

The University of Maine

DigitalCommons@UMaine

General University of Maine Publications

University of Maine Publications

3-17-1997

Maine Perspective, v 8, i 12

Department of Public Affairs, University of Maine

Follow this and additional works at: https://digitalcommons.library.umaine.edu/univ_publications

Repository Citation

Department of Public Affairs, University of Maine, "Maine Perspective, v 8, i 12" (1997). *General University of Maine Publications*. 1484.

https://digitalcommons.library.umaine.edu/univ_publications/1484

This Newsletter is brought to you for free and open access by DigitalCommons@UMaine. It has been accepted for inclusion in General University of Maine Publications by an authorized administrator of DigitalCommons@UMaine. For more information, please contact um.library.technical.services@maine.edu.

At UMaine Where It All Began Phi Kappa Phi Observes Its Centennial Year



A century ago, University of Maine senior Marcus Urann was sitting in a dorm room in Oak Hall bemoaning the emphasis on athletics, amusements and college politics in the lives of undergraduates. He argued to the small circle of friends that the focus instead should be on scholarship and its place in the University community. The time had come, he said, to organize an academic honor society for all students.

Urann was a member of the Class of '97 - 1897. That year, with the encouragement of then President Abram Harris, Urann and two classmates formed a local honor chapter that within three years became a leading national organization in higher education to promote academic excellence across all disciplines.

"Phi Kappa Phi is the only honor society that recognizes academic excellence across all disciplines - the best students at the University of Maine and at institutions across the country," says Ginny Gibson, president of the UMaine chapter of Phi Kappa Phi. "Each academic discipline has its own honor society but Phi Kappa Phi is interdisciplinary, recognizing excellence wherever it is found. In this respect it is a unique organization."

What began as the inspiration of one UMaine student and the subsequent initiation of 10 of the University's top scholars and three of its outstanding faculty in 1897 has grown into a national organization with almost a million members worldwide and more than 300 chapters from Maine to Manila. Eligibility is based on excellence of scholarship and integrity of character -

undergraduates in the upper 10 percent of their class, and graduate students, faculty, alumni and honorary members of scholarly distinction.

Extensive documentation of the organization's dynamic history is found in Fogler Library's Special Collections. The Collection of Phi Kappa Phi National Honorary Society contains the earliest records of the Society dating back to 1897. It also includes more than 100 boxes filled with pages of history, and financial and chapter records from throughout the country.

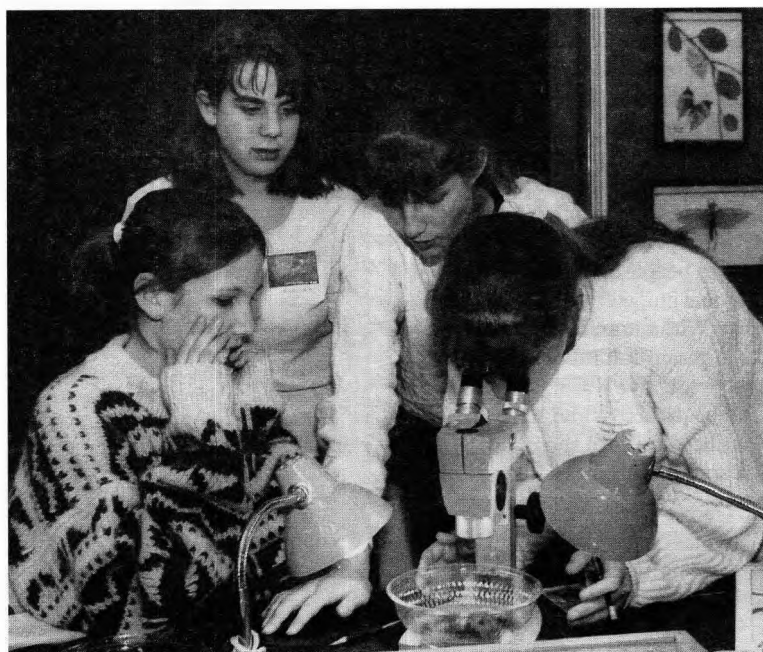
Phi Kappa Phi will celebrate its centennial with a three-day celebration this summer in New Orleans, just down the road from its national headquarters in Baton Rouge. Here on campus where it all began, the founding chapter of Phi Kappa Phi will also commemorate the historic milestone. Special recognition of the centennial will be part of the annual spring initiation ceremony April 7, which will be highlighted by an address by University of Maine System Chancellor Terrence MacTaggart, a member of Phi Kappa Phi. At the Honors Convocation April 28, the anniversary will be marked with a 100th birthday cake.

continued on page 13

In Perspective

- 2 Women's Resource Center**
- 2 Leading in Wood Composites Research**
- 7 Disability Awareness Days**
- 8 In Focus: Working Women**

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



Buckfield junior and senior high school students Sami Jack, Beth Bly, and Chelsey and Cassie Boucher take a close look at a Madagascar Hissing Cockroach during a session, "Awesome Insects: The Good, the Bad and the Ugly," led by Kathleen Murray, research assistant professor of applied ecology and environmental sciences, as part of the annual Expanding Your Horizons. Expanding Your Horizons, coordinated by UMaine Cooperative Extension, attracted 720 girls in grades 7-9 from 54 schools from Presque Isle to Kittery. They were accompanied to campus by 96 adults for a day of academic activities that were led by 92 women, 75 percent of whom are UMaine faculty, staff and students.

Photo by Kathryn Rice

Women's Resource Center Facilitating Opportunities, 'Institutional Connectedness'

For the past five years, the Support Staff Committee of the Women's Resource Center has brought classified women together from across campus to talk of common issues and to organize. Among its successful initiatives has been the establishment of the Classified Employees Advisory Council, and a campuswide recognition of outstanding supervisors in the University community.

This semester the Committee is equally as active, organizing such events as a panel discussion on supervision, discussion groups on menopause, and networking meetings for UMaine women. On the heels of such success, what will the Committee do next?

Disband.

"People who are disenfranchised or less empowered need a place where they can develop a voice in a group," says Barker, who has directed the Women's Resource Center since its inception in 1991. "From there, they then can go beyond their group for influence with a broader base. That's where the Support Staff Committee is now. The reason we started the Committee was to strengthen the connection between support staff and the Resource Center, and to help these women increase their voices on campus. The members have done all this good work on campus and now it's on to other things."

Few successful committees disband, Barker admitted. But with Committee members now actively leading and participating in other activities in the University community, and in keeping with the Resource Center's philosophy of "modeling behaviors outside the norm," it is time, she says, to champion other needs.

"We get too caught up in the ways we've always done things, like if a committee is successful, keep it going. But what's needed is constant analysis as to whether there is a better way to use time and scarce resources. It's demonstrating a different way of doing business."

When the Center was vulnerable to budget cuts in recent years, Barker says she was advised that she "had to do something visible that people could point to as tangible proof of value. We do a lot of programming on this campus which makes for a whole lot of visibility but not a lot of long-term, institutional change," she says. "My theory on the Center is to be more of a catalyst for women, a place they can find what they need – materials, other women, a way to move their ideas forward. It is all very empowering, and the Support Staff Committee is a good example."

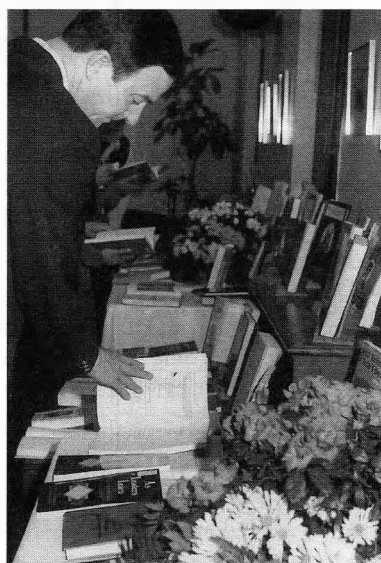
A focus of the Women's Resource Center is on providing a variety of opportunities for women to gather. By facilitating the opportunities, the Center is offering these women, often for the first time, a base of operation – an "institutional connectedness."

"The Women's Resource Center gives people an institutional place to stand," says Barker. "People feel empowered if there is some place for them in an institution. Without an institutional niche, the energy is negative, there is gossip behind closed doors and information is shared in counterproductive ways. Give them a place to stand and they feel they can be proactive and have an effect, and they feel that someone is standing with them, supporting their ideas or ability to express their ideas."

continued on page 15

MAINE PERSPECTIVE PUBLICATION SCHEDULE

The remaining issues of *Maine Perspective* and deadlines for submission are: March 31 (deadline March 21); April 14 (deadline April 4); and April 28 (deadline April 18).



Every two years since the early 1980s, Fogler Library has hosted a reception for members of the University community who have authored or edited books. This year the reception took place Feb. 27 in the Lynch Room in the Library. The list of authors and titles includes 65 authors from all areas of the University and their 84 works. Especially prolific authors include Gordon Donaldson from Education and Ken Norris from English, each with four books. Copies of the list are available by calling the Library Administrative Offices, 581-1661.

UMaine Taking Leadership Role in Wood Composites Research

Groundbreaking is expected early this summer for a new 25,000-square-foot facility to house the University of Maine's Center for Advanced Wood Composites in Construction. The project has received about \$8 million in public and private sector funds, and additional contributions are being raised for equipment and personnel.

Composite materials engineering research is one of five areas targeted recently by the University of Maine System. According to Habib Dagher, professor of civil and environmental engineering, the Center will provide jobs for 20 graduate and undergraduate students, two post-doctoral scientists and two new research faculty. The success of the effort to date will place UMaine among a small group of universities in the nation with significant wood composites research programs.

Funds already committed to the project include the following: U.S. Economic Development Administration, \$2.2 million; National Science Foundation, \$2.3 million; State of Maine through the Maine Science and Technology Foundation, \$1.1 million; private industry, including Brunswick Technologies Inc., \$1.1 million.

continued on page 15

Maine Perspective

Maine Perspective is published by the Department of Public Affairs
University of Maine • 5761 Howard A. Keyo Public Affairs Building
Orono, Maine 04469-5761 • 207/581-3745

Director of Public Affairs John Diamond • Executive Editor Margaret Nagle

Layout and Design by University of Maine Department of Public Affairs
Printed by University of Maine Printing Services

In complying with the letter and spirit of applicable laws and in pursuing its own goals of pluralism, the University of Maine shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability or veterans status in employment, education, and all other areas of the University. The University provides reasonable accommodations to qualified individuals with disabilities upon request.

UNIVERSITY OF
MAINE

U Maine Calendar

MARCH 18 – APRIL 2

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.

18 Tuesday

"Two-Dimensional Nucleation and Growth," by Robert DeLevie, Georgetown University, part of the Chemistry Department Seminar Series, 11 a.m., March 18, 316 Aubert Hall. x1196.

"Women and Children at Work: Oral Histories of Workers for the Dennison Manufacturing Company," by Gloria Vollmers, part of the Women in the Curriculum Lunch Series and part of the Women's History Celebration, 12:15 p.m., March 18, Bangor Lounge, Union. x1228.

Introduction to FTP, a Fogler Web Training Class, 1-3 p.m., March 18, Fogler Computer Classroom. Pre-registration required. x1675.

Super Soup Supper, supper, conversation and community as a prelude to the March 19 lecture, "Hard Work to Make Ends Meet," offered as part of the Women's History Celebration, 5:30 p.m., March 18, Fernald Hall. Donation suggested. x1228.

"Hard Work to Make Ends Meet: Narratives from Maine's Working Women, 1890-1900," narrative presentation by Carol Toner, Susan Bruce, Karen Kerr, Paula Mirk, Lauren Bruce, Linda Bruce and Bonnie Blair, part of the Women's History Celebration, 7 p.m., March 18, Minsky Recital Hall. x1228.

19 Wednesday

Journal Database Searching, a Fogler Library Internet Workshop, 9-11 a.m., March 19, Fogler Computer Classroom. Pre-registration required. x1678.

International Awareness Brown Bag Lunch featuring a discussion of India by Anuket Bhaduri, 12:10-1:30 p.m., March 19, Totman Lounge, Union. x2905.

"A Century of Change: A Contrast of the Diverse Social, Political and Professional Struggles of European, Canadian and American Women, 1850s-1950s," featuring presentations by Elizabeth Hedler, Muffy Eastman, Kathy Schilmoeller, Kristin Gwinn, part of the Women's History Celebration, 3:15 p.m., March 19, Bangor Lounge, Union. x1228.

"How to Become a Mathematician and Why," by Caslav Stanojevic, Visiting Libra Professor of Mathematics from the University of Missouri, offered by the College of Sciences and Department of Mathematics and Statistics, 7 p.m., March 19, 110 Little Hall. x3938.

"A Woman Called Mankiller," the keynote address for the Women's History Celebration by Rayna Green, director of the American Indian Program, Smithsonian National Museum, 7:30 p.m., March 19, Wells Conference Center. x1228.

20 Thursday

"Native American Women and Music," by Rayna Green, director of the American Indian Program, Smithsonian National Museum, part of the Women's History Celebration, 9:30 a.m., March 20, Bangor Lounge, Union. x1228.

PowerPoint, a Fogler Multimedia Class, 10 a.m.-noon, March 20, Fogler Computer Classroom. Pre-registration required. x1675.

Lunch Forum with Caslav Stanojevic, Visiting Libra Professor of Mathematics from the University of Missouri, offered by the College of Sciences and Department of Mathematics and Statistics, 11:30 a.m.-12:45 p.m., March 20, 421 Neville Hall. x3938.

"American Indian Religious and Cultural Expropriation," by Rayna Green, a Cherokee and director of American Indian Programs for the National Museum of American History, Smithsonian Institution, part of the Socialist-Marxist Studies Luncheon Series and the Women's History Celebration, 12:30 p.m., March 20, Bangor Lounge, Union. x3860.

"Plant Collecting Around the World," by Roger Luce, part of the Landscape Horticulture Lecture Series, 5:30 p.m., March 20, 113 Deering Hall. 866-0658.

Women in War: Voices from the Front Line, part of the Peace and Justice Film Series and the Women's History Celebration, 7 p.m., March 20, 100 Corbett Business Building. x3860.

21 Friday

Networking Women at UMaine, noon, March 21, Honors Center. x1508.

"Complementary DNA Cloning, Sequencing and Expression of a 60 kd Dehydrin from Blueberry: Its Putative Role in Determination of Freezing Tolerance," by Jeannie Rowland, USDA, Beltsville, Md., offered by the Department of Plant Biology & Pathology, and Biochemistry, Microbiology & Molecular Biology, 1:30 p.m., March 21, 101C Deering Hall. x2971.

"Studies of Atmospheric Deposition of Pollutants and Effects on Fish Morphology and Physiology in Remote Lakes of Northwest Russia," by Viktor Komov, senior scientist, Russian Academy of Sciences, Institute for Biology of Inland Waters, Borok, Russia, part of the Department of Zoology Seminar Series, 3:10 p.m., March 21, 102 Murray Hall. x2540.

"A Mathematical Model for a Self-adjusting Energy Absorption Device," by Caslav Stanojevic, Visiting Libra Professor of Mathematics from the University of Missouri, offered by the College of Sciences, Department of Mathematics and Statistics, and Department of Physics and Astronomy, 3:10 p.m., March 21, 140 Bennett Hall. x3938.

"The Mesoamerican Ballgame: Ritual Sport of the Americas," by Jane Day, curator of Latin American archaeology, Denver Museum of Natural History, offered by the Hudson Museum, 3:30 p.m., March 21, Bodwell Area, Maine Center for the Arts. x1901.

Closing Reception for Museum of Art exhibits *Wake Up Little Susie: Pregnancy and Power Before Roe v. Wade, and Warnings,* offered during the Women's History Celebration, 5-7 p.m., March 21, Carnegie Hall. x3255.

"In the Garden of Diana: Negotiating the Biography of a Sixteenth Century Italian Abbess," by Maureen Pelta, associate professor of art history, Moore College of Art and Design, part of the Women's History Celebration, 7 p.m., March 21, 100 Nutting Hall. x1228.

22 Saturday

A Night in Nashville, part of the Maine Center for the Arts performance season, 8 p.m., March 22, Hutchins Concert Hall. Admission fee. x1755.

23 Sunday

University Singers Spring Concert, part of the School of Performing Arts Music Series, 3 p.m., March 23, Minsky Recital Hall. Admission fee. x1773.

24 Monday

Moose Biology, topic of a lecture by Karen Morris, wildlife biologist, Maine Inland Fisheries and Wildlife, part of the Department of Wildlife Ecology Seminar Series, noon, March 24, 204 Nutting Hall. x2799.

Ongoing Events

Academic Activities/Events

"Engendering Institutions: Women Everywhere, All the Time," UMaine's Women's History Celebration, March 18-27.

Healthy Passions: Celebrating Life, Love and Friendship Week, March 31-April 4.

Disabilities Awareness Days, April 1-3.

6th Annual Undergraduate Research Conference, featuring presentations by students in 11 departments and schools of the College of Social and Behavioral Sciences, April 5, Wells Conference Center.

Odyssey of the Mind, April 4-5.

Pulp and Paper Open House, April 10-11.

Conferences/Seminars/Workshops

Advanced Searching, Fogler Library Internet Workshops, March 18; 6-8 p.m., April 10, Fogler Computer Classroom. Pre-registration required. x1678.

Do-It-Yourself Database Searching Workshop: Engineering and Technology Information, offered by Fogler Library, 1-2:30 p.m., March 19; 10:30 a.m.-noon, March 21. Preregistration. x1697.

Entertainment

School of Performing Arts Dance Concert, 8 p.m. March 28-29, Hauck Auditorium. Admission fee. x1773.

"Our Place in Space," a Planetarium show, 7 p.m., April 18; 3 p.m., April 19-20, Wingate Hall. Admission fee. x1341.

"Partnership Earth," a Planetarium show, 1:30 p.m., April 19-20, Wingate Hall. Admission fee. x1341.

The Baltimore Waltz, directed by Patricia Riffin, part of the Maine Masque Series, 8 p.m., April 18-19 and April 25-26; 2 p.m., April 20 and April 27; high school matinee noon, April 24. Admission fee. x1773.

Exhibits/Demonstrations/Tours

Warnings, a Museum of Art exhibit, offered during the Women's History Celebration, through March 26, 1938 Gallery, Carnegie Hall. x3255.

Wake Up Little Susie: Pregnancy and Power Before Roe v. Wade, a Museum of Art exhibit, offered during the Women's History Celebration, through March 30, Carnegie Gallery, Carnegie Hall. x3255.

Cedar and Sea: Peoples of the Northwest Coast, a Hudson Museum Exhibit, opening March 25, Maine Center for the Arts. x1901.

Student Art Juried Annual, a Museum of Art exhibit, April 11-30, Carnegie Hall. x3255.

Celebration! Performance Artifacts from Southeast Asia, a Hudson Museum exhibit, through April 27, Maine Center for the Arts. x1901.

Maine Forest and Logging Museum - Leonard's Mills, a water-powered sawmill community site, open daily 9 a.m.-4 p.m., with guided tours available, Bradley. x2871.

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

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

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

Meetings of Groups/Organizations

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

Noon Prayer, offered by the Newman Center, every Tuesday, Drummond Chapel, Union. 866-2155.

Earth Week Committee meets every Wednesday, noon-1 p.m., Ham Room, Union. x3777.

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

United Sisters Meeting, open to teenage girls, offered by the Women's Resource Center, 7-8:30 p.m., every Wednesday, 101 Fernald Hall. x1508.

Nontraditional/Commuter Student Coffee Hour, offered by the Center for Students and Community Life, 9:15 a.m., every Thursday, Nutter Lounge, Union. x1405.

"A Room of Our Own," a women's support group offered by the Women's Resource Center, 8-9 p.m., every Thursday, Old Town Room, Union. x6359.

Muslim Prayer, every Friday, noon-2 p.m., Drummond Chapel. x3449.

Prisoners of Gender, a discussion group focused the subject of gender, 3 p.m., every Friday, Old Town Room, Union. 827-8118.

Student Women's Association meets every Friday, 3-4:30 p.m., 101 Fernald Hall. x1508.

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

Miscellaneous

Study Abroad Resource Room, offered by the Office of International Programs, 11 a.m.-4 p.m., Monday-Friday, third floor, Maples. x3426.

Acoustic Jam, 6:30-8:30 p.m., every Wednesday, Sutton Lounge, Union.

Sportsman's Show, March 14-16.

Women's History Celebration Book Exhibit, 10 a.m.-3 p.m., March 24-25, FFA Room, Union. x1228.

Healthy Passions: Celebrating Life, Love and Friendship Week Information Tables, 11 a.m.-2 p.m., March 31-April 4, Union. x4183.

"Economic Injustice from a Welfare Recipient's Perspective," by Sandy Butler and Mary Nevin, part of the Peace Studies Spring Luncheon Series: "The Undeclared War: Economic Injustice in Our Affluent Society," and offered as part of the Women's History Celebration, 12:15 p.m., March 24, Bangor Lounge, Union. x2609.

Video: For Colored Girls Who Have Considered Suicide - When the Rainbow Is Enuf, with discussion facilitated by Mike Scott and by Josephine Bright, assistant professor of education, Wheelock College, offered as part of the Women's History Celebration, 4 p.m., March 24, Totman Lounge, Union. x1228.

"Environmental Ethics and the Engineer," by Jim Crowley, Otis Specialty Papers Inc., Jay, part of the Environmental Management Seminar Series, 4:10 p.m., March 24, 100 Jenness Hall. x2301.

"Harpichord Music by Women Composers of the Eighteenth Century," by Marina Minkin, doctoral candidate in musical arts in historical performance, Boston University, part of the Women's History Celebration, 7 p.m., March 24, Minsky Recital Hall. x1228.

25 Tuesday

Intermediate HTML, a Fogler Web Training Class, 10 a.m.-noon, March 25, Fogler Computer Classroom. Pre-registration required. x1675.

"The Role of Autotrophic, Hydrogen-oxidizing Bacteria in the Reduction of Chlorinated Solvents and Nitrate in the Presence of Iron Metal," by Lenly Weathers, part of the Chemistry Department Seminar Series, 11 a.m., March 25, 316 Aubert Hall. x1196.

"Starting Heritage Varieties in Your Garden," by horticulturist Claire Ackroyd, part of the Page Farm and Home Museum Brown Bag Luncheon Series, noon-1 p.m., March 25, Page Museum. x4100.

"Did She or Didn't She? Franco-American Women in Parochial Schools," a discussion with researcher Christine Rafal and members of the Franco-American Women's Initiative, part of the Women in the Curriculum Lunch Series and the Women's History Celebration, 12:15 p.m., March 25, Bangor Lounge, Union. x1228.

"Random Aspects of Certain Mathematical Entities Including the Lebesgue Integral, Inner Product Structures, and Uniformly Convex Structures," by Caslav Stanojevic, Visiting Libra Professor of Mathematics from the University of Missouri, offered by the College of Sciences and Department of Mathematics and Statistics, 3:10 p.m., March 25, 108 Jenness Hall. x3938.

Film: In Danku the Soup Is Sweeter: Women and Development in Ghana, with discussion led by UMaine graduate Heather Whittaker, 4 p.m., March 25, Totman Lounge, Union. x1228.

26 Wednesday

Introduction to URSUS, a Fogler Library Internet Workshop, 9-10:30 a.m., March 26, Fogler Computer Classroom. Pre-registration required. x1678.

Excel, Intermediate, an IT workshop, 10 a.m.-noon, March 26, 111 Corbett Business Building. Preregistration/admission fee. x1638.

Lunch Forum with Caslav Stanojevic, Visiting Libra Professor of Mathematics from the University of Missouri, offered by the College of Sciences and Department of Mathematics and Statistics, 11:30 a.m.-12:45 p.m., March 26, 421 Neville Hall. x3938.

International Awareness Brown Bag Lunch featuring a discussion of Ireland by Elaine Mulholland, 12:10-1:30 p.m., March 26, Totman Lounge, Union. x2905.

"Finding the Pulpit: From Silence to Voice in Zora Neal Hurston's *Their Eyes Were Watching God*," by Dorothy Harris, part of the Women's History Celebration, 12:15 p.m., March 26, Bangor Lounge, Union. x1228.

"Structure of Multipliers in Banach Spaces," by Caslav Stanojevic, Visiting Libra Professor of Mathematics from the University of Missouri, offered by the College of Sciences and Department of Mathematics and Statistics, 3:10 p.m., March 26, 210 Neville Hall. x3938.

Faculty Senate Meeting, 3:15 p.m., March 26, Lown Rooms, Union.

"Colonized Lives: Native Wives and Daughters of Victoria's Founding Families, 1850-1885," by Sylvia Van Kirk, history and women's studies, University of Toronto, part of the History Department Symposium

Series, 3:15 p.m., March 26, Bangor Lounge, Union. x1908.

"Brown Ash Basketmaking and the Die Back of the Brown Ash Tree," by Richard Silliboy, Micmac basket-maker, part of the Department of Art Guest Lecture Series, 7 p.m., March 26, 206 Rogers Hall. x3245.

27 Thursday

Photoshop II, a Fogler Multimedia Class, 10 a.m.-noon, March 27, Fogler Computer Classroom. Pre-registration required. x1675.

"The Ambiguous Reception of Mircea Eliade in the USA: The Historical, the Political and the Scholarly," by Doug Allen, part of the Socialist-Marxist Studies Luncheon Series, 12:30 p.m., March 27, Bangor Lounge, Union. x3860.

Scholarly Communication on the Net, Fogler Library Internet Workshop, 1-3 p.m., March 27, Fogler Computer Classroom. Pre-registration required. x1678.

"Colonized Lives: Native Wives and Daughters of Victoria's Founding Families, 1850-1885," by Sylvia Van Kirk, professor of history and women's studies, University of Toronto, part of the Women's History Celebration, 3:30 p.m., March 27, Honors Center. x1228.

"Defending Particularity in Ethics," by Philosophy Department Visiting Scholar Lawrence Blum, professor of philosophy and education, University of Massachusetts-Boston, part of the Philosophy Department Colloquium Series, 4 p.m., March 27, Levinson Room, Maples. x3865.

Film: As the Mirror Burns, with discussion led by Ngo Vin Long, part of the Women's History Celebration, 4 p.m., March 27, Totman Lounge, Union. x1228.

Howard Zinn: You Can't be Neutral on a Moving Train - Education and Activism, part of the Peace and Justice Film Series, 7 p.m., March 27, 100 Corbett Business Building. x3860.

28 Friday

Excel, Intermediate, an IT workshop, 9-11 a.m., March 28, Fogler Computer Classroom. Preregistration/admission fee. x1638.

Networking Women at UMaine, with Sandy Butler, noon, March 28, Annex C. x1508.

"The Use of Molecular Markers in Ecology and Conservation," by Judith Rhymmer, a Department of Plant Biology & Pathology seminar, 1:30 p.m., March 28, 101C Deering Hall. x2971.

"From *Drosophila* to *Bacillus*: One Man's Journey Through Corporate America," by Ralph Hodosh of Abbott, part of the Department of Zoology Seminar Series, 3:10 p.m., March 28, 102 Murray Hall. x2540.

29 Saturday

11th Annual Easter Egg Hunt, offered by the University Credit Union and the Orono Recreation Department, 10 a.m., March 29, Asa Adams playground.

31 Monday

End of Second-third of Semester for Withdrawals, 4:30 p.m., March 31.

Screening of *Spokeman*, an unreleased video of the one-man play written by NBC news correspondent John Hockenberry, part of Disabilities Awareness Days, 7 p.m., March 31, 100 Neville Hall. x2319.

The Friendship Game, part of Healthy Passions Week, 7 p.m., March 31, Bear's Den. x4183.

Carpe Diem Workshop, focusing on building self-esteem, creating and achieving goals, and making the most of each day, part of Healthy Passions Week, 8 p.m., March 31, York Hall. x4183.

1 Tuesday

Registration for Fall 1997 begins, April 1.

"Ketenes, the Vinyl Frontier," by Margaret Kerr, Wesleyan University, part of the Chemistry Department Seminar Series, 11 a.m., April 1, 316 Aubert Hall. x1196.

Advanced HTML, a Fogler Web Training Class, 1-3 p.m., April 1, Fogler Computer Classroom. Pre-registration required. x1675.

Navigating the Net, a Fogler Library Internet Workshop, 6-8 p.m., April 1, Fogler Computer Classroom. Pre-registration required. x1678.

Lecture by NBC news correspondent John Hockenberry, part of Disabilities Awareness Days, 7 p.m., April 1, Wells Conference Center. x2319.

Healthy Passions: Creating and Maintaining Loving Relationships, a workshop, part of Healthy Passions Week, 7 p.m., April 1, Oxford Hall.

Healthy Passions Poetry Reading, part of Healthy Passions Week, 7 p.m., April 1, York Hall. x4183.

"A Clean Breast of It," a narrative performance about breast cancer by playwright and performance artist Linda Park-Fuller, Southwest Missouri State University, offered by the Department of Communication and Journalism, 8 p.m., April 1, Cyrus Pavilion Theatre. x1228.

Where Have All the Lightning Bugs Gone? a Healthy Passions play directed by Claude Giroux, 8 p.m., April 1. x4183.

2 Wednesday

Windows 95, Introduction, an IT workshop, 10 a.m.-noon, April 2, 111 Corbett Business Building. Preregistration/fee. x1638.

Do-It-Yourself Database Searching Workshop: Health Sciences and Biomedicine, offered by Fogler Library, 10 a.m.-noon, April 2. Preregistration. x1697.

"A Clean Breast of It," a narrative performance about breast cancer by playwright and performance artist Linda Park-Fuller, Southwest Missouri State University, part of the Women in the Curriculum Lunch Series, 12:15 p.m., April 2, Cyrus Pavilion Theatre. x1228.

Lasting Love Couples Panel, part of Healthy Passions Week, 1:10-2 p.m., April 2, Shibbes Hall. x4183.

"A Clean Breast of It" Workshop, led by Linda Park-Fuller, Southwest Missouri State University, 3-5:30 p.m., April 2, Wells Conference Center. Reservations. x1942.

University Orchestra in Concert, conducted by Anatole Wieck, part of the School of Performing Arts Music Series, 8 p.m., April 2, Minsky Recital Hall. Admission fee. x1773.

Newman Center Holy Week Schedule

Palm Sunday -
Masses 9:30 a.m. and
6:15 p.m., March 23.
Holy Thursday -
Mass 7:30 p.m., March 27.
Good Friday -
Veneration of the Cross,
7:30 p.m., March 28.
Holy Saturday -
Vigil Mass 7:30 p.m., March 29.
Easter Sunday -
Masses 9:30 a.m. and
6:15 p.m., March 30.

People in Perspective

Pauleena MacDougall came to the University of Maine as a first-generation college student pursuing her long-held interest in Native Americans and language.

Two decades later, she has three academic degrees, has been instrumental in compiling the first dictionary of the Penobscot Indians, and has written a history of the Native Americans in central Maine.

Throughout her research and academic pursuits, the myriad resources of the Maine Folklife Center played a crucial role. Today as a folklorist, MacDougall continues to tap the Center's archives – and to oversee them as associate director of the Maine Folklife Center.

"There is a lot of Maine history here that can not be found anywhere else," says MacDougall of the Center. "There are many books you can read about the history of the lumber industry, but here you can find out what it was like to live in the camps – from what people did on Saturday night to what they ate. Here you'll find stories of women's lives – from those who spent their time in the home canning and helping their family survive to those who worked in the poultry plants and the mills.

"I deal with people whose history is largely not written. Personal experiences of people are essential to my work and oral history is the only way to get at the information," says MacDougall. "I love people's stories. One can read about the Depression, but people's stories tell what the experience was like. Such stories enrich history."

MacDougall received her undergraduate degree in anthropology in 1980 and a master's degree in quaternary studies in 1987, both from UMaine. As an undergraduate, she first came to the Center to begin research on the Penobscot language. For eight years she helped in the research and writing of a dictionary of the Penobscot language. She left Indian Island in 1988 to return to UMaine to pursue a Ph.D. in history. Her dissertation focused on the history of Indian Island.

"I have a broader interest in languages because I've always been fascinated in how language reflects thought and what it can tell about people," says MacDougall. "As an undergraduate I was interested in how

different cultures' thinking was expressed in their language. Penobscot is a difficult language to learn and gave me an opportunity to learn something about the people."

As a graduate student, MacDougall assisted in the editing of the Center's journal, *Northeast Folklife*, which was established almost four decades ago. In 1993, she was hired to work part-time.

Her focus has been on ensuring financial stability for the Center – a firm foundation for the future. One of the most recent steps toward enabling the Center to function as a self-supporting unit of the University has been the establishment of the Sandy Ives Fund for Folklife and Oral History, an endowed fund with the University of Maine Foundation. In addition, author Tabitha King, a former student of Center founder/director and Professor of Folklife Sandy Ives, has donated \$36,000 from the Stephen and Tabitha King Foundation over the past three years to fund a graduate fellowship and staff salary for the Center.

MacDougall also is involved in enhancing services for its 355 members. As members, libraries, historical societies and individuals receive the journal, the Center's biannual *Maine Folklife* newsletter, and discounts on materials, including videos and tapes.

The Center staff includes 11 students, five of whom are graduate students. The students are involved in projects such as reorganizing and establishing a database for the Center's library, and preservation of archival materials.

Priority projects for the Center include the preservation of archival tapes, some more than 40 years old. The original tapes are now stored in the climate-controlled annex of Fogler Library. The stepped-up preservation efforts are in concert with the Center's move to a new location four years ago.

The Maine Folklife Center, established as the Northeast Archives of Folklife and Oral History in 1957, moved from its basement offices to its new home on the first floor of South Stevens Hall. The new location has provided improved facilities and more visibility for the Center, as well as greater access to the archives.



Pauleena MacDougall

Photo by Kathryn Rice

"The archives grow all the time," says MacDougall. "One of the most recent projects is by students doing oral histories and acquiring information for the living history museum being built in Orrington by the Curran Homestead Foundation."

Two of the Center's newest projects involve music. A lumberwoods tape featuring documentary sound recordings of lumberwoods music of the early 20th century is being compiled. The audiotape will be supplemented by curriculum materials for educators. The second music project involves the collection of Passamaquoddy and Penobscot music from the '50s and '60s that has been archived throughout the country.

"A lot of people think that the archives are just student papers, but we have more than 3,000 tape recorded interviews, hundreds of recordings of traditional music, and more than 6,000 old photographs," says MacDougall. "A library is likely to have a manuscript, but if it has to do with areas like the lumberwoods or with topics not likely to be written down, people will find them here. This is where one will find family names and place names, as well as a lot of folklore, information on traditional medicine and even ghost stories.

"Folklore is what ordinary people say about things. It has a truth that is unique," says MacDougall.

Disability Awareness Focuses on Those Who Exceed the Limits

An address by journalist John Hockenberry and performances by the Disability Players will highlight Disability Awareness Days at the University, March 31-April 3.

Opening the four-day event will be the Maine premiere of an unreleased video by NBC correspondent John Hockenberry. *Spokeman* is the video of the one-man off-Broadway play written and performed by Hockenberry, a member of the *Dateline NBC* staff for the past year.

Hockenberry will deliver the keynote address for Disability Awareness Days the following evening, April 1. He is expected to discuss his journalism career, which includes two Peabody Awards and a 15-year career in broadcast news with National Public Radio and ABC News. He is the author of *Moving Violations: War Zones, Wheelchairs and Declarations of Independence*, his memoir of life as a foreign correspondent and of overcoming obstacles. Hockenberry was a college student when a spinal cord injury from a car accident left him mobility impaired.

Hockenberry is a speaker of interest to numerous academic areas across campus, says Ann Smith, counselor/coordinator of services for students with disabilities at UMaine. "He is a high-profile, successful journalist, author, playwright, television personality – and he uses a wheelchair," she says. "He covered Desert Storm, and he covered it in a wheelchair. His abilities and gifts far exceed any limitations that result from his disability."

April 2-3, the Disability Players will offer awareness skits – performances that proved powerful and popular during the last Disability Awareness Days two years ago on campus. The six skits, written by UMaine students with disabilities and by Smith, focus on snapshots of everyday life for members of the University community on campus. The serious messages, delivered with just the right mix of humor as a means of information sharing, are performed in an hour-long format that includes time for questions and dialogue.

"There is greater awareness about issues facing students with disabilities and a willingness to explore how their peers, faculty and staff can assist them at the University," says Smith. "However, the fact that we can still come up with skits of the dilemmas and frustrations related to being a student with disabilities at the University indicates that we need to continue to put information out there. People have a genuine interest and curiosity to learn more. We need education about all the diversity in our world."

Disability Awareness Days Highlights:

March 31

Maine Premiere of *Spokeman*, the unreleased video by John Hockenberry, 7 p.m., 100 Neville Hall

April 1

Disability Awareness Days Keynote Speaker John Hockenberry, NBC correspondent, talking about his work and his disability, 7 p.m., Wells Conference Center

April 2

Information Tables, highlighting the technology and services offered by disability organizations in the state, 9 a.m.-2 p.m., Lown Room, Union

Disability Players Awareness Skits, noon-1 p.m., Totman Lounge, Union; 2-3 p.m., Stodder Commons

CAREERS FOR ENGLISH MAJORS WORKSHOP

Wednesday, March 26, 3:30-5 p.m.

Writing Center, 4th floor Neville Hall

Featuring presentations by Virginia Nees-Hatlen, English Department, and Becky Robinson, Career Center.

April 3

Disability Players Awareness Skits, 10-11 a.m., Lynch Room, Fogler Library; 2-3 p.m., York Commons

"Up Close and Personal," a panel discussion by faculty, staff and students with disabilities, 12:15-1:30 p.m., Totman Lounge, Union

Video Marathon, featuring a wide selection of disability-related videos shown non-stop 9 a.m.-noon and 1:30-4 p.m., Totman Lounge, Union

Academy Award-nominated Movie: *Breathing Lessons*, 7 p.m., 100 Neville

Center Stage

School of Performing Arts



Dancing the Night Away

A dozen works, ranging from a liturgical dance to a duet choreographed to the music of Jimi Hendrix, will be part of the annual dance concert Friday-Saturday,

March 28-29, 8 p.m., in Hauck Auditorium.

The School of Performing Arts event, coordinated by dance instructor Ann Ross, involves nearly 65 artists. Most are students in UMaine's ballet, modern and jazz dance classes.

With settings designed by James Beer and lighting by David Adkins, the concert runs the gamut from African-jazz to tap dancing. The largest of the dozen works is choreographed by Ross to the theme music of the TV show and recent film *Mission: Impossible*. Most of the works are choreographed by the students themselves, reflecting the dance program's emphasis.

About 120 students are enrolled in dance courses this spring.

University Singers in Concert

Fresh from a New England tour during Spring Break, the University Singers ensemble of the UMaine School of Performing Arts will present its spring concert Sunday, March 23.

The 65-voice group will perform works ranging from Brahms and Maurice Duruflé to *Never Never Land* by Jule Styne and Leonard Bernstein's *Make Our Garden Grow* from *Candide*.

In a preview of a performance this spring with the UMaine Oratorio Society and the Bangor Symphony, the group will present a selection from Mahler's *Symphony No. 2*.

The concert will be at 3 p.m. in Minsky Recital Hall.

The ensemble has been directed for nearly 20 years by UMaine music professor Dennis Cox. Its tour March 10-16 stretched from southern Maine to New Hampshire and Massachusetts, to Rhode Island and Connecticut.

University Orchestra Concert Features Guest Conductor

The University Orchestra's concert Wednesday, April 2, will feature a guest conductor as well as two students who won UMaine's annual concerto competition.

Composer German Caceres, musical director of the Orquesta Sinfonica of El Salvador, will participate in the orchestra's annual spring performance, at 8 p.m., Minsky Recital Hall.

The orchestra will perform *Symphony No. 1* by Beethoven, Prokofiev's *Romeo and Juliet Suite* (Montagues and Capulets), a hopak, or Russian dance, by Moussorgsky, and *Fiddle Tunes* by Maine composer Harrison Roper.

Soloists will be flutist Melanie Torberg, who studies with music instructor Susan Heath, and clarinetist Jennifer Wilcox, who studies with music professor Richard Jacobs. Both students won the annual UMaine concerto competition.



Seamstresses, Pepperell Mill, Biddeford, ca. 1900

Hard Work to Make Ends Meet

Voices of Maine's Working Women

They are single and married, young and old, mothers and grandmothers. They are wage-earners out of desire and need, locked in a superwoman struggle that pits their personal aspirations against the challenges of childcare, family needs and social mores.

They are the working women of the 1880s.

"What we learn is that it is not a recent phenomenon that women worked outside the home," says UMaine labor and women's historian Carol Toner. "The ideal of women staying home and caring for a family is a 19th century middle-class idea that was strictly a luxury. The reality is women needed to supplement the incomes of men. Even before they went into the factories, they were earning wages doing domestic work to make ends meet. In some communities, there were networks of women caring for the children. A lot of children during this time were on their own or raised by older siblings. Life was more on the streets than it is today.

"Students today are surprised to find out that women were in the first wave of industrial workers. And there was the same unsolvable difficulty that women suffer today – being torn between loyalties, the need and desire to have a job, and the responsibilities to their families."

Give us the same rights, privileges and pay as the men have, and I believe there would be less foolish marriages and fewer divorces. Girls would not be so anxious to get married, and would be more careful in the choice of husbands. I believe women are as smart and capable as men and should be paid as much for their work.

Operative in Wigwam Slipper Shop, 1888

Discovering the history of Maine working women has been a focus of Toner's research for the past five years. Today, she shares her findings in the classroom and on the stage. For the Women's History Celebration this week, Toner and a female troupe are performing *Hard Work to Make Ends Meet: Narratives of Maine's Working Women, 1880-1900*, a readers' theater featuring the writing of late 19th century Maine working-class women. In the performance, the voices of women factory workers, together with the labor songs and poetry of the era, provide a provocative profile of the female workforce at the turn of the century. *Hard Work to Make Ends Meet* was written by Toner, and adapted for the stage and directed by Lauren Bruce, associate professor of speech and communications, University of Alaska.

The narratives, written by Maine working women at the turn of the century, range from enthusiastic praise for jobs and employers to bitter condemnation for social and economic inequalities, and offer "a rare glimpse into the thoughts of Maine's working women in the late 19th century," says Toner.

There is no doubt that the conditions of the working women can and should be improved. Why should men receive from \$2 to \$3 per day, and women doing the same quantity and in many cases a better quality of work, receive but half the wages . . . It seems to me that if I work nine hours a day and a man does the same work in the same number of hours, that we both should receive equal pay. The argument is sometimes used against this that a man has more expenses than a woman. This may be true. But while a single man hires his washing, mending and making of all garments, a woman generally has this to do herself in her spare hours while men are resting. It is no wonder that women grow older faster than men.

Machine Worker in Tailor's Shop, 1888

continued on page 14



Photo left, midcoast sardine factory, and photo right, crew of Oxford County coat factory, both ca. 1890.

Photos courtesy of Fogler Library Special Collections and the Bureau of Labor Education.

UMaine Cooperative Extension

Strengthening Stepfamilies

For the past five years, University of Maine Cooperative Extension in Penobscot County has offered programs for parents of preschoolers, school-age children and teenagers. Three years ago, another parenting program was added to meet the needs of "the family of the future" – stepfamilies.

"Because of the high divorce rate, a lot of adults are remarrying and it is becoming more common to see these types of families," according to Louise Kirkland, an Extension educator based in Bangor. "These are families with unique needs and problems – and a lot of potential."

The dynamics of living in a stepfamily can present a real challenge, says Kirkland. "It is a blending of two families, families that have gone through loss. Children in the stepfamily may be the same age, or an adult marrying into the family may have no children of his or her own. What does a step-parent do? Is the step-parent a 'real' mom or dad – or a friend?"

These and other issues are explored in a five-week parenting course, "Strengthening Stepfamilies," facilitated by Kirkland. Offered annually, the educational program emphasizes the commonality of the stepfamily experience rather than individuals' difficulties. It is based on the reality that many adults today are facing the major challenges of stepfamily living with high hopes but little or no preparation. While the focus is on the adults in the stepfamily, the program also recognizes that all in the household face changes and challenges.

The free course, to be offered again next month, usually involves up to a dozen adults – stepparents, those soon-to-be stepparents and those just entering relationships that could lead them into a stepfamily. Guided by a parent handbook, the group explores key questions and discusses actual experiences. Take-home activities involve children in an effort to get all family

Gallery Glimpses

Cedar & Sea: Peoples of the Northwest Coast opens Tuesday, March 25, at the Hudson Museum, allowing visitors to glimpse the life and land, home and tools of the Native peoples of the U.S. and Canadian Northwest Coast.

The long-term exhibition makes use of artifacts from a variety of periods to tell the story of people who worked close to the sea, the woods and each other. Its design in the Hudson's Gorman Gallery is to re-create the atmosphere of a Northwest "long house," with a white cedar platform serving as the central portion of the exhibition. Such homes have housed some Native peoples in the region for hundreds of years.

"This is the most ambitious exhibition the Museum has ever assembled," says Director Steve Whittington. "It takes advantage of the Museum's outstanding collection of Northwest artifacts."

The peoples are known by a variety of names: Nootka, Kwakiutl, Haida, Tlingit, Bella Coola and Tsimshian. They lived in villages and generally did not practice agriculture. Instead, they hunted, fished and gathered foodstuffs. The exhibit also deals with social organization and ceremonial life, including their special relationships with animals, especially salmon.

The exhibition features harpoons, baskets, secret society masks, a ceremonial robe known as a chikat, rattles and such items as bowls and horn spoons used in potlatch, a ceremonial feast in which gifts were exchanged. Also included are historical photographs, maps and an interactive computer program. ▲

members to communicate about issues, including discipline, competition and at-home responsibilities.

"A lot of it is an awakening of certain issues, including the dilemmas of the stepchildren and the stresses on them," says Kirkland. "In addition, the course brings these adults together to meet, share concerns and form support groups. They leave with greater skills to deal with the challenges." ▲

Look Who's On Campus

Anthropologist Jane Day will give an illustrated lecture at the Hudson Museum at 3:30 p.m., Friday, March 21 on: "The Mesoamerican Ballgame: Ritual Sport of the Americas." An expert on the archaeology of Central America, she retired as chief curator of the Denver Museum of Natural History in 1995. She curated the exhibition *Aztec: The World of Moctezuma* in 1992, which drew nearly 900,000 visitors. Day continues to teach at two Colorado universities and to work with the museum.



Folklorist and cultural historian Rayna Green will deliver the keynote address for Women's History Celebration, and will present two other lectures Wednesday-Thursday, March 19-20. Her keynote, "A Woman Called Mankiller," will be 7:30 p.m., March 19, Wells Conference Center. She will speak March 20 on: "Native American Women and Music," at 9:30 a.m.; and "American Religions and Cultural Expropriation," at 12:30 p.m., both in the Bangor Lounge.

Union. Green is the director of American Indian Programs for the National Museum of American History at the Smithsonian Institution. Her writing and research focuses on such areas as program and policy development for Indian tribes and institutions, folklife, Native American studies, women's studies, museum studies and ethnohistory.

Historian and author Sylvia Van Kirk will present an illustrated lecture at 3:15 p.m., Wednesday, March 26, Bangor Lounge, Union on: "Colonized Lives: Native Wives and Daughters of Victoria's Founding Families, 1850-1885." Van Kirk teaches history and women's studies at the University of Toronto. She is best known for her book, *Many Tender Ties: The Role of Women in Fur Trade Society in Western Canada, 1700-1850*. Her current research focuses on the experience of families of mixed-descent in the settler society of early British Columbia and the Pacific Northwest.

Philosopher and Philosophy Department Visiting Scholar Lawrence Blum will speak at 4 p.m., Thursday, March 27, in the Maples on: "Defending Particularity in Ethics." Blum is a professor of philosophy and education, and Distinguished Professor of Liberal Arts and Education, at the University of Massachusetts-Boston. Blum is the author of two books: *Moral Perception and Particularity*, and *Friendship, Altruism, and Morality*. While on campus, Blum also will be meeting with the Philosophy Department's capstone seminar.



Cancer survivor Linda Park-Fuller will give two personal narrative performances about surviving breast cancer Tuesday, April 1, 8 p.m., and Wednesday, April 2, 12:15 p.m., both in Cyrus Pavilion Theatre. Park-Fuller also will present an afternoon workshop April 2. The performances, called *A Clean Breast of It*, were written by Park-Fuller, who is a performer and theatrical director. Diagnosed with breast cancer in 1989, today she is cancer-free and committed to sharing survival tactics. Park-Fuller teaches at Southwest Missouri State University.

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

GPS Meets GLONASS

A satellite-based positioning system used by hikers, farmers, pilots and scientists could double in size if Alfred Leick, professor of spatial information science and engineering, can solve a problem stemming from the Cold War.

Leick teaches courses on the theory and use of satellites in surveying, and is the author of *GPS Satellite Surveying*, a widely used textbook. Last fall, he spent a sabbatical in California working on a method for integrating two satellite positioning systems, one built by the United States (known as the GPS or Global Positioning System) and the other by the Russians (known as GLONASS or Global Navigation Satellite System).

"In surveying, our goal is always to make things faster and more accurate," says Leick. "If you want to measure a baseline from Orono to Bangor to within a centimeter, you can do this with GPS under good circumstances. You need to have a certain number of satellites. The more satellites the better.

"Sometimes we have five or six, even seven. Then you have good solutions, almost instantaneous. But that doesn't happen very often. GPS was not designed for this purpose."

The U.S. and Russian systems were designed for military purposes during the Cold War and are still operated by military authorities. Nevertheless, civilian applications are expanding rapidly. A 1995 decision by the U.S. government to open its system to civilian use has contributed to a boom in the production of hand-held satellite receivers.

Under the right conditions, these units can determine the user's position and elevation at any point on the earth. By using a component of the satellite signal known as codes, the receivers can achieve accuracy to within 150 meters. In relative positioning, when two satellite receivers record data at the same time, they can be accurate to within 1 meter.

DeLorme Mapping Co., of Freeport sells a GPS receiver that works with the company's road atlas software to determine a vehicle's location in the state. Surveyors working for James Sewall Co., Old Town, use GPS routinely, as do airline pilots flying into Bangor, Portland and other communities. Hikers and sea kayakers have been known to use GPS units, although most orienteering is still done by map and by compass.

At present, says Leick, the necessary conditions for an accurate determination do not always occur. At least four satellites must be above the horizon and accessible to the user, but buildings and mountains can obstruct the signals the satellites emit. While Leick and his colleagues can't do anything about the terrain or other objects that block signals, they may be able to make more satellites available by merging the U.S. and Russian systems.

"With the addition of the GLONASS satellites, you can have eight or nine satellites visible at a time, and then you can determine a position baseline that is instantly accurate. If you wanted to determine a position of a plane as it flies, you can do this now with GPS. With more satellites, it would be more reliable."

Satellite receivers make two types of measurements, Leick explains. One type uses codes carried on the satellite signal, much like music on a radio station signal. Using GLONASS, those codes can be used to find a position with an accuracy of about 25 meters.

The other type of measurement uses part of the signal known as the carrier phase. Just as light travels in waves, so does the carrier phase. Measuring that wave and comparing measurements from two or more satellites and two receiving stations makes precision possible to within a centimeter. Leick's goal is to make that type of measurement with GLONASS.



Allan O'Connell and Beverly Paigen
Jackson Laboratory Photo

Acadia Genetic Diversity Study

Allan O'Connell, director of the UMaine Cooperative Parks Studies Unit, will participate in a study of genetic diversity in two wildlife species in Acadia National Park this summer. The project involves area high school students, scientists at

Jackson Laboratory in Bar Harbor and Acadia National Park.

Project scientists will develop and test a low-cost method for evaluating genetic diversity in the park's wildlife populations. Researchers will study beaver and spruce grouse because their numbers are declining on Mount Desert Island. Neither is considered endangered, according to Beverly Paigen, a senior staff scientist at Jackson Lab.

"Our goal is to protect the biodiversity of the park," says O'Connell. "With the results of this study we will be able to develop appropriate conservation strategies if we find that these species are seriously inbred."

The study has received \$50,000 from the National Park Foundation (NPF) through the Expedition Into the Parks program, a partnership among the National Park Service, NPF, and Canon U.S.A. Canon provides \$1 million to the program to support inventory, monitoring, and conservation projects in select national parks. Friends of Acadia, a Bar Harbor-based non-profit organization, is contributing \$5,000 to the project.

UMaine Extramural Awards

Cynthia Pilskaln of the Department of Oceanography has been awarded \$57,737 from the National Science Foundation for a project: "Nitrate Flux Associated with Vertically Migrating Phytoplankton in the Central North Pacific Gyre." This project addresses a fundamental problem in biological oceanography: the source of nutrients for new production in ocean surface waters. Researchers will examine the linkage between biological behavior and the upward transport of nutrients in the central North Pacific gyre.

Bruce Sidell of the School of Marine Sciences and Department of Zoology has been awarded \$139,931 for the first year of a four-year grant from the National Science Foundation for a project: "Evolution of an Oxygen-Binding Hemoprotein in a Unique Environment: Myoglobin in the Hemoglobinless Antarctic Icefishes." This project continues work on the evolution of Antarctic icefishes which have adapted to overcome cellular sensitivities to low temperatures. Molecular and cellular techniques will be used to study the role of myoglobin, a protein which helps to move oxygen among cells and store it for future use.

Kirk Maasch of the Department of Geological Sciences and Douglas MacAyeal, Department of Geophysical Sciences, University of Chicago, have been awarded \$101,658 from the National Science Foundation for a project: "A Theory for Global Climate Change on Millennial Time Scales." The researchers will use climatological evidence from both the southern and northern hemispheres to study several hypotheses which attempt to explain why synchronous climate related events occur on millennial time scales.

Joanne Tynon of the Parks Recreation and Tourism Program in the Department of Forest Management has been awarded \$7,997 from the U.S. Forest Service for a project: "Management of National Recreation Trails." The grant supports work by Tynon and doctoral candidate James Harding who will conduct a survey of the managers of the 823 trails in the National Recreation Trail System. The survey results will determine use patterns, multiple use issues and currently used management techniques.

Carl Trettin, USDA Forest Service, Charleston, S.C.; Martin Jurgensen, Michigan Technological University; **James McLaughlin**, Cooperative Forestry Research Unit; and Margaret Gale, Michigan Technological University: "Effects of Forest Management on Wetland Functions in a Sub-boreal Swamp," in C.C. Trettin, M.F. Jurgensen, D.F. Grigal.

M.R. Gale, and J.K. Jeglue (eds), Chapter 29, *Northern Forested Wetlands: Ecology and Management*, CRC/Lewis Publishers, Boca Raton pp. 411-427 (1997).

Howard Patterson, professor of chemistry; **Bruce MacDonald**, former M.S. chemistry student now at Pfizer Central Research; **Feng Fang**, former M.S. student in ecology and environmental science now at the University of Minnesota; and **Christopher Cronan**, professor of plant biology and pathology: "Enhancement of the Water Solubility of Organic Pollutants Such as Pyrene by Dissolved Organic Matter," *American Chemical Society Series 651: Humic and Fulvic Acids: Isolation, Structure and Environmental Role*, edited by J.S. Gaffney, N.A. Morley, and S.B. Clark, pp. 288-98 (1996).

Ramesh Gupta, professor, Department of Mathematics and Statistics, co-authored with N. Kannan and A. Raychandhari, University of Texas at San Antonio: "Analysis of Lognormal Survival Date," *Mathematical Biosciences*, 139:103-15 (1997).

Cynthia Mahmood, associate professor of anthropology: "Asylum, Violence, and the Limits of Advocacy," *Human Organization*, 55(4):493-98 (December 1996).

Malcolm Hunter Jr., Libra Professor of Conservation Biology: "The Biological Landscape," pages 57-67, *Creating a Forestry for the 21st Century*, K. Kohm and J. Franklin (eds.), Island Press, Washington, D.C., 475pp. (1997).

Renate Delphendahl, professor of German, a review of *Ira Kasperowski: Mittelalterrezeption im Werk des Novalis* (Tübingen: Niemeyer, 1994), *Monatshefte* 88(3):402-03 (Fall 1996).

John Vetelino, professor of electrical and computer engineering, has published in *Sensors and Actuators B* 35-36: "The Integration of a Chemiresistive Film Overlay with a Surface Acoustic Wave Micro-sensor," pp. 158-63 (1996) (co-authored with J. Galipeau, J. Caron, L. Snow, L. LeGore, and J. Andle); "The Optimization of a WO₃ Film for Applications in a SAW Gas Sensor," pp. 164-69 (1996) (co-authored with LeGore, Snow, and Galipeau); and "An Acoustic Plate Mode Sensor for Aqueous Mercury," pp. 70-175 (1996) (co-authored with D. McAllister, Andle, and M. Schweyer).

Judy Kellogg Markowsky, adjunct faculty, College of Education, and faculty associate, wildlife biology: "Breeding Bird Census, Mature White Pine Stand," (University of Maine Woodland Preserve), *Resident Bird Counts*, supplement to *Journal of Field Ornithology*, 67:55-56 (Autumn 1996). Also: "Orono-Old Town Christmas Bird Count," *National Audubon Society Field Notes*, 50(4):441.

Sandra Sigmon, assistant professor of psychology, **Melodie Greene** and **Kelly Rohan**, graduate students in psychology, and **Jennifer Nichols**, a psychology undergraduate: "Coping and Adjustment in Male and Female Survivors of Childhood Sexual Abuse," *Journal of Childhood Sexual Abuse*, 5:57-75 (1996).

HOST FAMILIES NEEDED FOR VISITING JAPANESE YOUTHS

Families throughout Maine have an opportunity to host a Japanese youngster this summer through a University of Maine Cooperative Extension 4-H exchange program. This is the seventh year for the program which brings students, ages 12-16, to share a month with a Maine family.

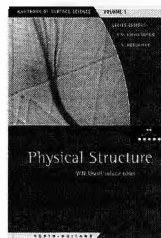
"We don't ask families to do anything special," says Harold Brown, program coordinator. "We want them to go through their normal routines. The youngsters have their own spending money and health insurance. We just ask the families to provide lodging and meals."

Families do not have to be enrolled in a 4-H program to participate in the exchange. The Japanese students are expected to be in Maine July 27-Aug. 22.

Since it began in 1972, the national 4-H exchange program has brought more than 30,000 Japanese youngsters to the United States, and more than 4,000 American students have made return visits to Japan. More information is available at county offices of UMaine Cooperative Extension.

V O L U M E S

Recent Works by University of Maine Authors



Physical Structure William Unertl, Volume Editor (North-Holland 1996)

The investigation of solid surfaces and related interfacial problems is a unique field with profound implications for basic scientific study and the understanding of materials. It also makes significant contributions to product development and problem solving in many materials-

based industries where surface finish, cleanliness, adhesion, wear or friction are important.

An introduction to the world of surface and interfacial science is provided by a five-volume series, "Handbook of Surface Science." The first volume in the series, *Physical Structure*, is edited by Professor of Physics William Unertl. It summarizes the current level of knowledge about the physical structure of solid surfaces with emphasis on well-defined surfaces at the gas-solid and vacuum-solid interfaces.

The 900-page volume contains contributions from leading researchers in the field of surface science technology. They include Unertl and Robert Lad, associate professor of physics. A range of contemporary techniques are presented in the volume. The contributions cover a variety of surface types such as metals, insulators and ceramics with technological applications.

Physical Structure is Unertl's first book.

B o o k E n d s

New & Noteworthy at the University Bookstore

Short stories and essays are increasingly popular with the reading public. Short stories provide a great opportunity to discover a new author, or to get a good dose of an old favorite. The following reviews feature collections from Random House Publishers and represent some of the best fiction writers of today. **Come to the General Book Information Desk, mention that you read these reviews, and save 10 percent on any of the reviewed books.**

East, West, Salman Rushdie - 1994. In his first major work of fiction since *The Satanic Verses*, Rushdie gives us nine stories that reveal the oceanic distances and unexpected intimacies between East and West. From rickshaw drivers to occultists, Christopher Columbus to Hamlet's court jester, the characters in *East, West* inhabit a world in which nationality, and even identity, shift unpredictably and deliriously. Rushdie is a master of perpetual storytelling.

Dancing After Hours, Andre Dubus - 1996. In each of these 14 stories, Dubus uncovers the mystery of ordinary life as his characters - often perseverant yet occasionally crazed by desire, loss or disappointment - wrestle with love, faith and luck. Here, Dubus demonstrates more powerfully than ever his mastery of form and his understanding of our imperfect lives.

The Devil Problem and Other True Stories, David Remnick - 1996. Remnick is the author of the Pulitzer Prize-winning novel *Lenin's Tomb*, and staff writer for the *New Yorker*. In this collection, his portraits of such disparate people as Gerry Adams and Dennis Rodman, Ben Bradlee and Marion Barry, Ralph Ellison and Alger Hiss are unified by his ability to create living characters and to provide a splendid portrait of representative characters of our time.

Open Secrets, Alice Munro - 1994. In these eight tales, a master of the short story reveals entire lives with a sureness that is nothing less than breathtaking, capturing those moments in which people shrug off old truths, old selves, and what they only thought was fate.

The Stories of Vladimir Nabokov, Vladimir Nabokov - 1996. Written between the 1920s and 1950s, these 65 tales, including 11 translated into English for the first time, display all the shades of Nabokov's imagination.

The Size of Thoughts, Nicholson Baker - 1996. Author of *Vox* and *The Mezzanine*, Baker collects over a decade's worth of essays and journalism, including his highly praised 1994 article on the destruction of library card catalogs. *The Size of Thoughts*, through its exploration of the realms of the overlooked, the underfunded and the wrongfully scrapped, is a funny, thought-provoking book by one of the most distinctive stylists of our time.

Bob Bayer, professor of AVAS and executive director of the Lobster Institute, attended the Fifth International Conference and Workshop on Lobster Biology and Management, Queenstown, New Zealand. He presented a paper: "Health Management of Lobster Held in High Density Confinement," co-authored by Michael Loughlin, biologist at Maine Lobster

Technology in Hancock; **Deanna Prince**, research associate in AVAS, and **Seth Tyler**, professor of zoology. Bayer also presented a poster: "Lobster Harvesters' Fishing Practices and Response Toward Trap Limits in Maine, USA," co-authored by **Rebecca Carr** and **Walter McIntire**, Center for Research and Evaluation. He also served on a panel on aquaculture and enhancement.

Patricia Counihan, manager of the Career Center, has been elected to the 1997-98 Board of Directors of the newly merged professional association, the Eastern Association of Colleges and Employers. This association is comprised of college members (career services professionals), employer members (employers hiring college graduates), and affiliate members (consultants, for example). The association includes members along the East Coast from Maine to Virginia, and is a merging of the New England association with the Mid-Atlantic association for a total of more than 1,000 members. On the board, Counihan will represent members as director of member services.

George Criner, associate professor of resource economics and policy, attended a solid waste management colloquium in Zurich, Switzerland, Feb. 3, and also toured two waste incineration plants. Feb. 4-7, he attended the R'97 Recovery, Recycling, Re-Integration Waste Management Congress in Geneva, Switzerland. Feb. 5, Criner presented his published proceedings article: "Volume Based Fees Impact on Residential Waste Disposal: Case Study of Maine, USA."

Franklin Roberts, professor of zoology, gave a lecture: "Travel and the Educational Experience for the Undergraduate Student," to the 1996 Annual International Convention of the Partners of the Americas, Boston, Nov. 23.

Mazie Hough, staff associate, Women in the Curriculum, presented a talk on Maine women's history to the Uptown Business and Professional Women Feb. 19.

Jim Artesani, assistant professor of special education, gave two presentations at the Annual Pacific-Rim Conference, Honolulu, Feb. 17-21: "Encouraging Self-Determination for Students with Disabilities," and "Positive Behavioral Approaches in the General Education Classroom."

Literacy education professors **Rosemary Bamford** and **Janice Kristo** gave a presentation on behind-the-glass teaching strategies for the Maine Reading Association, Downeast School, Bangor, Feb. 13. The presentation was: "Behind the Glass and Its Impact on You."

March 1, members of the Franco-American Women's Initiative, **Katie Bossé**, **Deborah Ouellette Small**, **Lanette Landry Petrie**, and **Rhea Côté Robbins**, along with Franco-American community women, Gerilyn Bossé and Jeannine Roy, were led by Lucille Labranche Gosselin in giving French and English cultural presentations, readings, playing traditional music, performing dance and leading discussions with 50 residents at the Maison Marcotte, Lewiston. Also, the members of FAWI met with Lewiston-area women to begin networking a new branch of the Franco-American Women's Initiative.

Ann Schonberger, director of the Women in the Curriculum Program and Women's Studies Program, and professor of mathematics, attended "The Next 25 Years: A Participatory Conference on Women's Studies Program Administration," Feb. 13-15, Arizona State University, Tempe. She was one of two presenters on a panel: "Some Successful Program Models, Large and Small."

Sydney Thomas assistant professor of counselor education, has been appointed by the chancellor to the State Board of Counseling Professionals Licensure. The 13-member regulatory board is responsible for the licensing and disciplining of professional counselors in Maine. The board is required to have one member of the University of Maine System faculty involved in the training of professionals. The board also includes representatives of the counseling professions and two public members, all appointed by the governor. The board sets standards for qualification, education, training and experiences, and establishes professional ethics for counselors.

Ted Mitchell Recognized with Jefferson Award

A Bangor television station presented one of its Jefferson Awards for public service to a member of the University of Maine community who has dedicated his career to helping minority students.

WLBZ (channel 2) in Bangor recognized Theodore "Ted" Mitchell, along with four other Jefferson Award recipients, during a reception March 3 in Bangor.

Since 1978, the station has been the area media sponsor for awards in the category for outstanding public service benefiting local communities.

The station noted that Mitchell began his public service as a counselor who assisted students from the reservation system in adjusting to public schools. At UMaine, he helped establish associations for Native American students, as well as African Americans.

Mitchell was the driving force behind establishment of the Wabanaki Center for Native American Programs at UMaine. He is a Penobscot who, for years, has visited area schools and met with groups of students to encourage them to consider higher education.

Max Egenhofer, associate director of the National Center for Geographic Information and Analysis, associate professor in spatial information science and engineering, and cooperating associate professor in computer science, gave an invited talk: "Spatial Relations: Models, Inferences, and Future Applications," at the Advanced Database Systems Conference in Shinjuku, Japan, Dec. 1-3. He also visited Kokusai Kogyo, the largest mapping/GIS company in Japan, where he gave a talk: "Research Issues in Spatial Database Systems," and held a seminar on: "Naive Geography - The Foundation for Next-generation GISs," at the University of Tokyo in the Department of Urban Engineering.

Joyce Henckler, division director for enrollment management, served on two panels at the recent New England Regional Meeting of the College Board in Boston. Henckler spoke on: "A New Way to Weather Enrollment Management Storms: Under One Umbrella," and "Leadership in Enrollment Management Professions."

At the Eighty-fifth Annual College Art Association Conference in New York City, Feb. 12-15, **Michael Grillo** read his paper: "Visual Rhetoric in the Trecento," in the session: Seeing Is Believing, sponsored by the Italian Art Society.

Malcolm Hunter Jr., Libra Professor of Conservation Biology, presented a talk: "Lessons from Paleoecology for Conservation Biology," at Université Laval, Quebec, Feb. 14. Also, Hunter presented the Dence Memorial Lecture: "The Biological Dynamics of Landscapes," at the College of Environmental Sciences and Forestry, State University of New York, Syracuse, Feb. 27.

Mitschka Hartley, graduate student in wildlife ecology, was awarded a New England Outdoor Writers Association 1996 scholarship dedicated to encouraging excellence and professionalism in communicating outdoor sports and natural resources. He was also awarded the 1997 Arthur Sullivan Scholarship at its annual meeting, Worcester, Mass., Feb. 9.

Susan Brawley, professor, school of marine sciences, plant biology & pathology, served on the biology panel to select recipients of NSF Graduate Fellowships, Feb. 2-5, Washington, D.C.

Christopher White, lecturer in music and director of sports bands, and **Dennis Cox**, professor of music, serviced as guest conductors for the District Music Festival Jan. 11 at Woodland High School. Cox also was guest choral conductor for the District III Music Festival Jan. 31-Feb. 1, Lincoln Academy, Newcastle.

Alex Grab, associate professor, Department of History, delivered two lectures: "Le finanze nell'Italia napoleonica," a conference that commemorated the bicentennial anniversary of the Napoleonic invasion into Italy, Milan, Italy, Oct. 2; and "Public Finances in the Republic-Kingdom of Italy (1802-1814)," a meeting of the Consortium of Revolutionary Europe, Baton Rouge, Feb. 21. In addition, Grab was nominated to chair the Marraro Prize Committee. The Marraro Prize, sponsored by the American Historical Association, is given annually to the best book on Italian history.

Phi Kappa Phi *continued from page 1*

"It doesn't surprise me that this important organization started at the University of Maine," says Gibson, interim dean of the College of Business Administration. "If we look back through our history we find many extraordinarily successful UMaine alumni such as Colby Chandler, retired president of Eastman Kodak; Robert Scribner, current president of Pendaflex Corp.; Bernard Lown, Nobel Prize winner; and Steven and Tabitha King. Marcus Urann, the student who created Phi Kappa Phi, later went on to found and lead Ocean Spray. His accomplishments, and those of all of our outstanding alumni, are cause for celebration."

Urann, a Massachusetts native who became a national figure in the cranberry industry, first spoke of the new honor society as a means of showing the interdependence of “two philosophies of life” – research and theoretical work. It was envisioned as a “democracy in scholarship,” recognizing academic achievement in all branches of learning.

Looking back on his achievement in an article he wrote in 1924, Urann said that his purpose in founding Phi Kappa Phi was to make the ability of the high-ranking students of the University “most useful to society.” In addition, he noted that he was “looking for something which would be an inspiration to all students to work for high rank,” and well as a means of uniting peers.

“The state of Maine has given and should continue to give able men and women to the nation,” Urann wrote. But the University must do more for young men and women to enable them to step into positions of “responsibility and usefulness.” Neither the state nor the student body respects rank and scholarship as it should, he said. “The baseball man, the football hero, the loud talking man, the rich man and even the peculiar man are given attention and respect for something, while the man who concentrates on books too often is looked upon as having single ideas, and as being impracticable and unable to apply his knowledge.”

Instead, wrote Urann, “the bookworm should respect himself and win the respect and confidence of other students and of the taxpayers of the state.” In addition, he noted, “the state should look to the university for more than muscle farmers, and (should) appreciate the fact that the farmer, to successfully farm, needs education of the first order and, also, that many a farm boy is worth more on some other job or can contribute more to the farm from the laboratory with a test tube than on the land with a plow.”

Initially known as a local honor society, Lambda Sigma Eta, membership was limited to the top 10 students with grade averages of 90 or higher. In addition, three faculty members were elected annually. In 1989, the name was changed to the Morrill Society in honor of Vermont Sen. Justin Morrill, author of the Morrill Act of 1862 creating land-grant colleges and universities.

Following the graduation of Urann and his two classmates – Charles Farnham and Howard Stevens – who aided in the chapter's formation, President Harris assumed responsibility for promoting the honor society. Harris advocated the establishment of a national organization to colleagues, and his proposal was supported by the presidents of Pennsylvania State College (later University) and the University of Tennessee, where chapters were subsequently established.

In many ways, the philosophy behind Phi Kappa Phi at the turn of the century was in recognition of what was then an ever-growing, complex world, and was a foreshadowing of the increasingly interdisciplinary nature of learning. One archival account notes that the three presidents had the vision to foresee that there was a common bond between “all seekers after truth in every phase of our complex modern society,” and no single branch of learning could claim special distinction as scientific or cultural. These leaders in education “foresaw that in the 20th century, all forms of knowledge would become increasingly independent, that

every activity would require the cooperation and coordination of many diverse arts and sciences.”

A preliminary organization plan was drawn up by the three presidents. The first constitution and "ritual for initiation" for the new national honor society was written by Harris and Professor James Stevens, the later dean of the College of Arts and Sciences. Professor John Huddilston of the Department of Greek was asked to select three Greek words that would represent the purpose of the organization. *Philosophia Kratai Photon*, which loosely translated means "the love of learning rules the world," was chosen for "the euphoniousness of the Greek syllables."

Harris designed the society badge that “intended to show the democracy of learning by the symbolism of an eight-rayed sun representing the various branches into which general education may be divided.” The official *Ode to Phi Kappa Phi* was written by Professor of Mechanics Charles Weston, and Professor of Music Adelbert Sprague wrote the music.

The first national convention, held in New Haven, Conn., in 1900, was attended by such dignitaries as Merritt Fernald, the University's first president. At the convention, Harris was elected president general of the Society. The Society's second and third presidents, George Fellows and Stevens, also were from the University of Maine. Stevens held the Society's highest office until 1923, then served as historian general until 1935.

True to its founding philosophy, Phi Kappa Phi at the University of Maine remained “an active force in promoting scholarship in all fields of human knowledge.” Activities through the years included sponsorship of a program honoring high-ranking students in the freshman class and in the secondary schools. Undergraduates in the top eighth of their class with a 3.1 GPA or better within three semesters of commencement were eligible for induction. Graduate students “of exceptional merit” also were eligible after a year of study that resulted in a GPA of at least 3.5. Faculty “of distinction in their fields” were recommended for membership.

Throughout its first century, Phi Kappa Phi, in its recognition of academic excellence, has continued to promote the primary mission of the University of Maine and other higher education institutions nationwide, says Gibson. "This centennial of Phi Kappa Phi is a celebration and recognition of academic excellence. The hope is that, as we move into the next 100 years and the 21st century, all of us on campus can rekindle a sense of optimism about who we are – and where we're going." ▲

VITA PROGRAM

Accounting students from the College of Business Administration will provide free income tax assistance on Thursdays, 3:30–5:30 p.m., in 217 Corbett Business Building, March 20–April 10.

People seeking help with their taxes should bring documentation with them including W-2 forms, 1099 forms (for interest and dividends), and other records for income and deduction items. For further information contact Professor Steve Colburn, 581-1982. This is part of the VITA Program sponsored by the IRS.

Oral Exams

"Sorption of Gasoline and Gasoline Compounds to a Heterogeneous Maine Soil," by Judson McIntosh, candidate for master's degree in civil engineering, 10 a.m., March 21, 425 Aubert Hall.

"Molecular Evolutionary Genetics of Cyprinodontiform Fishes," by Alex Parker, candidate for Ph.D in zoology, noon, April 14, 102 Murray Hall.

Working Women *continued from page 8*

"Unlike men's labor history that rarely mentions males' roles as fathers, we can't talk about women's labor without considering their role in the home," says Toner. "Likewise there were many other factors in their life cycle that shaped their choices, including the children who were born and the men who died."

Toner, who has a master's degree in political science from Georgetown and a master's in social studies education from UMaine, started researching labor history while pursuing a Ph.D. She completed her dissertation in 1989 on 19th century workers only to realize that she had done little research on women as workers and wives.

"I had a huge gap in my understanding of labor history," says Toner. "I decided to educate myself and started reading. I found the history of women workers interesting because it focused more on the workers and work culture than on labor unions, most of which discouraged women from joining."

Work culture refers to the nature of the workplace. It includes multiple facets, including the expectations of management, the nature of the job and employee relations. "It is not just noting pay or whether workers went on strike but trying to understand the nature of the job. Why are some jobs considered women's work, while others are considered men's work?"

Work in textile mills became women's work in the early 1800s. With no ready laborforce available to staff the huge mills, managers turned first to young rural women in New England whose jobs on the farms were changing. Later, the industrial workforce included more immigrant women. The textile industry was one of the first workplaces to be mechanized. As a result, women were the first to experience the process of being controlled by the clock, by managers and a company, says Toner.

Women are poorly paid for their work; still they have the same rent to pay as men, and about the same for board, more washing to pay for, and it costs them more for clothes. I think women have a poor chance in the world.

Dressmaker, 1888

In the 1870s, this industry attracted many French Canadians who migrated to Maine. It was not unusual to see entire families working in the factories, resulting in passage of some of the first child labor laws. By this time, thousands of Maine women were wage-earners. The women constituted a largely unskilled laborforce with little union power until the short-lived Knights of Labor in the 1880s.

It was at this time that the Knights of Labor, a national labor organization Toner characterizes as being ahead of its time in its emphasis on unionizing all workers, had grown in influence. The Knights urged state government to take note of its workforce and plan accordingly. In response, Maine's Bureau of Industrial and Labor Statistics emerged in 1887 and began the task of enumerating and gathering statistics on the state's workforce, a process that continued well into the 20th century. The findings of the Bureau were used to influence labor laws considered by the legislature.

"Occasionally the Bureau asked women to write about their jobs," says Toner. "The results are narratives of working women that give voice to the so-called inarticulate."

The narratives written by working women in Maine that were published by the Bureau between 1887-1900 provide a window on the workplace, including working and living conditions, ethnic conflict among workers, health and safety issues, and more. A number of the narratives reveal some uncertainty and skepticism as to why the women would be sought out for such information. The fear of losing one's job was ever-present.

"We also have to wonder how many women refused to write or did not know English well enough to respond to the questionnaires," says Toner. "Are some of the women working in the worst conditions not represented here? We're not sure if the narratives were edited or censored. The source raises as many questions as it answers."

Perhaps one of the most intriguing women whose voice is heard in the Bureau publications is Special Agent Flora Haines, a Bangor woman who inspected several hundred Maine factories and wrote an insightful report on her findings in 1888. Haines was hired by the Bureau to report on conditions, including the incidence of child labor. Within her report are suggestions for change – and a shift in her sympathies to the plight of women in industry.

"Representing the bureaucracy, Flora starts her report to the Bureau director in a very formal way. But by the end of her report, it's clear that her heart goes out to the working women of Maine. I expected to see a tension between the workers' self-articulated experiences and Haines' middle-class efforts to shape and reform workers' lives. Instead, I was very impressed by her heartfelt reporting of the conditions in the factories."

It is from these pages of history that Toner developed *Hard Work to Make Ends Meet*. In recent years when teaching or giving a presentation on women's labor history, Toner often distributed copies of the narratives to students or to audience members who would then give voice to the thoughts the turn-of-the-century working women. The experience made the history lesson more real, says Toner.

"People are really touched to hear the words of these women from the past come alive," says Toner. "I have seen people brought to tears. These are the voices of women struggling, but also women we see coming together."

Last year Toner teamed with longtime colleague and friend Lauren Bruce, who has an interest in combining theater with social activism. Bruce adapted the narratives to a stage presentation. The result is a performance featuring a cast of seven in period dress giving voice to factory women, a young child laborer, and Flora Haines. And a history lesson in how working-class women lived – and worked.

"Women's history has grown remarkably in the last 20 years, but there has been little written about Maine's working-class women," says Toner. "We look at them because they are part of our history and heritage – and because they have lessons to teach us." ▲

UMAINE EARTH WEEK

In keeping with the theme, Thinking Globally — Acting Locally, the UMaine Earth Week Committee is bringing the Environmental Issues World Game to the Memorial Gym on Earth Day, Tuesday, April 22. A total of 200 people are needed to take part in this role-playing exercise which is played on a world map nearly the size of a basketball court.

During the game, players adopt the roles of global institutions and population groups. They attempt to meet economic needs while protecting environmental quality and developing an environmentally sustainable world community. Two facilitators from the World Games Institute in Philadelphia will direct the event.

Support for the event has been provided by the Comprehensive Fee Committee, Student Government, Cultural Affairs/Distinguished Lecture Committee, Office of International Programs, Association of Graduate Students and Campus Living.

Students can sign up by calling Nick Houtman at the Department of Public Affairs, x3777, or stopping by the Maine Greens table in the Memorial Union.

Women's Resource Center *continued from page 2*

Last summer networking meetings for University women were initiated by the Women's Resource Center. Now every Friday at noon, the Center facilitates the group, Networking Women at UMaine, open to all women employees on campus. Similarly, regular meetings have been organized for women academic department chairs, providing a forum to discuss common concerns, strategies and opportunities for administrative peer mentoring.

The Student Women's Association, formerly the Women's Center, is advised by Barker and is a Student Government-recognized organization on campus. Unlike past years characterized by a handful of core members, 35 young women are now actively involved in the Association.

A new group facilitated by the Women's Resource Center is United Sisters – area high school girls who meet weekly to discuss issues of particular interest to them, including the need for gender equity in the classroom. In addition to raising consciousness about the concerns of girls today, the teenagers also support each other as feminists who often face isolation in their schools.

Members of United Sisters are mentored by UMaine student Charley Martin, a work study student with the Center.

"Part of my design for the Resource Center is to offer work study and internships to create a place where young women can develop leadership skills and good ideas," says Barker. "We also can discover leadership in the girls in middle school and high school, and they, in turn, are our advisors in the Center's initiatives for this age group."

"If we listen to and support these girls and young women in institutional ways, they will provide amazing vision and aspirations. Such a group fills a void in the lives of these girls and gives them a place to stand. The next key for me is in determining the role the Center in helping college students do this."

Barker and members of the Women's Resource Center Advisory Committee, a group of 15, are now exploring other initiatives for young women, including mentoring opportunities between students and faculty working on projects of mutual interest. It will be another step in advocating gender equity in the educational setting – making sure women have equitable experiences with men, says Barker.

FOGLER'S CANADIANA COLLECTION CONTINUES TO GROW

The University of Maine's Fogler Library contains one of the nation's finest collections of Canadiana, with particular strength in materials on the Atlantic Provinces and a growing collection on Quebec. It also is one of only three U.S. Libraries to own the entire collection of *Early Canadiana*, a microfiche collection of materials published in Canada or about Canada before 1901.

Early Canadiana has three components: "Pre-1900 Monographs," "Pre-1900 Serials," and a two-part supplement to the original "Pre-1900 Monographs" collection. The supplement was given to Fogler Library by the Canadian Consulate in recognition of the library's commitment to acquiring the *Early Canadiana* collections and making them available through interlibrary loan.

Earlier this semester a representative from the Canadian Consulate in Boston was on campus to present a check of \$2,500 to Fogler Library for its participation in the annual reimbursement program of Canada's Department of Foreign Affairs and International Trade. Through this program libraries in the U.S. that purchase materials from Canada about Canada may be reimbursed for half the cost of those materials up to \$2,500. Fogler Library has been involved in the reimbursement program for more than 15 years.

"The Women's Resource Center is a place for all women on campus," says Barker. "Classified women, in particular, are encouraged to continue to participate in programs, to bring their ideas forward and to be an integral part of all aspects of the Center." ▲

Wood Composites Research *continued from page 2*

Local organizations worked hard to bring the project to UMaine, Dagher emphasizes. They include the Action Committee of 50 and Eastern Maine Development Corporation in Bangor. The Maine Rural Development Council is also spearheading a related initiative to develop a composite timber manufacturing plant in the state. Those groups have worked closely with Jake Ward in the UMaine Department of Industrial Cooperation and Heather Jacobson, who manages UMaine's participation in the federal EPSCoR program.

"Our focus is the development of new wood products using fibrous composites in any shape," says Dagher. "That's our niche. There are other universities in the country doing similar work, including Oregon State and the University of West Virginia, but this infusion of capital into research will make the University of Maine the leading organization in the world in this field."

"The reason we're different is that we are taking two classes of materials, wood and fiber-reinforced polymers, and marrying them under one roof to create a new generation of construction materials. Other researchers have looked at each material separately but this is the first time there is a concerted effort to combine them."

Dagher intends for the center to become a catalyst for innovation. "We have lots of ideas for new applications right now, and with all the fresh minds coming into this area, we'll be expanding our work into areas we haven't yet thought of," he says.

In addition to Dagher, faculty members who are directly involved in the research include Steve Shaler and Barry Goodell in the Department of Forest Management, and Eric Landis in Civil and Environmental Engineering. Their work will be bolstered by two new faculty research positions that will focus on the structural mechanics of composites, and the chemistry of resins and adhesives.

These new faculty members may also teach courses in composite materials engineering. Formal academic programs in this area are offered at other universities, but the new courses would be a first for Maine.

Some of the work supported by the grants will be subcontracted to other research centers, including the Forest Products Lab in Madison, Wis., and the Composite Materials Technology Center at Winona State University in Minnesota.

Composite materials were developed initially by the aerospace industry and, in the last decade, have become a staple for boat builders. They can also perform well in corrosive environments such as manufacturing plants, and marine docks and piers.

Stress tests conducted in Boardman Hall's basement laboratory have shown that the addition of 2 percent fiber reinforced plastics can increase the bending strength of a wood beam by more than 50 percent. The new facility will allow UMaine researchers to study the performance of other composite products such as plywood-like panels and wall studs.

"These products can help the environment because we will be using less wood to achieve the strength and stiffness required by building codes. For example, the amount of wood fiber needed in a beam can be reduced by up to 25 percent without compromising the bending strength of the beam. These hybrid materials therefore allow us to more carefully, more efficiently and more responsibly use our wood resource in the 21st century." ▲

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.

To appear in the Maine Perspective, advertisements must be submitted to the Office of Equal Opportunity, 318 Alumni Hall, no later than noon on Wednesday. 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.

Resident Life Coordinator, Campus Living. Fiscal-year position. **Qualifications:** Master's degree in related field and several years full-time experience, including some residence hall. Experience in working with students from a diverse background is helpful. **Salary Range:** \$23,000-\$26,000, general university benefits, furnished apartment, meals when resident meal plan is offered. **Review of Applications:** Will begin immediately. **Start Date:** 7/1/97. **Contact:** Send letter of application, current resume, and three letters of reference to: Residence Life Coordinator Search Committee, 5734 Hilltop Commons, Orono, ME 04469-5734.

Assistant Professor of Accounting, College of Business Administration. Full-time, tenure-track position. **Qualifications:** Doctoral degree in business administration or offer substantial evidence that the degree will be completed by the time of appointment. Teaching experience is also desirable. Must demonstrate an aptitude for successful teaching, research, and public service. **Start Date:** 9/1/97 or 1/1/98. **Review of Applications:** Will begin immediately and continue until the position is filled. **Contact:** Professor Steve Colburn, Search Committee for Assistant Professor in Accounting, College of Business Administration, University of Maine, 5723 Donald P. Corbett Business Building, Orono, ME 04469-5723.

Instructor/Assistant Professor. Parks, Recreation & Tourism Program, Department of Forest Management. Half-time, non-tenure-track position beginning 9/1/97 for the 1997-98 academic year with the possibility of being extended for one or two additional semesters. **Qualifications:** Earned doctorate in natural resource-based recreation or a similar area. Preference will be given to individuals with experience in teaching environmental interpretation. **Review of Applications:** Will begin 5/15/97 and continue until a suitable individual is found. **Contact:** Please send resume, transcripts of all academic work, and names and addresses of three references to: David Field, Chair, Department of Forest Management, University of Maine, 5755 Nutting Hall, Orono, ME 04469-5755. (Phone: 207/581-2856; Fax: 207/581-2858; E-mail: Field@AppoloUmenfa.Maine.Edu) For more information on the PRT Program and the Department of Forest Management, the web page address is http://www.ume.maine.edu/~nfa/for_mgt/prt.htm

Assistant Professor (specializing in Colonial/Revolutionary America), Department of History. One-year appointment beginning 9/97 with the possibility of renewal of up to three additional years and possible conversion to tenure-track. **Qualifications:** Ph.D. required, five-course load; secondary field in early Spanish or Latin America desired. **Review of Applications:** Will begin 4/20/97. **Contact:** Send introductory letter, vita, and three letters of recommendation to: Professor Jerome Nadelhaft, University of Maine, Department of History, 5774 Stevens Hall, Orono, ME 04469-5774.

Assistant Professor, Department of Sociology. One-year appointment beginning fall 1997 renewable for up to three additional years with possibility of conversion to tenure-track. **Qualifications:** Ph.D. in sociology required by time of appointment with a specialty in race and ethnicity. Should demonstrate: teaching/research expertise in Franco-American (fluency in North American French desired) and/or Native American studies or the ability and interest to develop such expertise; ability to teach applied sociology; and evidence of strong potential for excellence in teaching and research. Ability to teach Social Inequality is also preferred. **Review of applications:** Will begin 5/15/97. **Contact:** Send vitae; samples of published and/or unpublished work; teaching portfolio or other evidence of teaching interests and abilities; and letters of recommendation from three references familiar with the candidate's teaching and research potential to: Steven Barkan, Chair, Search Committee, University of Maine, Department of Sociology, 5728 Fernald Hall, Orono, ME 04469-5728. Applications must be complete to be considered for review.

Director of Peace Studies Program. Part-time position for University of Maine faculty member. **Preferred Qualifications:** Faculty member in a tenure-track position; some administrative experience; interest and/or involvement in the Peace Studies Program; and a commitment to ongoing development of curriculum, research, and public service in peace and social justice areas.

Review of Applications: Will begin 4/7/97. **Start Date:** 9/1/97. **Salary:** Stipend of \$5,000 for the academic year and \$1,000 for the summer, which can be used to support course replacement or as additional salary compensation. **Contact:** For detailed information call Peace Studies, x2609, or stop by the office, 213 Maples. Both applications by interested faculty and nominations by University faculty, staff, and students are encouraged.

Assistant Professor of Music (Theory/Composition and Applied Clarinet), School of Performing Arts. One-year position beginning fall of 1997 renewable for a maximum of three additional years with the possibility of tenure-track. **Qualifications:** Doctorate required. Demonstrated ability as a teacher/performer. **Review of Applications:** Will begin 4/1/97. **Contact:** Do not send audio or video tapes at this time. Send letter of application, vita, and three letters of recommendation to: Dennis Cox, Chairperson, Theory/Composition and Applied Clarinet Search Committee, University of Maine, 5788 Class of 1944 Hall, Orono, ME 04469-5788.

Assistant Professor, Department of Philosophy. One-year position beginning fall of 1997 with possibility of renewal for up to three additional years and possible conversion to tenure-track. Areas of specialization: continental philosophy/existentialism, feminist philosophy, aesthetics, philosophy of literature. **Qualifications:** Ph.D. prior to appointment or shortly thereafter. Evidence of creativity, interest, and skill in teaching at the introductory level is required. **Review of Applications:** Will begin 4/24/97. **Contact:** Send complete dossier to: Michael Howard, Chair, Department of Philosophy, University of Maine, 5776 The Maples, Orono, ME 04469-5776.

Graphic Artist, Hudson Museum. Part-time (20 hours/week) ongoing position. **Qualifications: Required:** Bachelor's degree in art or graphic arts; demonstrated expertise in design, layout and production of graphics, maps, signs, diagrams, brochures and newsletters through use of computer-aided design programs, drafting equipment and standard graphics shop equipment; previous experience with a wide range of materials and techniques pertaining to graphic arts; reproduction and familiarity with Macintosh computer systems. **Preferred:** Background in anthropology/archaeology and experience in exhibit planning and installation, light technical work, design and implementation of World Wide Web pages and photography preferred. **Salary Range:** \$12,000-\$13,400/year. **Review of Applications:** Will begin 3/24/97. **Contact:** Send letter of application, resume and names and telephone numbers of three references to: Stephen Whittington, Director, Hudson Museum, University of Maine 5746 Maine Center for the Arts, Orono, ME 04469-5746.

Dean of Enrollment Management. Professional, full-time, fiscal-year, senior-level appointment. **Qualifications:** Earned doctorate (preferred) or master's degree (required), with substantial managerial-level experience in an enrollment management program in a complex university. Must demonstrate strong team-building and interpersonal skills; excellent communication skills; a ready familiarity with the application of computer and communication technology to marketing, admissions, student aid, and student records; a thorough appreciation of the role of financial aid policy in enrollment management and institutional budgeting; and ability in strategic and operational planning. **Review of Applications:** Will begin 3/31/97 and continue until an appointment is made. **Contact:** Nominations and applications must include a current resume, and the names, addresses and telephone numbers of three persons qualified to speak to the individual's suitability for this position. Applications should also include a letter describing the applicant's enrollment management philosophy and specific qualifications for the position. Send materials to: Douglas Gelinias, Vice Provost for Undergraduate Education, ATTN: Search Committee for Dean of Enrollment Management, University of Maine, 5703 Alumni Hall, Orono, ME 04469-5703. Inquiries are welcome by phone (207/581-1519) or e-mail (gelinias@maine.maine.edu).

continued next page



Assistant Professor in American Politics, Department of Political Science. One-year position beginning fall of 1997 renewable for up to three additional years, and possibly converted to tenure-track. **Qualifications:** Ph.D. at the time of appointment is preferred, although ABD's near completion of the degree will be considered. Seeking candidate who will share the introductory American Government course required of all majors, and who has teaching and research interests in some combination of the following: parties and elections, interest groups, public opinion, gender and politics, the presidency. **Review of Applications:** Will begin 5/1/97. **Contact:** Submit a letter of application, a curriculum vitae, and three letters of recommendation to: Matthew Moen, Chair, American Politics Search Committee, University of Maine, 5754 North Stevens Hall, Orono, ME 04469-5754. Applicants are encouraged to submit copies of teaching evaluations and publications if available. For information on the department, see web site: <http://www.ume.maine.edu/~polisci>

Assistant Professor, Department of Communication and Journalism. One-year appointment beginning 9/1/97 and renewable for up to three years with possibility of conversion to tenure-track. **Qualifications:** Ph.D. and professional media experience required (ABD considered). Evidence of effective teaching and active research. Potential for eventual graduate-faculty status. Ability to integrate new technologies in electronic journalism into courses. **Review of Applications:** Will begin 4/1/97, and continue until position is filled. **Contact:** Send curriculum vitae, cover letter, three letters of reference, evidence of teaching effectiveness and a sample of research to: Paul Grosswiler, Chair, Journalism & Mass Communication Search Committee, Department of Communication and Journalism, 5724 Dunn Hall, Room 420, Orono, ME 04469-5724.

Department of Mathematics and Statistics Positions

Instructors/Lecturers (4). One-year appointments for academic year 1997-98. Pending administrative funding some of these positions may attain ongoing appointment status beginning academic year 1998-99. **Qualifications:** At least a master's degree in mathematics or a closely related area and demonstrated excellence in undergraduate mathematics teaching are required. Experience in curriculum development in mathematics is desirable. **Review of Applications:** Will begin 5/1/97. **Contact:** Submit a letter of application, C.V., a statement of professional interests and goals and the names and addresses of three professional references to: Chair, Instructor Search Committee, Department of Mathematics and Statistics, University of Maine, 5752 Neville Hall, Orono, ME 04469-5752.

Assistant/Associate Professor in Mathematics. Tenure-track position beginning fall 1997. **Qualifications:** Ph.D. in mathematics and demonstrated evidence of excellent teaching ability and outstanding research potential in an area represented by the department. Preference will be given to candidates with research interests in computational mathematics, dynamical systems, geometry, harmonic analysis or number theory, although outstanding candidates in other areas may also be considered. **Review of Applications:** Will begin 4/15/97. **Contact:** Submit letter of application, C.V., transcripts, a statement of professional interests and goals and arrange for three letters of reference to be sent to: Chair, Mathematics Search Committee, Department of Mathematics and Statistics, University of Maine, 5752 Neville Hall, Orono, ME 04469-5752.

Assistant/Associate Professor in Statistics. Tenure-track position beginning fall 1997. **Qualifications:** Ph.D. in statistics and demonstrated evidence of excellent teaching ability and outstanding research potential. **Review of Applications:** Will begin 4/15/97. **Contact:** Submit letter of application, C.V., transcripts, a statement of professional interests and goals and arrange for three letters of reference to be sent to: Chair, Statistics Search Committee, Department of Mathematics and Statistics, University of Maine, 5752 Neville Hall, Orono, ME 04469-5752.

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.

CAMPUS LIVING POSITIONS

Residence Life Graduate Assistant Scholarly Communities

The Graduate Assistant for Scholarly Communities, Residence Life, reports directly to the Associate Director of Campus Living, Residence Life. She/He will assist all Residence Life staff in designing and implementing programs and services for residence hall students that emphasize and enhance the scholarly nature of the residence hall communities. Compensation: Graduate Assistant stipend of \$5,500 for 9 months; 18-hours-per-year tuition waiver; furnished apartment for term of employment; meals while contract service is in operation.

Assistant Resident Director Positions

The Graduate Assistant Resident Director is the primary community developer for a residential hall of 100-250 students and an undergraduate staff of 3-8. The Resident Director works to promote a living/learning environment that enhances the educational experience of its residents and promotes diversity, responsibility and student involvement. Admission to a University of Maine Graduate Program is required. The assistantship provides a \$5,500 academic year stipend, a furnished apartment, meals when meal plan is offered during the academic year, and an 18-credit hour tuition waiver. Interested candidates should request information and application form from: Resident Director Selection Committee, 5734 Hilltop Commons, Orono, ME 04469-5734. Positions open until filled.

CAREER CENTER 1997-98 GRADUATE ASSISTANTSHIPS

The Career Center has an opening for one or two Graduate Assistants for the 1997-98 academic year. Students who filed the Free Application for Federal Student Aid (FAFSA), and who subsequently qualify for funding through the Federal Work Study Program, are strongly urged to apply. Graduate assistants take a lead role in actively promoting and marketing the Center's programs using a variety of media; engage in outreach to students and faculty via personal contacts, persuasive writing, publications, and use of electronic technology; provide direct service to students, including critiquing resumes, conducting mock interviews, developing career plans and job search strategies, and making group presentations; provide coordination for the Internships/Experiential Learning Program; coordinate the "On-the-Road Career Center" project; assist the Center manager with special projects; and receive extensive training in career development.

Qualifications: Strong verbal, written and interpersonal communications skills; strong organizational skills; ability to interact in a professional manner with faculty, students, alumni and employers; proficiency using Macintosh computers required; familiarity with MS Word, Pagemaker, Filemaker Pro, World Wide Web and FirstClass Conferencing System preferred; full-time graduate degree student status, citizen or eligible non-citizen; strong interest in career counseling, student development, higher education, and/or human resources. Salary: \$6,820 for the academic year, working 20 hours per week. Tuition waiver for the academic year (up to 9 credits per semester). To apply: Forward your letter of application, resume, and your social security number to Patty Counihan, Manager, Career Center, Chadbourne Hall. First consideration will be given to those applying by March 21. For more information, call 581-1359.

Fulbright Scholar Awards Competition

Each year grantees come from over 500 colleges and universities, and public and private agencies in all 50 states. Every academic rank—from instructor to professor emeritus—is represented. Untenured faculty and professionals outside academe are encouraged to apply.

Fulbright awards go to:

- ▼ Scholars with international reputations
- ▼ Recent Ph.D.'s who show great potential as researchers
- ▼ Community college faculty who teach at the undergraduate level
- ▼ Excellent teachers with modest publishing records
- ▼ Academic administrators and independent scholars
- ▼ Artists, lawyers, journalists, research scientists, other professionals

To receive a book describing awards available for 1998-99, write or call: USIA Fulbright Senior Scholar Program, Council for International Exchange of Scholars, Washington, D.C., Tel. 202-686-7877, WWW: <http://www.cies.org>

On campus, contact the Office of International Programs, x2905, or the Office of Research and Sponsored Programs, x1476.

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

FURNITURE: Beautiful dark green and stained wood country-style entertainment center, only 2 years old, \$325. Matching coffee table and end table, also 2 years old, \$130. Call 866-0688.

HOUSE: A family home, 4BRs, 2 baths, large living/recreation/family rooms, kitchen with built-ins and all conveniences, finished laundry and office/computer rooms. Fireplace, hardwood floors, attached garage and porch. Baseboard hot water heat. Municipal water and sewer. New paint inside and out. Custom built for current owner with many attractive features. Superb location within easy walking distance of schools, downtown, Stillwater River and Orono Land Trust. No brokers or buying agents please. Price reduced. Call 549-3696.

LABRADOR RETRIEVER: 17 months old, AKC. Very smart, loyal, good with kids. To a good home only. \$250. Call 884-8493.

MISCELLANEOUS: Antique violin with case, bow and sheet music. Sounds beautiful—\$425. Wooden computer desk—\$55. Two small wooden bookcases—\$20 and \$15. Call 866-0688.

WURLITZER ORGAN: Mahogany, excellent condition, includes storage bench and music books. \$650.

FOR RENT

APARTMENT: Old Town, 15 Howard St., second floor, 1BR, heat/water/sewer included. \$350/mo., plus deposit. Call Mike, 827-4076.

APARTMENT: 15 Howard St., Old Town, second floor, 1 BR. Heat, water, sewer included. \$350/mo. plus deposit. Call Heidi, 827-8312.

APARTMENT: Bradley. Large, spacious, well-maintained 1BR apts. Eight miles from campus. Rents start at \$300/mo. plus utilities. Must meet certain income guidelines. Security deposit required. 30-day lease. Call 827-7998 for info.

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

RESORT CONDO: Six-night, seven-day vacation resort condo opportunity available any week between now and mid-June. Part of our time-share network, which means that there are hundreds of resort locations in the U.S. and elsewhere to choose from for the same

price—we just tell them which one we want. 1- and 2-BR resort condos available. All have full kitchens, baths, VCR, etc. plus swimming pool on-site and other amenities. \$595, which covers all related housing costs. Call 884-7143 to discuss or to make arrangements.

SERVICES

ALFOND ARENA: Rent the Alfond Ice Arena. Try broomball, pick up hockey or have a skating party. Cost: broomball equipment—\$25; skate rental—\$1/pair; ice rental—\$150/hour before 11 p.m.; \$100/hour after 11 p.m.

CAREGIVER: For a 2-year-old in our Old Town home. Full time Monday–Friday, 7:30 a.m.–5 p.m. Nonsmoker. References required. Call/leave message, 827-3643 eves.

FINANCIAL AND RETIREMENT PLANNING SERVICES: Jane Brann, VALIC Retirement Plan Specialist, is available for individual or group assistant at the University every Tuesday, or by appointment. Call 800-448-2542, x259.

FORESTRY WORK: Forest management plans for woodlots of all sizes; plans required for Maine Tree Growth Tax Law—keep your forest property taxes low! All work performed by a Maine licensed forester. Quality work guaranteed. Very fair, reasonable rates. Call Mike, 827-7087.

PRIVATE WOODLOT HARVESTING: Small logging contractor seeking woodlots in the greater Bangor area for selective harvesting. All work performed by a true professional with emphasis on aesthetics and best management practices. Many references from UMaine community available on request. Call Gordon, 866-7034.

UPSTAIR DAYCARE: 28 Stillwater Ave., Old Town. Open 6:30 a.m.–5:30 p.m. Nutritious meals and snacks. Near Herbert Gray School. Soon to be registered. Member of Southern Christian Daycare. Semi-structured schedule. For more info, call Sheila or Harry, 827-4964.

WANTED

HOUSE: Faculty member and family (+2 cats, 1 dog, all well-behaved) looking for house (minimum 3BR) to lease on long-term basis beginning June 1. Natural lighting and a yard preferred. References can be supplied. Call 941-6523.

SABBATICAL HOME: Canadian physician moving to Bangor area June/July. Wishes to find home to rent for academic year. Contact Dr. R.G. Anthony, 705-652-5292.

SABBATICAL HOME: Professor on sabbatical leave looking for furnished home in Orono/Bangor/Penobscot Bay area to rent or to care for for about a month this spring. Need a quiet place in which to focus on writing research results. Call 581-2196.

VOLUNTEERS: For Hospice of St. Joseph. Training March 25–April 24. Sessions held Tuesdays and Thursdays, 2:43 p.m., St. Francis Center, 294 Center St., Bangor. Deadline for applications is March 19. Call Hospice of St. Joseph, 262-1810, for information and an application.

International Notes

▼ Anyone traveling overseas should check the State Department's "Travel Advisory Citizen Emergency Center" for travel warning information at 202-647-5225. This number can also be used to contact someone overseas in an emergency.

▼ A number of airlines have web pages that advertise low-cost international airfares. Many are for last-minute travel, but check out:

American Trans Air: <http://www.ata.com> TWA: <http://www.twa.com>
Continental: <http://www.flycontinental.com> USAir: <http://www.usair.com>
Northwest: <http://www.nwa.com> Delta: soon to be available

▼ Visiting scholars and researchers on campus this semester include:

Biochem., Microbio., M. Biology	Julie William, UK
Chemical Engineering	Tina Hallamaa, Finland; Koji Okomori, Japan;
	Yang Xiang, PR China; Haixuan Zou, PR China
Chemistry	Ruth Lynden-Bell, UK
Civil & Environ. Engineering	Lucie Baillon, France
Forest Ecosystem Science	Fuyu Xu, PR China
Maine Bound	Donald Starkell, Canada
Marine Sciences	Jonas Collen, Sweden
Oceanography	Karsten Reise, Germany
Spatial Information Science	Marisa da Motta, Brazil; Yves Dennebouy, France; Michela Bertolotto, Italy
Surface Science and Tech.	Oliver Greenwood, UK

VOICE

Volunteers in Community Efforts

VOICE (Volunteers in Community Efforts) is a program of the Center for Students and Community Life. It promotes volunteerism by acting as a clearinghouse for those interested in making a difference in the local community. For information, call 581-1796.

▼ VOICE will be selling daffodils for the American Cancer Society March 21 in the Union, 9 a.m.–4 p.m. Daffodils are recognized by the American Cancer Society as a symbol of hope and the first flower of spring. The campus event is made possible through the efforts of local Cancer Society volunteer Shayne Cobb of Orono, Ron Reisinger, Muffy Eastman, Jen Major and VOICE students.

▼ Volunteer face painters needed for YMCA fair March 21-23.

▼ Adopt-A-School is an opportunity to volunteer a few hours a week in the classroom and to interact with children in elementary schools and middle schools.

16TH ANNUAL PROFESSIONAL EMPLOYEE ACHIEVEMENT AWARDS

The Professional Employees Advisory Council (PEAC) seeks to raise the awareness of the campus community about the indispensable contributions that represented and non-represented professional employees make to the quality, diversity and overall mission of the University of Maine.

This year two awards will be given to professional employees whose actions and activities above and beyond normal work responsibilities have provided outstanding service to their fields, to UMaine, or to the community as a whole. In recognition of the employees' accomplishments and contributions, a cash stipend of \$1,000 is presented to each awardee. Awards are presented at the annual Outstanding Employee Banquet in the spring.

A professional employee must be nominated by another University employee. To be eligible for an award, the employee must be a current represented or non-represented professional employee with a minimum of three years of continuous service to the University. The employee need not be in the same position over that three-year period. When nominating an individual, describe the actions and activities that deserve consideration for the award; include the positive impact the person has had on the field, the University, or outside community organization. Describe the unique characteristics that set the performance of the individual above normal, expected performance levels. Letters of recommendation must be limited to two typewritten pages.

Nomination forms and additional information are available from Barbara Hikel, chair of the PEAC Awards Committee, x1507, or Judy Round, chair of the Professional Employees Advisory Council, 106 Winslow Hall, x3229. Submit nominations to Barbara Hikel, 114 Alumni Hall/FAX 581-1633.

Deadline for receipt of nominations is March 31.

New Regional Perspective Built on Land-Grant Tradition

New England's citizens hold the value of local control most dear. We steadfastly resist the notion that decisions about our schools, our municipal services, or our taxes should be made by people who don't live in our own communities.

Within any New England state, consensus is hard to come by on almost any issue, as the differences among communities are significant and people don't share a common perspective on very many issues. And, when one looks at the six states comprising New England, the challenges to regional perspective become even greater. For most, the demographic, economic and cultural differences come into focus more readily than do the similarities.

So with these countervailing forces at work, is a regional perspective on problems and issues possible at all? If regional perspectives are achievable, can they then be translated into an action agenda which calls upon states within the region to act together in coordinated fashion? Can the six land-grant universities in New England serve as viable vehicles for identifying and addressing the issues of greatest importance for public education within the region? Is there something unique about the mission of the land-grants that makes them particularly suitable for this kind of work? Ultimately, can the New England land-grants strengthen their influence in the policy arena across the region?

This describes, at least in part, the context within which deans and faculty from the colleges of education of the six New England land-grant universities met earlier this month for the purposes of exploring the possibilities of working more closely together on an agenda of common need and interest – public education, from early childhood through graduate school. The six universities – UMaine, URI, UConn, UVM, UMass and UNH – each sent their deans and several faculty from varied disciplines to the New England Conference Center on the UNH campus to examine the issues and the potential for collaborative action.

Moreover, the deans invited representatives from entities whose primary reason for being is to serve the region; i.e., the New England Association for Schools and Colleges, the Northeast Regional Laboratory at Brown University and the Eisenhower Regional Alliance for Mathematics and Science Education Reform. This group of approximately 50 people spent two days identifying the issues facing public education – from pre-school to graduate school – and determining what might be done about them. The meeting was very ably facilitated by people from UMaine's Margaret Chase Smith Center for Public Policy.

Why the land-grants? It is clear that these six universities have responsibilities to our respective states that other higher education institutions don't. Our land-grant mission involves teaching, research and service to our publics, and it is this tripartite mission that sets this group of institutions apart. We take seriously the obligation to serve the people of our states through our teaching, research and service efforts. We are in the schools regularly, interacting with our K-12 colleagues and their students, studying their issues, helping them to build their own abilities to deal with these issues.

Historically, the land-grant universities focused on solving problems plaguing our agricultural producers. Since our creation

as land-grant universities under the terms of the Morrill Act in the late 1800s, citizens have come to expect us to identify pressing problems of both short- and long-term consequence, to analyze and create approaches for dealing with those problems, and to ensure that the people within our states who need the information, get it. Through the colleges and other units such as the Cooperative Extension and the Experiment Station, issues got addressed within the university setting and the results got communicated to those in the field.

In earlier times, the function of feeding our population safely, efficiently and effectively was of paramount importance, and the universities became important partners in that work. As the economic and social character of the region changed over time, the work of the universities has shifted to reflect these changes. Today, the education of all people is as fundamental to the quality of our lives as feeding them. It is this tradition that bonds these six universities together and supports the notion that we can act together to advance the interests of education across the entire region.

The individuals who convened at the New England Conference Center proved to be a highly talented group who together built a perspective that indeed is regional in scope. With a diverse group, we nevertheless agreed on five key educational issues for the region— social change, equity, accountability, professional development, and technology, as well as underscoring the need for regional policy analysis and data base construction.

Each of these issues got fleshed out in considerable depth and breadth, and a number of research questions and follow-up strategies were identified. The discussion was spirited and the enthusiasm generated will fuel the steps to follow. Most immediate of these steps calls for the deans, after further discussions on our own campuses, to meet again in early April to decide which of the identified issues will be pursued first and through what means.

In summary, the meeting has accomplished some important beginnings. First, the dialogue about education issues across New England and the building of a less parochial, more regional perspective has begun in a systematic way. Second, bringing together faculty from each of the six campuses has resulted in the establishment of new professional relationships among us, and available telecommunications technology is enabling us to sustain those working relationships more easily. Third, the voice of the New England land-grant colleges of education has already been strengthened inasmuch as the NEASC, the Regional Laboratory and the Eisenhower Regional Alliance have stepped forward to assist our efforts with pledges of funding and other services. They believe in what we're doing. And fourth, it has raised the expectation that, indeed, something important can and will happen regionally as a result of these six strong institutions joining forces. I look forward to the next steps.

Robert Cobb is dean of the UMaine College of Education and senior education dean of the New England Land-Grant Universities.

WITHDRAWING FROM THE UNIVERSITY

Deadline for withdrawing from the University at the end of the second third of the semester is Monday, March 31, 4:30 p.m. Students who are considering withdrawal from the University should report to their dean's office. However, before making a final decision, students are urged to explore all possible options that might help them to complete the semester.

Withdrawals from the University during the second third of a semester will result in having courses listed for the current semester as 'W.'

Sponsored Programs

Robert Wood Johnson Foundation's Investigator Awards in Health Policy Research support investigators in economics, journalism, management sciences, nursing, philosophy, political science, social work, sociology, and other disciplines. The program seeks innovative, unconventional research that promises to contribute meaningfully to health

and healthcare policy. Letters of intent are due April 14.

U.S. Department of Energy invites proposals for research or educational activities that address the ethical, legal, and social implications of the use of information and knowledge resulting from the Human Genome Project. Preapplications are due April 17; full applications, July 10.

National Aeronautics and Space Administration requests proposals for The Effects of Tropical Forest Conversion: Ecological Research in the Large-Scale Biosphere Atmosphere Experiment in Amazonia. Synthesis of past research results and data sets, modeling, remote sensing, GIS-based analyses, new field observations and process studies, case studies, training and education, and synthesis and integration of new results are desired. Letters of intent due April 30; proposals, June 11.

Council for International Exchange of Scholars invites applications for 1988-89 Fulbright Scholar Awards, supporting 2-12 months of research and/or lecturing activities abroad.

Faculty and independent scholars in all disciplines, as well as nonacademic professionals in law, journalism, the arts, and other fields, are eligible. Deadlines: Distinguished Fulbright Chairs in Western Europe and Canada, May 1; all others, August 1.

National Research Council supports collaborative research programs linking U.S. scientists with their counterparts in Estonia, Latvia, and Lithuania. Proposals are accepted in all fields eligible for NSF support. Grants enable research visits in both directions and modestly subsidize other expenses. Applications for the September 1997-December 1999 period are due May 16.

ArtsLink supports five-week residencies in the U.S. for artists and art managers from Central and Eastern Europe. Information about 1997 ArtsLink Fellows, who represent both contemporary and traditional performing, design, literary, and visual arts, is available from ArtsLink, which invites proposals from U.S. organizations for grants to host a residency. Deadline: June 9.

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

Cultural Affairs Committee Deadline for Proposals

The deadline to submit proposals to the Cultural Affairs/Distinguished Lectures Series Committee is the last Friday in March. Proposal guidelines and applications are available in the President's Office, x1516.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC) TRAINING/ORIENTATION PROGRAM

The spring offering of the IACUC biannual training/orientation program will be held Wednesday, April 30, (Maine Day), 8:15-10 a.m., 427 Corbett Hall (across from the Gym). People who have attended previous training sessions do not have to attend.

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

Contact Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498, for registration information.

Faculty and staff are invited to make nominations for the UNIVERSITY OF MAINE OUTSTANDING ACHIEVEMENT AWARD

The University of Maine Outstanding Achievement Award for non-academic endeavors is presented to up to 12 students, either undergraduate or graduate, who have demonstrated outstanding leadership in the area of community service, campus citizenship, athletic achievement, and arts and communication media, and in so doing have enriched the University community by their efforts. These awards will be presented to students who received degrees in December 1996, or who anticipate receiving degrees in May 1997, August 1997, or December 1997.

1. Community Service - public service on- or off-campus.
2. Campus Citizenship - student government, organizational leadership, creative activism.
3. Athletic Achievement.
4. Arts and Communication Media - graphic arts, language arts, music, theatre arts, and/or media (print and/or electronic).

Deadline: NOON, FRIDAY, APRIL 11. Application forms can be picked up and returned together with a letter of nomination or endorsement to the Center for Students and Community Life, Attn. Dwight Rideout, Dean of Students, Third Floor, Union, x1406.

GENERAL EDUCATION WORKSHOP FOR ADVISORS Thursday, March 27, 3 p.m., 100 Neville Hall

Topics include GenEd - Theory and Practice; GenEdScape Navigator - Surfing for Appropriate Courses; Checklist of GenEd Requirements - Scoresheet for Students and Advisors; Hidden Gems - Little-known GenEd Courses; Hidden Pitfalls.

Presenters: Doug Gellinas, Anne Pooler and Chuck Russ
RSVP x1519

What's Ahead



**PLANT COLLECTING
AROUND THE WORLD**
March 20

**STARTING HERITAGE
VARIETIES IN YOUR GARDEN**
March 25

BROWN ASH BASKETMAKING
March 26

**HEALTHY PASSIONS:
CELEBRATING LIFE, LOVE AND
FRIENDSHIP WEEK**
March 31-April 4

Maine Perspective



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