Chai, also of SMS, initiated the project with the Chinese government in 1997. Their research is supported by a two-year \$368,920 grant from the National Science Foundation Office of Polar Programs.

In addition to deploying the mooring, which was designed by Pilskaln, American and Chinese scientists will work together to collect data on temperature, salinity, algal production, nutrient concentrations and light transmission. Pilskaln will be joined by Vernon Asper, a biogeochemist at the University of Southern Mississippi.

"We're looking at the role of the southern ocean in the global carbon cycle," says Pilskaln. "It's a very productive area with a high potential for strong drawdown of atmospheric carbon dioxide through primary productivity and carbon particle export. The U.S. has just finished up a big carbon cycling field program off Antarctica in the Ross Sea on the Pacific Ocean side of the continent. There aren't any comparable data from the Indian Ocean side."

Pilskaln has published extensively on the geochemical cycling of particulate organic carbon and biogenic silica in the oceans. She has conducted similar studies in the North and Equatorial Pacific, the Gulf of Maine, the Black Sea and other areas.

Chai, an expert in numerical modeling, is an author of one of the mathematical models used to estimate the exchange of carbon dioxide between the ocean and the atmosphere as a function of nutrient and productivity levels.

The mooring that will be deployed consists of a steel cable equipped with current meters, sediment traps that collect sinking organic material and other instruments for collecting temperature and pressure data. An array of 51 glass balls will provide subsurface flotation for the mooring. The whole string will be anchored to the sea floor with railroad wheels, a type of weight that is commonly used by oceanographers.

"It's a standard oceanographic operation," says Pilskaln, "but when one stops to think about the costs – it's like taking three or four Mercedes and anchoring them to the bottom of the ocean. Each sediment trap is worth \$20,000. There's over \$30,000 worth of glass flotation. The current meter costs about \$12,000. The Argos satellite transmitter is \$5,000. There's \$24,000 invested in the two acoustic releases."

After the mooring has been in place for about a year, Pilskaln and her team will return to retrieve it. Using an acoustic transponder, they will release the mooring from the anchor, which will be left on the bottom. If all goes well, the mooring will float to the surface where scientists will pick it up, along with data and samples that have been collected by the instruments.

"This is the first time ever that a Western country has collaborated with the Chinese in the Antarctic on an oceanographic project in which American and Chinese scientists will work side by side," says Pilskaln.

"We had heard that the Chinese were interested in starting new collaborations with American oceanographers, and we were interested in working in the southern Indian Ocean. The United States is making significant efforts to engage the Chinese in many different ways.

"Scientific collaboration certainly represents one way in which we can develop a good working relationship that extends into other areas of interaction."

Pilskaln plans to leave Nov. 19. ▲

Elderly *continued from page 1*

"What happens is that the son or daughter can become exhausted," says Kovacich, "because he or she is responsible for two households."

The CD program features Kovacich narrating, instructing users how to navigate through the short video presentations of senior citizens and healthcare providers. Students can also express their own views on the situations confronted by senior citizens and have those opinions compared to actual circumstances.

"Our goal was to expose students to the real people that healthcare practitioners serve in a rural community. These folks don't live in a vacuum. Students need to have an understanding of the whole person," Kovacich stresses.

The program presents healthcare providers such as a registered nurse, social worker, occupational and physical therapists and a dietitian. Each discusses the work they do and the experiences they've had in serving people in rural Maine.

"Rural healthcare providers often have to be alert for problems outside their area of expertise. For example, a social worker may need to be aware of mobility problems that a physical therapist can address. Or a dietitian may need to be consulted if meals aren't adequate," says Kovacich.

Among the circumstances addressed in the program are loneliness, personal mobility, transportation and security. Groups that provide related services in rural communities are often "doing great things," she adds, but they struggle to serve people in large geographic areas.

The compact disc program was developed with technical assistance from John Sproul, a UMaine computer science student who worked as an intern with The Artist Group Inc., of Fairfield.

Kovacich and Sproul also worked with the Bucksport Regional Health Center, the Maine Geriatric Gerontology Education Center, Area Health Education Center and the University of New England. ▲

Kennedy Fellow *continued from page 2*

been a professor of education and was responsible for developing the graduate program for education specialists in severe disabilities in the College of Education. She has run the Center for Community Inclusion since it was founded in 1992.

"This is a particularly important year for disability legislation in that the Developmental Disabilities Act, which created this center and other University Affiliated Programs, Developmental Disabilities Councils and Protection and Advocacy centers throughout the country, is up for reauthorization," says Zeph.

The Center for Community Inclusion is part of a national network of University Affiliated Programs that work to ensure that people with developmental and related disabilities have opportunities to be full participants in their communities. They work on this goal through education, research and community outreach programs.

Zeph expects to be working to educate national leadership on issues relating to disabilities, most likely with the U.S. Senate. It is an appointment that will provide "a much better idea of how national policy is set" and will offer a close look at the process.

In addition, next summer Zeph will have the opportunity to participate in the week-long Bioethics course at Georgetown University's Kennedy Institute of Ethics.

The Kennedy Foundation's objectives are the prevention of mental retardation by identifying its causes and improving means by which society deals with its mentally retarded citizens. The Public Policy Fellowship Program was started in 1980 to provide skilled leadership in government and public policy. ▲

Send notices of upcoming campus events to *Maine Perspective* for inclusion in the UMaine Calendar.

We Remember

Walter Schoenberger

Walter "Bud" Schoenberger, professor emeritus of political science, died Aug. 27 at the age of 77.

Schoenberger received a Ph.D. from the Fletcher School of Law and Diplomacy. Named to the UMaine faculty in 1956, he specialized in international relations.

Schoenberger is described as a wonderfully enthusiastic, optimistic and colorful gift to the University and Maine. His impact is imprinted on the many students and friends with whom he shared on his 34-year career as a UMaine political scientist.

Schoenberger loved his family, being involved in politics, tweaking the ear of the administration and teaching. He believed that a good teacher could not live in a Platonic cave, but had an obligation to participate in the politics of the broader community.

Schoenberger was a gifted teacher – articulate, reflective and knowledgeable. His tests were rigorous and his expectations very high. He was exceedingly well read and always on top of world affairs. His study of the decision to drop the A-bomb, *Decision of Destiny*, was a tour de force of carefully analyzed documents.

In 1963, Schoenberger was named the first recipient of the Distinguished Faculty Award.

Schoenberger was very active on issues of faculty governance. His assertive style clearly distinguished him from his many more reticent colleagues. Not one to accept the status quo, Schoenberger served four terms on the Council of Colleges, twice as the elected chair.

For Schoenberger, the glass was always half full. He loved people. To him, everyone was interesting. His teaching of tolerance, diversity, global responsibility, and compassion for the less fortunate constitute – a living will to those who were fortunate enough to have shared his life and his University journey.

Harold Young

Harold Young, professor emeritus of forestry, died July 25 at the age of 80.

Young received his undergraduate degree in forestry from UMaine in 1937 and went to work for the Forest Service. Following the war, he attended Duke University where he earned a master's and Ph.D. He joined the University of Maine Forestry Faculty in 1948.

Young served on the faculty for more than 30 years, teaching hundreds of students and producing a great number of research publications. He earned a national and international reputation for his pioneering work in forest biomass. Such projects as the production of paper from fiber obtained from woody plants like alder, pincherry and blueberry contributed to his later concept of the use of the whole tree.

Young's work was recognized by such diverse groups as the Forest Products Society, which awarded him the Hitchcock Award in 1976. In 1980, he became the first American to receive the Professor of Burckhardt Medaille from the University of Gottingen in Germany. Young was the leader of the Complete Tree Institute. In 1965, he served as president of the World Forestry Conference in Madrid and was a Fulbright Scholar in Norway. In 1968, he was a research fellow at the Australian National University.

In the 1970s, he was president of the Faculty Council.

Following his retirement from the University, Young's professional life continued to be centered in the forest in his lifelong role as an excellent custodian of the woods.

MAD continued from page 10

for keeping the herd book, feedings, mucking and cleaning the barn, and replacing beddings of fresh sawdust. Morning and afternoon, the cows are exercised in a nearby pen and checked for heats.

Students assist in calf deliveries, often asking to be called when a birthtime is near. Since February, 23 calves (16 heifers) have been born that were part of an embryo transplant research project, led by Dr. Jim Weber, a veterinarian and assistant professor of animal and veterinary sciences. Eventually, these high-quality animals will join the milk herd or be sold into the Maine dairy market, further boosting the cooperative's visibility and profitability.

"It is so much fun," says Emmans. "I admit that the first time my alarm went off at 3 a.m., I wondered what I could have been thinking to get into this. We all still have to go to classes. Some nights you're in bed by midnight and still have a paper to write. But when you're out working with the animals and seeing the sun rise, you get a real sense of how enjoyable it is to work on a farm. Through UMAD COWS, you get a feeling for so many aspects of farm life. Most of the students are from Maine and can now help the state's farming community."

Simon Alexander from Easton would like to make farming a career, but also knows he "can't afford to pin a future on it." His grandfather and great-grandfather were farmers in the County. Alexander began working the potato harvest at age 7. By 15, he worked on a 130-head dairy farm – one of three dairy farms remaining in central and northern Aroostook County.

From UMaine, Alexander is headed to vet school, hoping still to be a part of farming's future. Like the other students in the cooperative, Alexander is realistic yet adamant about the importance of farming and its place in the Maine landscape.

"Everyone here is enthusiastic about the (Witter) farm and agriculture in general," says Alexander, a junior who is vice president of UMAD COWS. "This is a land-grant university, founded to teach agriculture. It still does, and it's the only one in the state."

"This is what we're doing to bring agriculture back to the state," says Keady.

"We are the future," Alexander concurs. ▲

PEAC PROFESSIONAL DEVELOPMENT FUND AWARDS

The Professional Employees Advisory Council (PEAC) has development funds available for distribution this fall.

The purpose of these funds is to provide assistance to professional staff who would like to attend professional meetings on or off campus. Awards of up to \$500 per person will be given each fall and spring semester. Applications must include:

- ▼ Completed application form.
- ▼ Brief statement of the reason for attending and description of how the experience will benefit the individual and the University.
- ▼ Immediate supervisor's signature supporting attendance at the meeting.

Eligibility is limited to professional staff members who have not received PEAC Development Fund awards within the last year. Priority will be given to regular, full-time professional staff members. A short report on the meeting must be submitted within a month of attendance. This report will be included in the *PEAC Newsletter*.

Applications will be mailed out to all professional employees in late October or early November.

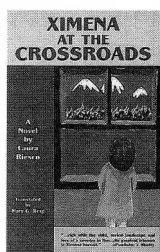
The application deadline for the fall is Nov. 16.

Additional information or applications can be obtained from the following PEAC members: Mel Johnson, x3614; Betty Lee, x3244; Peter Reid, x1293.

Return completed applications to Betty Lee, 202 Sawyer Environmental Research Center.

V O L U M E S

Recent Works by University of Maine Authors



***Ximena at the Crossroads* by Laura Riesco Luszczyńska (White Pine Press 1998)**

In 1995, the Latino Literature Prize in fiction was awarded for the novel, *Ximena de dos caminos*. Critics called it the best narrative written by a Peruvian woman writer. It was the second novel for Laura Riesco Luszczyńska, then associate professor of Romantic languages.

Now the book has been translated into English. *Ximena at the Crossroads* marks Luszczyńska's North American writing debut.

The novel is about a young girl named Ximena whose growing consciousness of social injustice during the 1940s in her Peruvian homeland coincides with the discovery of her storytelling powers.

The frail, only child of middle-class parents, Ximena continually seeks to get beyond the parameters of her narrow existence by looking at books and hearing them read aloud, and eavesdropping on adults. Yet she is perpetually caught between the oral traditions of her native nanny and the Western encyclopedic language of her father; caught between the landowner mentality of her mother and the progressive idealism of her father. She lives in the mountains, between the Indian highlands in Peru and the modern, more Western coast – two very different worlds. The child struggles to translate the oppression her father imposes on Indian workers as they are exploited by an American corporation or her grandfather's life in the valley as a landowner in a virtual feudal state.

Ximena is caught between what is reality and what is fiction – a fine line that neither she nor the reader distinguishes at times. But it is that dichotomy that struck a chord with so many of Luszczyńska's readers in Latin America and around the world.

Faculty Funds Established in Support of Scholarship

The publication of Malcolm Hunter's newest book earlier this year, *Problem-Solving in Conservation Biology and Wildlife Management: Exercises for Class, Field, and Laboratory*, is both a literary and philanthropic contribution to the conservation biology field.

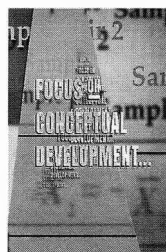
Since 1990, Hunter, UMaine Libra Professor of Conservation Biology, has been donating the royalties from his books, as well as consulting fees and stipends for speeches, to the University of Maine's International Biological Conservation Fund. Through the years, contributions to the fund also have been made by other UMaine faculty and alumni.

Established in the University of Maine Foundation, the International Biological Conservation Fund will endow fellowships for graduate students in natural resources from developing countries. It is one of a handful of such funds UMaine faculty have established through the Foundation in support of academic programs at the University.

The goal is for graduate students from the Third World to use expertise they gain studying at UMaine to help their homelands.

"I am trying to support two things I value very much – the University of Maine and conservation," says Hunter. "The most poignant conservation problems tend to be in developing countries. The people of those countries have to solve those problems

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***Elements of Statistical Reasoning* (2nd ed.) By Edward Minium, Robert Clarke and Theodore Coladarci (John Wiley & Sons Inc. 1999)**

Ted Coladarci, associate professor of education, joined Edward Minium and Robert Clarke in writing the second edition of *Elements of Statistical Reasoning*. This book is an introduction to descriptive and inferential statistics for students in psychology, education and related disciplines. It stresses conceptual development and the logic of statistics, and is written with a careful eye to the needs of students.

Although *Elements 2/e* emphasizes hypothesis testing, interval estimation procedures are introduced early and integrated into subsequent chapters.

As with the first edition, *Elements 2/e* is a textbook with clear exposition and uncluttered development – one characterized by accuracy of statistical statements, yet avoiding oversimplification on the one extreme and daunting technical detail on the other.

Minium is professor of psychology emeritus at San Jose State University, as is Clarke.

This is Coladarci's second book.

Media Spotlight

Camire Interviews with *Fitness* and *Progressive Grower*

Mary Ellen Camire of the Food Science and Human Nutrition faculty was interviewed for a story about yogurt for *Fitness* magazine. In addition, Camire was interviewed for the *Progressive Grocer*, a publication distributed to all major grocery retailers in the U.S. The focus of the interview was training for produce clerks about the handling of exotic fruits and vegetables.

Quaternary Faculty in *Boston Globe*, *Houston Chronicle*

Harold Borns and Terence Hughes of the Institute for Quaternary Studies were quoted in the Oct. 5 *Boston Globe* for a story about Maine's ice age legacy, as reflected in the state's landforms. The story makes the point that evidence left by the retreat of the last northern ice sheet is useful for understanding the behavior of the West Antarctic Ice Sheet. UMaine was the site of a major international conference on that ice sheet in September. In addition, the Oct. 12 *Houston Chronicle* included a story about the West Antarctic Ice Sheet Conference. The story, provided by Knight Ridder, includes comments from Hughes and Thomas Kellogg.

Brazee in *USA Today*

Ed Brazee, associate professor of middle level education, spent the afternoon Oct. 6 at *USA Today* headquarters in Arlington, Vir., where he participated in *USA Today's* Adolescent Hot Line. Brazee, associate editor of National Middle School Association publications, joined other experts from the national organization and from the Society for Adolescent Medicine, in answering callers' questions about young adolescents. Related stories appeared in the paper.

Thomas in *Women's World*

Sydney Carroll Thomas, associate professor of counseling education, is cited in the Oct. 13 *Women's World* magazine in an article about what parents can do when their children are teased or bullied by other kids.

March in *A Nosa Terra*

A photo of the collaborators of the 50-volume set of *A Nosa Literatura*, published by A Nosa Terra (Vigo, Galicia), included Kathleen March, professor of Spanish. Her volume, No. 11, was on Rosalia de Castro's *Cantares Gallegos*. The photo was in the weekly *A Nosa Terra* July 25. March was the only non-Galician contributor.

Stephen Whittington, director of the Hudson Museum, and David Reed: "Evidencia de dieta y salud en los esqueletos de Iximche," *Mesoamerica* 35:73-82 (1998).

Marisue Pickering, professor of communication sciences and disorders, along with M. Couture, L. Polich, R. Tripathy, and T. Whitehill; "Making a Global Difference: Reflections on Working Abroad," *Asha*, 40(4):34-42 (1998).

Susan Riley, lecturer in communication sciences and disorders, and clinical director of the Conley Speech and Hearing Center, along with J. Andrews, M. Andrews at Northern Illinois University, and M.C. Bruce at the University of Vermont: "Supervision Issues in Family-Centered Practice," *Supervision*, 22(3):6 (Fall 1998).

Steve Ditchkoff, former graduate student, and **Frederick Servello**, associate professor, Department of Wildlife Ecology, "Litterfall: An Overlooked Food Source for Wintering White-tailed Deer," *Journal of Wildlife Management*, 62:250-55 (1998).

Duane Diefenbach and **Thomas McCall**, former graduate students, **Gil Paquette**, former student, **Thomas Hodgman**, former research associate, and **R. Owen Jr.**, professor emeritus, Department of Wildlife Ecology: "A Test of a Habitat Use Model for American Black Ducks," *Northeast Wildlife*, 53:35-44 (1996).

Patrick McMullen, assistant professor of management: "Using Simulated Annealing to Solve a Multiobjective Assembly Line Balancing Problem with Parallel Stations," *International Journal of Production Research*, 36(10):2717-41.

Howard Patterson, professor of chemistry, with Hartmut Yersin, professor in the Institut für Physikalische und Theoretische Chemie, Universität Regensburg, Regensburg, Germany and Johann Strasser, Regensburg graduate student: "Effect of High Pressure on the Emission Spectrum of Single Crystals of $\text{Ti}[\text{Au}(\text{CN})_2]$ " *Chemical Physics Letters*, 295:95-8 (1998).

Kathleen March, professor of Spanish: "A novela Anaiansi de Ursula Heinze," *Homenaje a Ramón Lorenzo*, ed. Dieter Kremer, 1:4-9-418 (Vigo: Galaxia 1998).

Deirdre Mageean, interim director of the Margaret Chase Smith Center for Public Policy and associate professor of public administration, with **John Bartlett**, former graduate student, Department of Wildlife Ecology: "Humans and Hexagons: Using Population Data to Address the Problem of Human Dimensions of Environmental Change," *G.I.S. Solutions in Natural Resource Management*, Stan Morain (ed), OnWord Press, Santa Fe. Also, Mageean with Angela Constable and Maurice Van Arsdel, University of Southern California: "Impacts of Rising Sea Level on Coastal Populations in California and Maine," *Emerging Trends in Beach Erosion and Sand Rights Law*, Florida Shore and Beach Preservation Assoc., Tallahassee.

SUMMER FACULTY RESEARCH FUND AWARD DEADLINE

REMINDER: The deadline for receipt of proposals for the Summer Faculty Research Fund Award is Dec. 16.

The Summer Faculty Research Fund Award provides \$5,000 awards for faculty summer salaries for a minimum 1.5-month research effort.

The purpose of these funds is to stimulate and assist individual members of the faculty to initiate or redirect research or studies of a scholarly nature. Eligibility is limited to full-time faculty. This includes tenured, tenure-eligible, and soft-money faculty for whom research is an expected component of their appointment. Faculty are eligible to receive this award every three years. Proposals will not be considered from individuals with delinquent reports from any previous Faculty Research Funds Awards.

The Faculty Research Funds Committee represents a broad range of disciplines from the entire University of Maine faculty. Consequently, proposals should be written for a general audience (except the Methods and Materials section, where discipline-specific details are necessary). Applicants may contact Gayle Anderson, x1498, to review successful applications kept on file in Research and Sponsored Programs.

Approximately \$70,000 is budgeted for the Summer Faculty Research Fund Award (14 awards are expected to be made).

Application packages are available in the Offices of the Deans and in the Office of Research and Sponsored Programs, 424 Corbett Hall, x1498. Applicants should make sure they use this year's packages.

EXTENSION 1999 GARDEN CALENDAR AVAILABLE

Home gardeners will benefit from monthly practical tips for their perennial gardens in the 1999 North Country Garden Calendar, published by Cooperative Extension. The calendar is illustrated by Melanie Brown Twitchell from Ellsworth, a master gardener.

The illustrations show different perennials and garden scenes of good planting locations. Some of the topics described in the calendar include perennials for the woodland garden, edible flowers, vines, salt-tolerant plants and hot peppers.

Single copies are \$5 each and can be ordered from Gale Jameson, UMaine Cooperative Extension, 581-2953.

GULF OF MAINE POSTERS AVAILABLE

A poster/map of the undersea landscapes of the Gulf of Maine has been produced by Maine Sea Grant, in partnership with the School of Marine Sciences, Bigelow Laboratory for Ocean Studies, and several other organizations. This colorful poster discusses aspects of the Gulf of Maine habitats and contains several full-color photos of sea life and the shore.

The poster includes information on coastal habitats, sheltered bays, banks and ledges, tidal action, the Gulf's currents, deep basin and barrier banks. Concept and text for the poster was by Joseph Kelley, adjunct professor of geological sciences and oceanography, and Bob Steneck, professor of oceanography.

The free posters are available in 22 Coburn Hall.

Book Ends



New & Noteworthy at the University Bookstore

"I Cease Not to Yowl": Ezra Pound's Letters to Olivia Rossetti Agresti, edited by Demetres Tryphonopoulos and Leon Surette, University of Illinois Press (1998). "I Cease Not to Yowl" provides the most comprehensive and sustained record to date of Ezra Pound's pro-fascist activities and involvement. This never-before-published correspondence began in 1937 and continued throughout Pound's incarceration for treason. An astute commentator on social and economic problems, especially those of modern Italy, Olivia Rossetti Agresti served as an ideal sounding board for the poet during the darkest period of his life. By engaging Pound in debate on politics, economics, and religious belief, she sheds new light on his convictions.

Waltzing the Cat, Pam Houston (Norton 1998). After a surprise encounter with Carlos Castaneda convinces photographer Lucy O'Rourke that she's living the wrong life, she returns to the Rocky Mountains, to the small town of Hope, Colo. Here she finds solace and comfort in friends and in the landscape, and reconnects with a part of herself long forgotten. As she did in *Cowboys Are My Weakness*, Pam Houston serves up once more her charismatic blend of relationships and adventure with *Waltzing the Cat*.

The Anchor Essay Annual: The Best of 1998, edited by Phillip Lopate (Anchor Books). With the resurging interest in essays, this collection highlights the best, featuring a mix of some of today's most well-known, the up-and-coming, and some as yet unfamiliar writers. Selections include works by David Foster Wallace, Guy Davenport, Donald Barthelme, Gilles Deleuze, Emily Fox Gordon and Francine Prose, writing about varied topics like feminism, nature, popular culture and music criticism. Enjoy this and other great collections like the classic annual *The Best American Short Stories 1998*, edited by Garrison Keillor (Houghton Mifflin). Or check out new talent in Scribner's *Best of the Fiction Workshops 1998*, edited by Carol Shields.

The Essential Tales of Chekhov, edited by Richard Ford (Ecco 1998). This collection of 20 tales, selected by Richard Ford, is ordered chronologically and drawn from Chekhov's most fruitful years as a short story writer, 1886-89. This balanced selection – some celebrated, some overlooked, all full of humor, truth, and vast insight – paired with Ford's perceptive introduction, "Why We Like Chekhov," make *Essential Tales of Chekhov* a volume for every library.

In other news:

Children's Book Week is Nov. 16-21. Look for great deals on children's books, promotions and an author event on Saturday.

Lynn Plourde and Paul Knowles, authors of *A Celebration of Maine Children's Books* (UMaine Press-1998), will be at the Bookstore Saturday, Nov. 21, from 11 a.m.-1 p.m. They will begin with a short presentation about the book and then will be available to talk and sign copies.

Presenting at the 90th Annual National Rural Education Association Convention, Oct. 14-18, Buffalo, were:

Constance Perry, professor of education, "Community Service Learning: Goals and Outcomes"; **Walter McIntire**, director, Center for Research and Evaluation, and **Gail Downs**, research associate, "Student Perceptions of Community and School

Environments: Life in the Eyes of Rural Youth"; **David Brown**, associate professor, educational leadership, and **James Artesani**, assistant professor, special education, "Relating Special Education Services to Regular Education Services: A Case Study in Education Evaluation"; **Gary Whiteley**, doctoral student in educational leadership, "So Where Do You Draw the Line? A Case Study of the Conflict Over Political Theories and Religious Beliefs in a Small School in Rural Maine."

Chet Rock, interim dean of engineering, received a certificate of distinguished service for his recently completed term on the Board of Directors of the Association of Environmental Engineering Professors. The award was presented at the Association's annual meeting in Orlando, Oct. 5.

Stephen Whittington, director of the Hudson Museum, presented "The Hudson Museum on the Move, a National Endowment for Humanities Funded Collections Move Project" at the 1998 Fall Conference of Maine Archives and Museums, Oct. 15-18 in St. Andrews in conjunction with the Association Museums New Brunswick. In addition, Whittington has been appointed by Gov. King to the Maine State Museum Commission. He joins **Howard Segal** on the Commission. Whittington's term runs through August 2002.

Harold Daniel, assistant professor of marketing, and **Darlene Bay**, assistant professor of accounting, presented a seminar, "The Business of Student Retention," Oct. 20 for the faculty of the Maine Business School and invited guests. The seminar was based on the results of a survey of freshmen. **Hampton Griffin** and **Ken Rideout**, MBA students, were responsible for the data collection instrument and the data analysis. The focus of the seminar was the influences on the decision to re-enroll.

Paul Grosswiler, associate professor of journalism and mass communication, presented two research papers, "Cross-Breeding Media Ecology and Social Ecology for Social Change," and "Connecting Medium Theory and World-Systems Theory: Marshall McLuhan Meets Immanuel Wallerstein," to the New York State Communication Association's 56th annual convention in Monticello, New York, Oct. 9-11.

Works from the **Museum of Art's** permanent collection were included in two recent exhibitions: *Monsters, Gods and Mortals: Artists Interpret the Odyssey Across 25 Centuries*, Bowdoin College Museum of Art, Aug. 24-Oct. 18, four works by Italian artist Mimmo Paladino; *Charles Garabedian: Cultural Escape Maine College of Art, Institute of Contemporary Art*, Oct. 1-Nov. 6, seven works by California artist Charles Garabedian.

Nancy Ogle, associate professor of music, did a 10-day residency at Macalester College in St. Paul, Minn., earlier this month. She performed recitals at Macalester and also at the Schubert Club, St. Paul, celebrating the works of Minneapolis composer Donald Betts. She also taught a voice masterclass and classes in music theory, poetry, and music history. Ogle was joined by **Ginger Hwalek**, instructor of music, and Minneapolis poet Diane Glancy, and together they presented the all-Hopkins concert that Ogle and Hwalek performed here Oct. 2.

Margo Lukens, English, presented a paper, "'White Man Jumped Their Claim': Gertrude Bonnin's Search for Sarah Winnemucca's Legacy," at a joint meeting of the Western Literature Association and Canadian Association for American Studies, Oct. 17, Banff, Alberta.

Patrick McMullen, assistant professor of management, along with **Peter Tarasewich**, assistant professor of management, received a best paper award at the Northeast Business and Economics Association's annual conference in Newport, R.I., for the paper, "Using Genetic Algorithms to Solve the Multi-Product JIT Sequencing Problem with Setups."

Martha Eastman, doctoral candidate in American history, presented a paper, "'The Wound Is Somewhere in My Heart': Gender and Nationalism in American Popular Songs During World War I," Nov. 7 at the 21st annual meeting of the North East Popular Culture Association, held in Boston at Suffolk University.

Deirdre Mageean, interim director of the Margaret Chase Smith Center for Public Policy and associate professor of public administration, moderated a session on Eroding Beaches and Bluffs at the Sea and Shore Conference, Rockport, Oct. 9.

Colin Martindale, professor of psychology, and **Joanna Kwiatkowski**, graduate student in psychology, attended the XV Congress of the International Association of Empirical Aesthetics in Rome, Sept. 21-24. As president of the association, Martindale presented a welcoming address and presided over meetings of the Executive Committee and General Assembly. Presentations at the Congress included: Sept. 21-Kwiatkowski, Martindale, and D. McKenzie: "Alexis: A General Purpose Text Analysis Program." In Symposium: "Computational Content Analysis: If, When, What"; Sept. 23-Kwiatkowski, Martindale and **C. Martin** (undergraduate in psychology): "Influence of Mental Models on Golden Section Preference"; Martindale: "Can We Stop Pretending that Modern Art Has Any Value?" In Symposium: "Abstractionism, Modernism and Aesthetic Value: A Debate"; Martindale: "Bouguereau is Back." Presidential address; Sept. 24-Martindale: "Aesthetic Evolution." In Symposium: "The Evolution of Aesthetic Features"; Kwiatkowski, **O. Vartanian** (graduate student in psychology), and Martindale: "Creativity and Speed of Mental Processing"; and Kwiatkowski and Martindale, "Academic Art: It is Time to Draw the Line in the Sand."

STRONG AWARDED CHARTERED FINANCIAL ANALYST DESIGNATION

The Trustees of the Institute of Chartered Financial Analysts have awarded the Chartered Financial Analyst designation to Robert Strong, professor of finance, Maine Business School.

Earning this distinguished designation required a dedicated effort to pass three six-hour examinations. A successful candidate also must have at least three years of experience related to investments and adhere to the ICFA Code of Ethics and Standards of Professional Conduct.

Over its 36-year history, the ICFA has given over 242,000 examinations and awarded over 29,000 charters around the globe. The Chartered Financial Analyst reputation as the premier designation in the investment profession is recognized around the world, and becoming a CFA charterholder represents a truly significant achievement in one's development as an investment professional.

FORENSIC ANTHROPOLOGY CONFERENCE

The Hudson Museum hosted a meeting of the Northeast Forensic Anthropology Association Oct. 31-Nov. 1. Marcella Sorg, adjunct faculty member in the Department of Anthropology and associate in the Margaret Chase Smith Center for Public Policy, organized the event which brought together about 50 students and faculty members from the Canadian Maritimes and the United States.

In addition to Sorg, UMaine presenters included Boyd Brown, a native of Augusta and a UMaine graduate, now attending Ohio State University; Juliet Fernandez of Orono, a 1998 graduate in anthropology and a current staff member of the Smith Center; Dwight Stanley of Monhegan, a senior in Anthropology; Steve Whittington of the Hudson Museum; Christine Whittington of Fogler Library. John Dearborn, School of Marine Sciences, collaborates with Sorg in research and also participated in the meeting.

"We maintain an informal atmosphere where people can share slides and information about their cases," says Sorg. "The University of Maine has achieved a reputation in this area, and the state has developed one of the best forensics teams in the nation."

The Association has brought forensic anthropologists together annually since 1987. Members of the Canadian Association of Physical Anthropologists also participate in meetings.

A featured speaker at the meeting was William Haglund, a leader of the United Nations efforts to investigate mass graves resulting from conflicts in Rwanda and Bosnia. Haglund and Sorg have written one book together and are working on two more. He discussed his work on human rights and war crimes.

Participants also viewed a demonstration of dogs trained to locate cadavers.

Cancer *continued from page 2*

In comparison to other types of cancer, head and neck cancer has seldom been studied from a psychological perspective, Ryckman says.

Only about half of all those diagnosed with these diseases survive five years or more. In the few studies that have been conducted by Ryckman and his colleagues, most of these patients have been heavy smokers and drinkers.

Ryckman is a social psychologist who teaches a variety of courses, including one that offers the latest information in health psychology. "There are large numbers of studies looking at personality factors for other types of cancer, but the results have been largely inconsistent in terms of figuring out which ones are likely to improve survival chances, and which ones aren't," says Ryckman.

Ryckman's Dutch colleagues include surgeons and health educators who are concerned about the psychological well-being of patients. They particularly wanted to know whether or not personality factors in head and neck patients affect their survival after treatment.

"From a psychological perspective, the best prognosis comes from receiving social support from within the family and full and accurate information from the physician," says Ryckman. "That tends to raise the patients' self-esteem. If the patients are not able to discuss their illnesses openly with family members, they feel isolated and tend to become more depressed.

"If their physicians are less than forthcoming with them, patients begin to become mistrustful, and they are then susceptible to trying alternative remedies, including fad diets that may eventually do them harm."

Ryckman and his colleagues also found that those with laryngectomies (surgical removal of the larynx) tended to have more difficulties in recovery than those who underwent the so-called "commando" treatment (removal of some jaw and neck tissue). That was surprising since the latter patients have tremendous disfigurement.

With laryngectomies, however, the larynx is replaced with a mechanical voice box, and an open hole, or stoma, is left in the throat. These patients reported severe communication difficulties which tended to isolate them from friends, co-workers and family, leading to depression. "Patients who have had laryngectomies tend to drop out of the workforce. A lot of them curtail their

sexual activities. They have fewer and fewer contacts, even with their family members, and they tend to turn to more solitary activities. These individuals tend to have the most difficulty in recovery," according to Ryckman.

Ryckman's specialty is personality psychology, especially as it relates to self-perception of physical ability. In 1982, Ryckman, Michael Robbins, Bill Thornton and Peggy Cantrell of UMaine published a physical self-efficacy scale, a list of 22 questions to determine how people perceive their physical ability or competence. A version of that scale was used in the Dutch research project. In general, patients who had a stronger sense of physical efficacy were more likely to survive and less likely to suffer a relapse.

Several possible explanations exist, according to Ryckman and his colleagues. Patients with a stronger sense of physical efficacy may indeed be more physically fit and able to withstand the stress of treatment. They may also be more willing to change their diet, stop smoking or adopt other constructive health practices.

This major finding has led the researchers to suggest that patients with a low sense of physical efficacy should be encouraged to work with speech therapists to do relaxation exercises to improve their breathing and speech abilities. Also, physiotherapists could help these patients, especially those who have undergone neck dissections, to do arm raising exercises to improve their mobility. The benefits should include a reduction in negative feelings, uncertainty, and loss of control, and to an increase in self-esteem.

Healthcare providers have long recognized that psychological factors play an important role in how well patients cope with medical treatments. Increasingly, physicians are being trained to incorporate methods from psychology into their practices. One of Ryckman's colleagues, Dr. Maarten F. de Boer, is the chief surgeon at the Daniel den Hoed Cancer Clinic in Rotterdam and is completing his Ph.D. in psychology at the University of Rotterdam, with Ryckman and other psychologists as members of the dissertation committee.

"Many physicians are now more acutely aware of the psychological dimensions of diagnosis and treatment. They are collaborating more often with psychologists, and psychology itself is working more on illness prevention," says Ryckman. ▲

Scholarship *continued from page 14*

themselves. One way to help in those home-grown efforts in conservation is to help educate people."

Hunter has spent his career dedicated to conservation research. When he graduated from UMaine in 1974 and headed to Oxford University as a Rhodes Scholar, Hunter planned to spend the next 20 years traveling the globe. Within a few months at Oxford, he decided that he could best serve the conservation efforts by returning to the state he knew and loved the most. With Maine as a base, he decided he would contribute to international conservation by working with students of developing countries.

"I have had two wonderful experiences with two students that I want to see replicated," says Hunter. "Pralad Yonzon from Nepal (Ph.D. '89) now works for the World Wildlife Fund there, and Trinto Mugangu from Zaire (Ph.D. '90) works for the United Nations Environmental Program in Gabon. They are extraordinarily capable and dedicated to solving the problems in their respective parts of the world."

Other funds managed by the University of Maine Foundation that have been established by faculty in support of the institu-

tion's academic mission include:

▼ The Sociology Enhancement Fund, established by an anonymous donor, promotes "intellectual stimulation of the sociology faculty" and provides financial assistance for teaching fellows in the department.

▼ The Dr. W. Earl Britton Scholarship, established by Associate Professor of Education Pamela Schutz in honor of her father's 40-year tenure as a professor at the University of Michigan, is earmarked for special education master's degree candidates who have financial need and high academic standing.

▼ The Doris Berry Norton Travel Scholarship, established by Professor of Geological Sciences Steve Norton and his siblings, supports travel expenses of students in the Salzburg Program, administered by UMaine.

▼ The Electrical and Computer Engineering Endowment, established during the department chairmanship of John Field, with monies from shareware software sales and other innovative fund-raising efforts, supports general operating needs of the department. ▲

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: 1989 Chevy S10 Blazer. 2-DR, AT, 4x4, V6, 5-spd., AC, cruise. One owner. New battery. 89k miles. \$3,700. Call 827-2859.

HOUSE: Spacious 4-BR, 3-level finished house in a quiet residential neighborhood in Orono. 4 bathrooms, large picture windows, large backyard. Large LR, DR, play/family room, eat-in kitchen. Complete set of appliances. Two fireplaces in the living and family rooms. Lots of built-in closets and shelves. 2-car garage. Walk to UMaine and downtown. Plus, income producing apartment. \$142,900. Call 866-5983.

MISCELLANEOUS: 3-drawer dresser, \$20; 2-shelf bookshelf, \$20; foam futon, \$20; Panasonic dot matrix printer, \$30; men's 10-speed bike (needs new tires), \$15. Prices negotiable. Call 866-3863.

MISCELLANEOUS: Yellow enamel table, oval, 35"x55", \$15. 5 volumes, Toyne's *Study of History*, paperbacks in good condition, \$10; Philip Glass opera, *Satyagraha*, box set CDs and libretto in new condition. Purchased for \$53. Asking \$28. Call 866-0813.

THE HARVEST IS IN AT ROGERS FARM

Potatoes, 50-pound bags, Shepardy or Red Norland - \$7

Dry beans, Jacob's Cattle, Soldier, Yellow Eye or Marifax - \$1.25/lb.

For more information, call 827-4695.

EMPLOYEE ASSISTANCE PROGRAM SERVICES AVAILABLE

The Employee Assistance Program (EAP) provides free, short-term counseling and professional consultation services for all active and retired faculty and staff, and their immediate family members who have personal or work-related concerns. This confidential resource assists employees with a range of issues, such as occupational or personal stress; conflict resolution; anxiety disorders, such as phobias and panic attacks; marital and family issues; single parenting; legal referrals; relationship conflict, personal or at work; alcohol and drug misuse and dependency; burnout; depression; career decisions; divorce; financial concerns; and eldercare.

When a referral is needed, links are made with carefully screened community resources (therapists, psychiatrists, lawyers, physicians, financial consultants, etc.). Confidentiality is EAP's most critical component. All contacts are strictly confidential. No information, including participation in EAP, is disclosed without written client authorization. EAP office hours are Monday-Friday, 8 a.m.-4:40 p.m., including the noon hour. Accommodations for appointments can be made. Call 581-4014.

Employee Assistance Program-Emergency Loan Fund (EAP-ELF) is available to all UMaine employees experiencing financial emergencies, with interest-free loans up to \$750 in one year to be paid back by payroll deduction. Call the EAP office, x4014, for an appointment.

MOBILE HOME: 1972, 12'x50', Newport with 2-room addition in quiet Orono park. W/D, appliances, 3-year-old furnace, woodstove. Moving-must sell. Asking \$7,000. Serious buyers please. WILL NEGOTIATE. Call 866-3863.

FOR RENT

APARTMENT: Orono. Large, sunny, 2-BR apartment with river views. Quiet, private location for responsible adults or a family. Convenient to UMaine. A must-see. \$550 plus utilities. No pets. Call 348-6764 or leave message, 348-5243.

APARTMENT: Starting Jan. 1. Orono, walking distance to campus. Sunny 1-BR, very quiet. Great neighborhood, a must-see apartment. \$400 + pay small electric bill. Small cat OK. Call 866-3872 and leave message.

ROOM: Share lovely 2-BR, quiet Bangor home with owner. Cost negotiable in exchange for help with household responsibilities. Ideal for faculty, staff, graduate student. Call 942-9846.

SERVICES

FINANCIAL SERVICES AND RETIREMENT PLANNING: Jane Campbell Brann, VALIC Retirement Plan specialist, is available for individual or group assistance at the University every Tuesday or by appointment. Call 732-4955 or leave voice mail at 800-448-2542, x259.

TREE REMOVAL SERVICE: Free estimates, many references. Seasoned firewood \$70 per 1/2 cord or \$130/cord, delivered. Commercial woodsplitter rental, 4-way wedge, free delivery, \$65/day or \$100/2 days. Call Gordon, 866-7034.

WANTED

CARPOOL: To and from the University from downtown Old Town, M-F. Work schedule: 8 a.m.-4:30 p.m. Call: 827-5379, leave message.

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 the hours of 12:01 a.m. 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.

WOMEN SHARING KNOWLEDGE AND POWER

A conference for women with disabilities and those who care about them
SATURDAY, NOV. 21, 8 A.M.-4 P.M.

MASON AUDITORIUM, EASTERN MAINE MEDICAL CENTER

The Women Sharing Knowledge and Power conference, presented by Mabel Wadsworth Women's Health Center, is co-sponsored by a number of groups, including UMaine's Center for Community Inclusion, School of Nursing and School of Social Work. Serving as chair of the conference planning committee is Jean Symonds, associate professor of nursing.

Among the members of the University community participating in the conference are Patty Coleman, Sandy Drennen, Penny Gray and Sheri Cousins.

Keynoting the conference is Sonya Perduta-Fulginiti, health services coordinator for the New England Regional Spinal Cord Injury Center, Boston Medical Center, speaking on "Raising Our Voices." Panel discussions and workshops are planned throughout the morning and afternoon.

The conference is free. Registration deadline: Nov. 16. For information, call 947-5337.

UMaine Cooperative Extension

Watershed Stewards

Residents of the Green Lake and Phillips Lake watersheds are training to be stewards of the natural areas through a special program being offered this fall by Cooperative Extension.

Participants in the watershed stewards program get 20 hours of free instruction in water quality issues, led by Extension water quality specialist John Jemison. In exchange, they commit to 20 hours of volunteer work to apply their new knowledge.

The Watershed Stewards Program began in 1996, modeled after the Master Gardener Program. The initial programs were in watersheds of Sebago Lake, Royal River, Swan Lake and Branch Lake. The Maine Department of Environmental Protection (DEP) has proposed priority watersheds for the state.

Trained volunteers meet their obligation by helping in a watershed survey of potential sources of erosion and other types of pollution in the spring. Citizens doing watershed surveys have identified a variety of problems, including eroding roads, failing septic systems and heavily fertilized lawns on steep slopes.

For instance, the educational program for the Swan Lake program involved training in soils, NPS pollution, lake biology and many other related topics. On Branch Lake, where the northern end is heavily developed, and erosion from camp roads, state roads, and other sources threaten water quality, volunteers identified 52 high-priority sites. Two sites have been corrected.

"Cooperative Extension provides information to homeowners about how to correct these problems," says Jemison. "For example, if people want to protect their view of a lake, we can show them how to use low-growing shrubs which reduce or prevent soil erosion while maintaining their view."

Participation in the watershed stewards program is open to the general public, including students, people with full and part-time jobs and retirees.

"Watershed protection has to come from the grassroots efforts of Maine citizens. We will provide interested citizens with the knowledge they need to identify potential sources of pollution that could cause water quality problems," says Jemison.

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.

Vice President for Student Affairs. Qualifications: Required: An advanced degree, preferably a doctorate. Must demonstrate substantial, successful experience developing, promoting, managing student-centered programs, preferably on a residential campus, and have senior level experience in the areas of fiscal management, staff supervision, and work with diverse internal and external constituencies. Strongly Preferred: Demonstrated sensitivity to issues of nondiscrimination, affirmative action, and diversity. Desirable: Experience managing auxiliary enterprises; knowledge of relevant legal issues in higher education. Review of Applications: Will begin 1/11/99. Position Available: 7/1/99. Contact: Send nominations and applications addressing the above criteria in a letter of interest accompanying a resume and the names and telephone numbers of at least three professional references to: Evelyn Silver, Vice President for Student Affairs Search, University of Maine, Room 101, 5754 North Stevens Hall, Orono, ME 04469-5754.

Development Officer (Position #53), University of Maine Cooperative Extension and Tanglewood 4-H Camp and Learning Center. Full-time professional position, working out of the Knox-Lincoln County Cooperative Extension Office in Waldoboro, Maine (with plans to move to Lincolnville in the next couple of years), contingent upon funding. Qualifications: Bachelor's degree with significant experience in fund raising and development, as well as public relations and management responsibilities. Master's Degree preferred. In-state travel, usually requiring a valid driver's license. For full job description with detailed statements of additional qualifications, please contact Sandy Vaillancourt at the address or phone number listed below. Deadline for Applications: 11/30/98. Salary Range: \$32,000-\$40,000, commensurate with training, experience, and demonstrated ability. Contact: Send letter of intent, resume, transcripts and three letters of reference tailored to fit this position to: Sandra Vaillancourt, Room 103, 5741 Libby Hall, Orono, ME 04469-5741; email sandyv@umext.maine.edu; telephone (207) 581-3191; fax (207) 581-3325. The committee will review only complete packets which are the responsibility of the applicant to provide.

Vice President for University Advancement. Qualifications: Advanced degree, understanding of the nature and needs of a public university, vision, creativity, and a sense of balance and perspective. Must have strong record of successful accomplishments in managing capital campaigns, planned giving programs and major gift solicitation. Must demonstrate high level of interpersonal communications and organizational skills and demonstrate ability to work well with university supporters and the university community. Review of Applications: Will begin 11/15/98 and continue until a qualified candidate is chosen. Contact: Send letter of application, resume, and three current references to: Dean Elaine Albright, Chairperson, Search Committee, Vice President for University Advancement, University of Maine, 5729 Raymond H. Fogler Library, Orono, ME 04469-5729.

Coordinator of Dissemination & Technology, Center for Community Inclusion, Maine's UAP. Full-time position. Qualifications: Required: Minimum of a master's degree in marketing and public relations, management information, library/media science, communications or related field. Demonstrated experience in the provision of information dissemination, including Web-based technology; leadership experience in the provision of staff development and support, writing/editing, and information dissemination; excellent communication skills, including technical and professional writing experience; possess excellent organizational skills, work well under pressure and be able to meet deadlines. Solid knowledge and demonstrated proficiency in desktop publishing and presentation software, database management, Web authoring, and other communication media. Preferred: Knowledge of disability issues; knowledge and proficiency in Mac platform. Salary Range: \$36,000-\$40,000, based on education and experience. Review of Applications: Will begin 11/16/98 and continue until the position is filled. Contact: Send cover letter, curriculum vitae, portfolio of at least three recent works, three letters of recommendation, and transcripts to: Chair, Dissemination Coordinator Search, Center for Community Inclusion, UAP, University of Maine, 5717 Corbett Hall, Orono, ME 04469-5717.

Computer Specialist/Network Administrator, The Maine Business School (MBS) and the School of Marine Sciences (SMS). Shared full-time position. Continuation of the SMS half of this position beyond the first year is contingent upon the availability of extramural funding. Qualifications: Required: Bachelor's degree with documented substantial professional working experience as a network administrator in all of UNIX, Novell and NT environments. Good oral and written communication skills and proven ability to work with minimum supervision. Preferred: Master's degree with the above professional network administrator experience. Would be an Asset: Professional system administrator-level experience with a variety of UNIX operating systems (e.g. SOLARIS, DEC Unix). Salary Range: \$28,000-\$32,000, depending on experience. Review of Applications: Began 11/1/98. Contact: Send letter outlining professional background, skills and experience, resume, and names, addresses and phone numbers of three references to: Robin Arnold, Computer Specialist Search Committee, School of Marine Sciences, University of Maine, 5741 Libby Hall, Orono, ME 04469-5741.

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.

Directory Changes

Alan Strout, I.T. Accountant, 120 Lord Hall. x2509.


Susan Young, Computer Connection Cashier, 120 Lord Hall. x2511.

Cultural Affairs Committee Deadline for Proposals

The deadline to submit proposals to the Cultural Affairs/Distinguished Lecture Series Committee is Dec. 1. Proposal guidelines and applications are available by contacting Wanda Legere, President's Office, X1516.

**UNIVERSITY OF MAINE
CONTINUING EDUCATION DIVISION**

WINTER SESSION




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Telephone: 207-581-3143 • Fax: 207-581-3141
www.ume.maine.edu/~ced/winter.html



E-Mail: CEDSS@Maine.Maine.Edu



Sponsored Programs

National Cancer Institute supports cancer control behavioral research. New investigators in nursing, nutrition, social work, policy studies, social and behavioral sciences, and other relevant disciplines may apply for Small Grants to test ideas, develop methodologies, do pilot studies, or conduct secondary data analyses. Maximum award: \$100,000 in direct

costs. Deadlines: Dec. 20, April 20, Aug. 20.

Open Society Institute's Project on Death in America requests applications for one-year fellowships in support of humanistic studies and artistic creation related to death, dying and bereavement. Matching grants for two-week interdisciplinary institutes are also available. Deadline: Jan. 15.

Graham Foundation makes grants of up to \$10,000 for research, publication, exhibition, and other projects focused on architecture and the built environment. Deadline: Jan. 15.

National Science Foundation's Environmental Geochemistry and Biogeochemistry Program supports interdisciplinary projects to characterize chemical parameters in perturbed or unperturbed natural systems, clarify the chemical and biological processes or behavior observed, or combine observations and interpretations into predictive models. FY99 deadline: Jan. 20.

National Endowment for the Humanities sponsors topic-oriented 4- to 6-week summer seminars and institutes for college and university teachers. The 1999 slate offers 23 such opportunities for advanced study, research, and professional development. Participants receive a stipend of up to \$3,700, dependent on the length of the program. Deadline: March 1.

Air Force Office of Scientific Research's FY99 Broad Agency Announcement describes basic research interests and invites proposals in chemistry, electronics, mathematics, physics, and the aerospace, life, materials, and space sciences. A revised Proposer's Guide is also available.

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

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*.

The UMaine Master Calendar is available on FirstClass (in the Campus Activities folder) and on the Web (off the UMaine homepage: www.umeaine.edu or the calendar website: www.umeaine.edu/~paffairs/perspectiveweb/mastercalendar.html).

COMPREHENSIVE FEE PROGRAM FUND APPLICATIONS

The Comprehensive Fee Program Fund Committee is accepting funding applications for this academic year. The committee administers the disbursement of program funds set aside to facilitate recognized student organizations sponsoring events that meet the diverse social and cultural needs of our student body. Applications are available at the offices of Student Government, Association of Graduate Students, the Union Board, and the Dean of Students and Community Life. Proposals must be received and reviewed by the committee prior to the event taking place. Committee meetings are Nov. 16, Nov. 30 and Dec. 14.

ANDREW W. MELLON FELLOWSHIPS IN HUMANISTIC STUDIES

Eighty Mellon Fellowships will be awarded to promising students in humanistic studies who will begin their Ph.D. programs in fall 1999. Eligible fields include American studies, art history, classics, comparative literature, cultural anthropology, English literature, foreign language and literature, history, history and philosophy of science, musicology, philosophy, political philosophy, and religious studies. The stipend for this one-year program will be \$14,500 plus tuition and mandated fees. Eligible students, either seniors or graduates of the last five years who have not begun Ph.D. studies, must request applications by Dec. 7, and must submit completed applications by Dec. 31. Candidates must take the Graduate Record Examination General Test by Dec. 1. For brochures and additional information, contact Doug Allen, professor of philosophy and University representative for the Mellon Fellowships in Humanistic Studies, Department of Philosophy, The Maples, 581-3860, or FirstClass e-mail.

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.

What's Ahead



REC SPORTS NIGHT
November 20

THANKSGIVING BREAK
November 25-29

WOMEN'S BASKETBALL
DEAD RIVER CLASSIC
November 27-28

MUSEUM OF ART EXHIBITS
COLORPRINT USA
SALON DE FAX
Opening December 4

Perspective

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