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## Maine Perspective, v 7, i 4

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# Maine Perspective

A PUBLICATION  
FOR THE  
UNIVERSITY OF  
MAINE

VOL. 7, NO. 4  
SEPTEMBER 25, 1995



University of Maine physics graduate student Yan Yu conducts research on ceramic thin films under the direction of Associate Professor of Physics Robert Lad in the Thin Film Deposition Facility of the Laboratory for Surface Science & Technology in the Sawyer Environmental Research Center.

Photo by Diane Vatrie

## Corporate Affiliate Program Building Bridges

Expanding the multi-faceted relationships between the University of Maine and the state's corporate community is the goal of the UMaine Corporate Affiliate Program, which is designed to be a conduit for the exchange of information and expertise between academia and industry.

"The Corporate Affiliate Program attempts to link the resources of the University of Maine in all its variety and depth to the corporate sector," according to Brenda Cook, director of Corporate Relations for the University of Maine. "While segments of the University have many long-

standing relationships with industry, there haven't been bridges in place between other areas of campus and certain parts of the corporate community that want to tap the University as a resource base. By supplementing – not changing – existing relationships of faculty and research units with industry, the University via the Corporate Affiliate

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## Telecommunication Innovations Always on the UMaine Horizon

Telecommunications capabilities at the University of Maine have made major strides in the past four years since the installation of a Supernet 2000 fiberoptic system that revolutionized voice and data communication across campus. Today, while connectivity campuswide is ongoing, the future appears to be in the convergence of those communications capabilities and other advanced technologies on the desktop.

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### COMMUNITY FORUMS

President Frederick E. Hutchinson this week will hold four open forums for members of the University community.

The purpose of the forums is for Hutchinson to share information about UMaine's current financial status and projections for the remainder of the decade. There will also be opportunities for those in attendance to ask questions.

The open forums will be in Wells Conference Center. Times have been set to accommodate a variety of work and class schedules:

Wednesday, Sept. 27 – 7-8:30 p.m.

Thursday, Sept. 28 – 6:30-7:45 a.m.;  
8-9:30 a.m.; 3-4:30 p.m.

Supervisors are asked to provide release time to employees who are interested in attending one of the forums during work hours.

### In Perspective

**2 Classical Pianist Lorin Hollander**

**7 School of Performing Arts**

**8 In Focus: Industrial Cooperation**

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

## Hollander to Set the Tone for Arts and Humanities Month

It might not seem unusual for a musician to concern himself with the nature of creativity. But Lorin Hollander is no typical musician, his pursuit no typical creative venture. And a brief discussion of his exploration, he cautions, "can't do justice to the complexity of the issues."

His quest is to seek out and to explore "the common creative spirit in all of human endeavor" — those areas of intuition, vision, ethics and morality shared by such divergent disciplines as art, humanities and science.

"The true scientist is an artist and the true artist is a scientist," says Hollander, articulating the theme for the second annual campus observance of National Arts and Humanities Month, October, in which he will participate. "If we somehow combine art and science we can discover what might be."

Hollander travels worldwide with his classical repertoire, maintains a residence in New York City, but calls Stockton Springs home. And this year, two years after he last performed at the Maine Center for the Arts, he and the University embark on a relationship still undefined. But it is one that will explore the creative process, beginning with two events: a master class he will give at the Maine Center for the Arts on Sunday, Oct. 1; and a keynote lecture and piano performance as part of the official campus Arts and Humanities Month kickoff on Monday, Oct. 2.

For a child prodigy who by age 14 months had memorized several classical musical works, and for an honorary doctorate

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## Water Research Institute Providing Analyses, Outreach

The Water Research Institute has been established to provide scientific collaboration with, and research support for, faculty and staff of the University of Maine system, and government agencies. In addition, the Institute will provide information and guidance on environmental issues as a public service to individuals, groups and organizations.

"A major goal of the WRI is to foster increased cooperation and communication between the academic community, state agencies, environmental organization and private companies," according to Institute Director Steve Kahl.

The Institute was formed this summer by the merger of the Environmental Chemistry Laboratory and the Water Resources Program. Both units are located in the Sawyer Environmental Research Building. The new WRI will report to the vice president for Research and Public Service.

The USGS-funded Water Resources Program has a public service and information mission and also includes the in-state grants program for issues related to water resources. The Environmental Chemistry Laboratory is the analytical and in-house research unit, providing research support for university staff and government agencies. The ECL also provides contract analytical services in support of the public service mission of the Water Resources Program.

In 1995, funding and contracts supported a 13-member laboratory, field and computer staff. The work also involved undergraduate and graduate students who are involved in a variety of tasks ranging from routine operations of an analytical lab to methods development and operation of state-of-the-art instrumentation. A number of theses and published papers have resulted from WRI projects. ▲



Bruce Barber, associate professor of animal, veterinary and aquatic sciences, recently hosted a team of experts who evaluated UMaine's program in aquaculture. During the week of Sept. 11, the team toured University and commercial facilities and met with faculty on campus and at the Darling Center. Visits were made to aquaculture sites on the Damariscotta River and near Eastport. From left to right are Barber, John Ryther of Woods Hole Oceanographic Institution, Ken Cooper of DBI Consulting, Inc. and Eric Hallerman of Virginia Polytechnic Institute.

*Photo by Diane Vatne*

## 'The Glass Ceiling' Revisited

Institutional barriers to career advancement for University of Maine clerical employees will be the focus of a campus forum Tuesday, Oct. 10, offered by the Women's Resource Center in collaboration with the Support Staff Committee.

The upcoming forum, scheduled from 3-5 p.m., in 107 Corbett Business Building, is a follow-up to the March 15 session: "The Glass Ceiling in the Outer Office." Feedback to the spring meeting, designed for administrative assistants to discuss promotional barriers in their careers, included comments that many members of the UMaine support staff community had more testimony to give and issues to openly address.

The result is the Oct. 10 forum concerning institutional barriers in which anyone wishing to share their views and concerns are invited to take to the podium. The goal will be to determine the best means for problem solving, according to Sharon Barker, director of the Women's Resource Center.

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## Maine Perspective

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*University of*  
**Maine**

# U Maine Calendar

SEPT. 27 – OCT. 5

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 AT LEAST TWO WEEKS in advance. Deadline for each issue: 9 a.m. Friday. For more information, call x3745.

## 27 Wednesday

**HIV/AIDS Forum**, 12:15-1:30 p.m., Sept. 27, Bangor Lounges, Union. x4194.

**Information Meeting of the Women's Resource Center Advisory Board**, 3 p.m., Sept. 27, Fernald Hall. x1508.

**"Neither Melanie nor Scarlett: The Petigru Women of the Carolinas,"** a history symposium by William and Jane Pease, 3:15 p.m., Sept. 27, Honors Center. x1908.

**"Time Management,"** a Study Skills Program offered by the Center for Student Services, 3:15 p.m., Sept. 27, FFA Room, Union. x1734.

**Faculty Senate Meeting**, 3:15 p.m., Sept. 27, Lown Rooms, Union.

**Movie: Earth Girls Are Easy**, offered by the Union Board, 7:30 p.m., Sept. 27, 101 Neville Hall. x1734.

## 28 Thursday

**"Composting from A-Z,"** an ITV Cooperative Extension program by Marjorie Hundhammer, part of the Extension Connection series, 11 a.m.-1 p.m., Sept. 28, 207 Shibles Hall and 10 other viewing sites in the state. 800-287-7170.

### FALL WELCOME TO NEW PROFESSIONAL EMPLOYEES

Sept. 28, noon-1 p.m.

Bodwell Area,

Maine Center for the Arts

Open to all professional employees. Join us for an informal get-together. Bring your lunch. Dessert and beverages will be provided by the Professional Employees Advisory Council Board (PEAC). President Hutchinson will give a brief greeting to old and to new professional employees at 12:15 p.m.

We look forward to seeing you.

**"SYSTAT for Windows,"** a CAPS seminar by Wayne Persons, 3:30-5:30 p.m., Sept. 28, 115 Corbett Business Building. x3517.

**A Conversation with Rick Hautala about the Art and Business of Writing**, featuring Rick Hautala, UMaine Class of '70 and author of *Shades of Night*, *Twilight Time*, and *Cold Whisper*, offered by the English Department, 4-5 p.m., Sept. 28, 402 Neville Hall. x3822.

**LEARNS: Early Childhood Playing and Working Together 1: "Creating Early Childhood Settings as Inclusive Communities,"** by Linda Labas, offered by the Center for Community Inclusion, 6-8:30 p.m., Sept. 28. Preregistration required/fee. x1084.

**Rick Hautala Reading from Shades of Night and a Short Short Story**, featuring Rick Hautala, UMaine Class of '70 and author of *Shades of Night*, *Twilight Time*, and *Cold Whisper*, offered by the English Department, 7 p.m., Sept. 28, 141 Bennett Hall.

**Thursday Night at the Bear's Den**, offered by the Union Board, 9 p.m., Sept. 28, Union. x1734.

## 29 Friday

**Open Classroom Day**, part of Family and Friends Weekend, 8 a.m.-5:30 p.m., Sept. 29.

**"Excel,"** a CIT Mac Workshop, 9-11 a.m., Sept. 29, Fogler Library Classroom. Admission fee/registration required. x1638.

**"Deforestation, Biodiversity and Extraction of Non-timber Forest Products from Tropical Forests of India,"** by Kamal Bawa of the University of Massachusetts, part of the Forestry Seminar Series, noon, Sept. 29, 204 Nutting Hall. x2831.

**Performance by "A" Train**, part of the Union Board TGIF music series, 12:15 p.m., Sept. 29, Union terrace (Bangor Lounge, in case of rain). x1734.

**Men's Soccer: UMaine vs. Hofstra**, 3 p.m., Sept. 29. xBEAR.

**Aquaculture at Maine**, by Neil Greenberg, part of Family and Friends Weekend, 3 p.m., Sept. 29, FARG Building.

### SPRING SEMESTER STUDENT TEACHING

Applications for student teaching are now available at the Student Teaching Office, 130 Shibles Hall. **Deadline: Friday, Sept. 29.**

**Pulp and Papermaking Demonstration**, by Joe Genco, part of Family and Friends Weekend, 3 p.m., Sept. 29, Jenness Hall.

**"Physics of Frictional Interfaces,"** by Peter Blau, Oak Ridge National Laboratory, offered by the Department of Physics and Astronomy, 3:10 p.m., Sept. 29, 140 Bennett Hall. x2257.

**"More (Male) Power: Humor and Gender in Episodes of Home Improvement,"** by Steve Craig, part of the Department of Communication and Journalism Colloquium Series, 3:15 p.m., Sept. 29, 401 Dunn Hall.

### Cultural Affairs Committee Deadline for Proposals

The next deadline to submit proposals to the Cultural Affairs/Distinguished Lecture Series Committee is **Friday, Sept. 29.**

For information about proposal guidelines, contact Alexander Grab, Department of History, Stevens Hall.

**Performance by hypnotist Ronny Romm**, offered by the Union Board as part of Family and Friends Weekend, 8 p.m. and 9:30 p.m., Sept. 29, Darn Yankee. Admission. x1734.

## 30 Saturday

**Academic and Career Exploration (ACE) Reception**, part of Family and Friends Weekend, 9 a.m., Sept. 30, Bangor Lounge, Union.

**Organizational Fair on the Mall**, part of Family and Friends Weekend, 10 a.m.-1 p.m., Sept. 30.

**Hirundo Wildlife Refuge Tour**, part of Family and Friends Weekend, 10 a.m.-1 p.m., Sept. 30. Bus transportation provided from campus.

**Women's Soccer: UMaine vs. Hofstra**, 10:30 a.m., Sept. 30. xBEAR.

**Field Hockey: UMaine vs. Vermont**, 11 a.m., Sept. 30. xBEAR.



"A" Train members, left to right, Steve Orlofsky, Jim Frick, Mike Bennett, John Gallagher and Hugh Bowden.

### TGIF

The Union Board's TGIF Music Series continues Friday, Sept. 29 with a performance by "A" Train. The music begins at 12:15 p.m., on the Union terrace; Bangor Lounge, in case of rain. TGIF is a free Friday music series.

# Ongoing Events

## Conferences/Seminars/Workshops

**Do-It-Yourself Science and Engineering Database Searching Workshops**, 1-2:30 p.m., Sept. 25, Science and Engineering Center Office; 10-11 a.m., Sept. 26, Lynch Room; 1:30-2:30 p.m., Oct. 2, Lynch Room; 10-11:30 a.m., Oct. 13; 1-2:30 p.m., Oct. 25, Science and Engineering Center Office; 10-11:30 a.m., Nov. 6, Science and Engineering Center Office; 1-2:30 p.m., Nov. 17, all in Fogler Library. Registration required. x1678.

**Do-It-Yourself Social Sciences and Humanities Database Searching Workshops**, 3-4:30 p.m., Sept. 28; 10-11:30 a.m., Oct. 11; 1-2:30 p.m., Oct. 24; 3-4:30 p.m., Nov. 6; 9-10:30 a.m., Nov. 29; 1-2:30 p.m., Dec. 14, Reference Department Office, Fogler Library. Registration required. x3611.

**"Interviewing Techniques,"** Career Center Job Search Workshops, 2:10 p.m., Sept. 26; 2:10 p.m., Sept. 29, Chadbourne Hall. Preregistration. x1359.

**"Introduction to URSUS,"** an Internet class offered by Fogler Library, 10-11:30 a.m., Sept. 27; 2-3:30 p.m. and 6-8 p.m., Oct. 11; 10-11:30 a.m., Oct. 24; 10-11:30 a.m. and 6-7:30 p.m., Nov. 2; 2-3:30 p.m., Nov. 15, Fogler Instructional Center. Preregistration. x1675.

**"Navigating the Internet,"** an Internet Class offered by Fogler Library, 10 a.m.-noon, Oct. 16; 6-8 p.m., Oct. 19; 2-4 p.m., Nov. 14; 2-4 p.m., Dec. 4, Fogler Instructional Center. Preregistration. x1675.

**"Marine Science on the Internet,"** an Internet Class offered by Fogler Library, 10 a.m.-11:30 a.m., Sept. 25; 2-3:30 p.m., Nov. 9, Fogler Instructional Center. Preregistration. x1675.

**"HTML,"** a two part CAPS seminar by Eloise Kleban, 3:30-5:30 p.m., Sept. 26 and Oct. 3, 115 Corbett Business Building. x3517.

**"U.S. Government Information on the Internet,"** an Internet Class offered by Fogler Library, 10-11:30 a.m., Sept. 28; 2-3:30 p.m., Dec. 6, Fogler Instructional Center. Preregistration. x1675.

**"Electronic Job Search,"** Career Center Job Search Workshops, 3 p.m., Oct. 2; 8:30 a.m., Oct. 25, 121 Lengyel Computer Cluster. Preregistration. x1359.

**"Networking with the Maine Mentor Program,"** Career Center Job Search Workshops, 3:10 p.m., Oct. 4; 2:10 p.m., Nov. 2, Chadbourne Hall. Preregistration. x1359.

## Entertainment

**"More Than Meets the Eye,"** a Planetarium show, 7 p.m., Sept. 29; 11 a.m., 12:30 p.m., 3:30 p.m. and 7 p.m., Sept. 30; 10 a.m., Oct. 1, Wingate Hall. Admission fee. x1341.

**"Night World,"** a Planetarium show, 2 p.m. Sundays, Oct. 1-Nov. 12, Wingate Hall. Admission fee. x1341.

**"Where We Are,"** a Planetarium show, 7 p.m. Fridays, Oct. 6-Nov. 17, Wingate Hall. Admission fee. x1341.

## Exhibits/Demonstrations/Tours

**Alan Magee: Stones and Other Works**, a University of Maine Museum of Art exhibit, through Sept. 22, Hole in the Wall Gallery, Union. x3255.

**Maine Coast Woodcuts: Carroll Thayer Berry**, a University of Maine Museum of Art exhibit, through Sept. 27, Graphics Gallery, Union.

**Maps**, a University of Maine Museum of Art exhibit, Sept. 29-Nov. 30, Hole in the Wall Gallery, Union. x3255.

**Visible Voices: Spruce Run Junied Exhibition**, a University of Maine Museum of Art exhibit, Oct. 1-31, Graphics Gallery, Union. x3255.

**Maya Ceramics from the Palmer Collection**, a Hudson Museum exhibit, through Oct. 8, Maine Center for the Arts. x1901.

**The Hero Twins of Ancient Maya Myth**, a Hudson Museum photopanel exhibit, through Oct. 8, Maine Center for the Arts. x1901.

**Collection Choices**, a University of Maine Museum of Art exhibit, through Nov. 3, 1938 and Carnegie Galleries, Carnegie Hall. x3255.

**Maine Visual Artists**, a University of Maine Museum of Art exhibit, through Nov. 10, Hauck Auditorium Gallery, Union. x3255.

**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-Friday, 9 a.m.-4:30 p.m. x3255.

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

## Meetings of Groups/Organizations

**Peace Corps General Information Meetings**, 7 p.m., Oct. 16, Nov. 13 and Dec. 11, all in Sutton Lounge, Union. x1633.

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

**Peace Corps Office** open 1-4 p.m., Monday; 10 a.m.-2 p.m., Wednesday; 9-11 a.m., Friday, or by appointment, Career Center, Chadbourne Hall. x1633.

**Maine Peace Action Committee** meets every Tuesday, 4 p.m., Virtue Room, Maples. x3860.

**PEAC - Professional Employees Advisory Council**, meets the first Thursday of every month, FFA Room, Union.

**Association of Graduate Students** meets the second and fourth Thursday of every month, noon, Lown Rooms, Union. x4548.

**Nontraditional Student Coffee Hour**, every Thursday, 3 p.m., Commuter Lounge, Union. x1820.

**Prisoners of Gender**, every Friday, 1:15 p.m., Davis Room, Union. 827-8118.

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

## Religious Worship

**Newman Center/Our Lady of Wisdom Parish Weekly Liturgy:** Sunday, 9:30 a.m. and 6:15 p.m., Newman Center, 11:30 p.m., Bangor Lounge, Union; Monday-Thursday, 4:45 p.m., Newman Center. 866-2155.

**Orono Friends Meeting (Quaker)**, every Sunday, 10 a.m., Orono Community Center, Bennoch Road. 942-7255.

**Circle of Celebration - Protestant Ecumenical Worship**, offered by the Wilson Center, 5 p.m., Sunday, Drummond Chapel. 866-4227.

**Hindu Prayer Meeting**, contact Arvind Sharma, 866-0304.

**Ecumenical Brown Bag**, African Bible Study, Book Studies, Fireside Chats with faculty and staff regarding their spiritual vocations here in academia, led by Rev. Deborah Adams, every Monday, noon-1 p.m., Memorial Room, Union. 866-4227.

**Taste of Home Potluck**, bring a favorite dish to share, every Thursday, 5:30 p.m., Wilson Center, 67 College Ave. 866-4227.

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

**Wilson Center**, open as a place for solitude, study and gathering, 8 a.m.-9 p.m., daily. 866-4227.

## Miscellaneous

**Antiques, Collectibles and Crafts Show and Sale**, part of Family and Friends Weekend, 10 a.m.-4 p.m., Sept. 30-Oct. 1, Lengyel Gym. Admission fee.

**Living History Days at Leonard's Mills**, featuring Anah Temple Highlanders and storyteller David Lint, offered by the Maine Forest and Logging Museum, 9 a.m.-4 p.m., Oct. 7-8, Bradley. Admission fee. x2871.

**Orono Farmers' Market**, every Saturday and Tuesday, 8 a.m. until sold out, through Oct. 31, Steam Plant parking lot. 866-4784.

**Farm Store**, open Monday-Friday, noon-5 p.m., until Homecoming.

**Study Abroad Resource Room**, open 9-11 a.m., and 1-3 p.m., Monday-Friday, third floor, the Maples. x2905.

**Fall Hayrides**, Leonard's Mills, Bradley, offered by the Maine Forest and Logging Museum. 947-8783 or 947-8838.



**Open House at Roger Clapp Greenhouse**, 11 a.m., Sept. 30.

**Cardboard Canoe Race**, offered by the UMaine chapter of the American Society of Mechanical Engineering Students as part of Family and Friends Weekend, noon, Sept. 30, Stillwater River, Steam Plant Lot.

**Football: UMaine vs. James Madison**, part of Family and Friends Weekend and featuring the President's Welcome at halftime, 1 p.m., Sept. 30. Admission fee.

**Lyle E. Littlefield Trial Ornamental Garden Tours**, 1-2 p.m., Sept. 30.

**Aquaculture at Maine**, by Neil Greenberg, part of Family and Friends Weekend, 3 p.m., Sept. 30, FARG Building.

**Movie: Outbreak**, offered by the Union Board, 6:30 p.m. and 9:15 p.m., Sept. 30, 100 Corbett Business Building. Admission fee.

**George Carlin in Concert**, 7 p.m. and 9:30 p.m., Sept. 30, Hutchins Concert Hall. Admission. x1755.

**Faculty Chamber Music with Guitar** featuring guitarist Keith Crook, Anatole Wiecek on viola, flutist Susan Heath and cellist Diane Roscetti, part of Family and Friends Weekend and the Music Series of the School of Performing Arts, 8 p.m., Sept. 30, Lord Recital Hall. Admission fee.

## 1 Sunday

**Master Class by Pianist Lorin Hollander**, 3-5 p.m., Oct. 1, Hutchins Concert Hall. Admission fee. x1755.

**Women's Tennis: UMaine vs. New Hampshire**, 1 p.m., Oct. 1. xBEAR.

**Men's Soccer: UMaine vs. Drexel**, 1 p.m., Oct. 1. xBEAR.

**Fall Meeting of the Maine Chapter of Children's International Summer Villages (CISV)**, 2:30 p.m., Oct. 1, Doris Twitchell Allen Community Center. 947-3196.

### AUDITIONS - AUDITIONS - AUDITIONS - AUDITIONS

Auditions will be held on Tuesday, Sept. 26, 4-7 p.m., Bangor Lounge, Union, and on Wednesday-Thursday, Sept. 27-28, 7-10 p.m., Alumni Hall Dance Studio, for the play, *Our Country's Good*. The play by Timberlake Wertenbaker, based on a novel by Thomas Keneally, author of *Schindler's List*, will be directed by Patricia Riggan, assistant professor of theater. It opens on campus Nov. 30. There are roles for five women and seven men of all ages and races who play convicts, British officers and Aboriginal Australians at the time of the arrival of the First Fleet in Australia in 1788. The play won the Laurence Olivier Play of the Year Award in 1988. Scripts are on reserve in Fogler Library under THE111.

### STRIKE UP THE BAND

The United States Air Force Band and Singing Sergeants from Washington, D.C., will perform Monday, Oct. 2, beginning at 7:30 p.m., in the Hutchins Concert Hall. Tickets for the free concert are available by calling the Maine Center for the Arts Box Office, 581-1755. The 100 musicians in the band and chorus will be performing a variety of classical band and patriotic selections, including marches and works by American composers. Their appearance at UMaine, made possible by the Cultural Affairs Committee, kicks off a two-week nationwide tour for the groups. The musicians are arriving in Bangor by way of two jets courtesy of the Air Refueling Wing of the Air National Guard in Bangor. According to Professor of Music Dennis Cox, the Air Force Band and Singing Sergeants are a "world-class group," with members auditioned from major music schools throughout the country. "For music educators and for those who love great music, this is an opportunity to hear ensemble music at its highest level of performance."

## 2 Monday

**"Fish Discoveries by the Lewis and Clark, and Red River Expeditions of the Early 19th Century,"** by John Moring, part of the Wildlife Ecology Seminar Series, noon, Oct. 2, 204 Nutting Hall. x2862.

## 3 Tuesday

**"Word Tables/Columns,"** a CIT DOS Workshop, 8:50-10:50 a.m., Oct. 3, 111 Corbett Business Building. Admission fee/registration required. x1638.

**22nd Annual Governors' Economic Development Conference**, featuring a keynote by author and business philosopher Philip Crosby, Oct. 3, Wells Conference Center. Registration. x1646.

**"The Origin of Cation Selectivity in Gramicidin and other Uncharged Ion Channels,"** by Peter Jordon, Brandeis University, a Chemistry colloquium, 11 a.m., Oct. 3, 113 Aubert Hall. x1179.

**Speak Out on Domestic Violence by Survivors**, part of the Women in Curriculum Lunch Series and offered by Spruce Run, 12:15 p.m., Oct. 3, Union terrace. x1228.

**Groundbreaking Ceremony for the Edward T. Bryard Global Sciences Center**, 3 p.m., Oct. 3.

**Women's Soccer: UMaine vs. Holy Cross**, 7 p.m., Oct. 3, Falmouth. xBEAR.

## 5 Thursday

**"We the People . . . The Citizen and the Constitution,"** a conference for

high school teachers of social studies, offered by the College of Education, 9:30 a.m.-4:15 p.m., Oct. 5, Woolley Room, Doris Twitchell Allen Village. Registration/materials fee. x2424.

**"An Introduction to Wildlife Ecology, Biology and Habitat,"** an ITV Cooperative Extension program by Cathy Elliott, part of the Extension Connection series, 11 a.m.-1 p.m., Oct. 5, 207 Shibles Hall and 10 other viewing sites in the state. 800-287-7170.

**"Is Mythic Thinking Inherently Reactionary?"** a discussion with Kyriacos Markides, Tina Passman and Doug Allen, part of the Socialist and Marxist Studies Luncheon Series, 12:30 p.m., Oct. 5, Bangor Lounge, Union. x3860.

**"Navigating the Internet,"** a CAPS seminar by Eloise Kleban, 3:30-5:30 p.m., Oct. 5, 115 Corbett Business Building. x3517.

**End of the first-third of semester for withdrawals**, 4:30 p.m., Oct. 5.

### SEXUAL HARASSMENT AWARENESS WORKSHOPS

A multimedia workshop complying with the Maine legal mandate to provide sexual harassment awareness education for all new employees will be presented by the Office of Equal Opportunity at the time and dates listed below. The workshop, mandated for new professional staff, but open to all interested employees, will address questions like: What is sexual harassment? What do I do if a student or employee tells me they think they are being sexually harassed—by another student, a professor or even by myself? What are institutional and individual rights, responsibilities and liabilities in regard to sexual harassment or knowledge of it?

**Monday, Sept. 25**  
**3:15 p.m., 117 Corbett Business Building**  
or  
**Thursday, Oct. 5**  
**11 a.m., 117 Corbett Business Building**

Call x1226 for registration, questions or additional information.

### IT'S ABOUT TIME: TEACHING HISTORY IN MAINE

The two-day conference, "It's About Time: Teaching History in Maine," will be held Friday-Saturday, Oct. 6-7, offered by the History Department and the College of Education. There is a registration fee for participants.

Segments of the conference Oct. 6 in Wells Conference Center are free and open to the University community:

- ▼ Keynote address - "The History Wars of the 1990s," by Gary Nash, director, National Center for History in the Schools, UCLA, 10:15 a.m.
- ▼ Roundtable debate on the New History Standards, moderated by Lynn Nelson with Eileen Eagan of the University of Southern Maine, Gerald Davis of Portland High School, and Richard Blanke, 11 a.m.
- ▼ "Teaching the Civil War," by Margaret Creighton, Bates College, 2 p.m.
- ▼ "Music, Jazz and History," by Jay Bregman, James Frick and Welch Everman, 7:30 p.m.

Presentations open to the University community Oct. 7 in the Corbett Business Building:

- ▼ "Teaching Maine History," by Richard Judd, 9 a.m.
- ▼ "Film and History," by Karan Sheldon, Northeast Historic Film, 11 a.m.

**For more information, call x1908.**

## People in Perspective

For generations, members of Anthony Strong's family have made their livelihoods with food. His great-great grandfather was a butcher. His cousin owns a major produce business in upstate New York. As a food scientist for RJR Nabisco, Strong's father helped patent several food products, including the popular egg substitute known as Eggbeaters.

It was in third grade that Strong first realized he would be carrying on the family tradition. When the teacher asked the children to bring lunches the next day that could be assembled in class, Strong decided he'd be making egg salad, even though he had no clue how long to boil the eggs.

"I brought the eggs and made egg salad and the teachers were fighting over who was going to lick the bowl," he says. "I could see my interest in food starting then. There wasn't any secret to the recipe; I guess it was so good because the eggs were fresh.

"I always thought it was ironic because my dad and I seem to have this correlation in our careers with eggs. But cooking was something I always did as a kid. In my house, there was always a chef. Food is my life, and that's the way it's been since I was a kid."

Strong attended the Johnson & Wales University Culinary Arts Program in Rhode Island and worked under three four-star chefs during a five-year period. His goal was to gain extensive culinary training before learning the management side of the business. In 1991, he enrolled in the Food Management Program of the Rochester Institute of Technology. While in school, he worked for the Victor Grilling Co., where he was the second-in-command in charge of all food production and the kitchen's general operation up until joining the University of Maine community as manager of Catering Services at Wells Conference Center this past June.

Of his comprehensive training, Strong says it has been in an effort to become as knowledgeable as possible about all aspects of the food preparation and service. "In overseeing different kitchens at different operations over time, my goal was to get a diverse background in different food service operations. As a result, I'm able to relate and recognize efficiencies of kitchen operation and management, becoming a liaison in many ways. That personal mastery – knowing food well – is good for managing it."

It is that mastery and management that Strong brings to Dining Services, where he oversees the University's primary catering and conference dining services. What he envisions for Wells Conference Center is a "repositioning" of the operation in the University community, complete with new facets ranging from specialty menus to retail food service.

"We already have a large catering business tied to Conferences and Institutes, and we have our (special order) deliveries on campus that constitute 90 percent of our business. We hope to expand that operation to provide food service for such events as weddings. We look forward to Wells getting more involved in the community and offering more services to faculty and staff. To do that, we're hoping people will tell us how we can help serve them better."

Strong is now exploring the possibility of initiating a retail food service operation in Wells. The cafe-style service for breakfast and lunch indoors and out could be available as early as the spring semester.

"The idea is not to compete with local restaurants, but to



Anthony Strong filleting a Machias-grown salmon

Photo by Tim Boyd

provide a quality operation to the University community," Strong says. "What we hope to add is a specialized menu offering culturally diverse cuisines from around the world. That still means we'll be using Maine products, but we also hope to offer ethnicity in our menus for even the most elaborate of presentations.

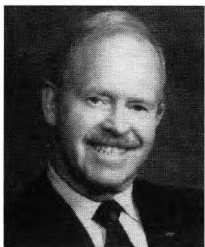
"The goal is to be the total solution for customers," says Strong. "We need to serve everyone with a high-quality operation in which menus can be customized to fit customers' budgets and service needs. We want to provide choices to the University community. The key is in not compromising on quality of service."

Strong admits that ethnic foods are a passion, and seafood is his specialty. "But I like to do everything," he says, and he takes pride in the discriminating palate he has developed through the years that allows him to tell with just one taste how long a soup has simmered or in what order the ingredients were added, or if any of the six stages were skipped in the creation of a sauce.

"I believe in rounds of tasting – from the pastries and meats to the salads," he says. "It's important to me because I can tell which items were made yesterday or today, whether they contain margarine or butter, were frozen or are fresh. To me, leftovers say a lot. I like to be there not only when the plates go out to the dining room to look at presentation and portions, but when they come back to determine if food was overproduced or not liked. I feel that tasting and eating food are only half the battle to cooking. You have to know the process the food product goes through to get that final taste. Cooking is taking the ingredients of nature, putting them together and have them naturally react to each other under conditions of heat and cold. It's all a chemical reaction.

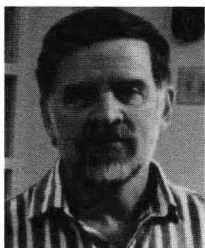
"My metaphor for life is the club sandwich – building with all the right ingredients in the right place so that in the final step – the moment of truth – when it's time to cut through all the layers, everything stays together because you know the foundation was done right."

## Look Who's On Campus



Author and business philosopher Philip Crosby, will deliver the keynote address of the Governors' Economic Development Conference on Tuesday, Oct. 3. A nationally prominent expert on the role of management personnel within business organizations, Crosby is the founder of Career IV Inc. He is credited with triggering a heightened commitment to

quality industrial production in the U.S. and Europe through his books on the subject. Crosby is the author of eight books, including *Completeness: Quality for the 21st Century*.



Gary Nash, co-chair of the National History Standards Project, will give the keynote address of the conference: "It's About Time: Teaching History in Maine," scheduled for Friday-Saturday, Oct. 6-7. Nash will speak Friday on: "The History Wars of the 1990s." A professor of history at the University of California - Los Angeles since 1966, a renowned author and

scholar, Nash is director of the National Center for History in the Schools, responsible for administering the History Standards Project, and served as president of the Organization of American Historians from 1994-95. He is the author of more than 15 books, including *Lessons From History: Essential Understandings and Historical Perspectives Students Should Acquire*.

## 'We the People' Conference Focused on Civics Education

Social studies teachers from around the state will gather at the University of Maine on Thursday, Oct. 5 to receive the latest information and training in the national "We the People - The Citizen and the Constitution" program.

Established eight years ago by an act of Congress, the goal of the program is to provide the next generation of voters with the historical perspective and analytical skills necessary to comprehend and apply the basic tenets of American democracy to the country's changing political, economical and social conditions.

Hosted by the UMaine College of Education, the conference will offer speakers and sessions to familiarize teachers with materials, strategies and resources available for teaching about the Constitution and the Bill of Rights, how they have functioned for the past two centuries, and their relevance for the present and future.

"Most students and many adults don't know how government operates or how to change things, but if they become involved as a citizenry, they can instigate change and have a voice in the democratic process," says Pamela Beal, Maine's state coordinator for We the People. "Students are amazed to see how much impact they can have when they get involved in this program and play a participatory role in government," she says.

Developed by the national Center for Civic Education, the program complements the regular school curriculum and is intended to foster civic competence and responsibility among

*continued on page 10*



The School of Performing Arts season begins Saturday, Sept. 30 with an evening of faculty chamber music with guitar, offered as part of Family and Friends Weekend. The opening concert at 8 p.m., in the Lord Recital Hall features, left to right, cellist Diane Roscetti, Anatole Wiecek on viola, Susan Heath on flute and classical guitarist Keith Crook. The program will include Paganini's Trio Concertante for viola, cello and guitar; Burgmuller's Three Nocturnes for cello and guitar; a Giuliani Sonata for flute and guitar; and Variations Mignonnes for guitar by Mertz. The program will conclude with all faculty members performing the Schubert Sonata for flute, viola, cello and guitar. This concert program was last performed by these artists as part of the Performing Arts Series in Islesboro in June. Admission for the UMaine concert is \$3 at the door, or season subscriptions can be purchased by calling the School of Performing Arts box office, 581-1773.

*Photo by Monty Rand*

## School of Performing Arts Ready to Share the Vision

It began with a shared vision. Now two months after the merger of the long-standing Departments of Theatre/Dance and Music, it is shared governance that constitutes the infrastructure of the new School of Performing Arts in an effort to make that vision a reality.

The result is a new focus - a synergy - for the academic performing arts at UMaine, and the impact is destined to be realized throughout the University community and the state.

"There is a natural affinity among the performing arts, and therefore it is a natural process to combine these departments into the School of Performing Arts," according to the School's new associate director Diane Roscetti. "The merger of the departments into a school, along with the the construction of our new building that is moving toward completion, will bring a real focus of cultural and intellectual activity to campus. Excellence in arts and education enhances quality of life. It makes up the essential foundation of a progressive society."

On this, the eve of the School's first performing arts season that begins Sept. 30, Roscetti and School Director Tom Mikotowicz predict that this coming year will be one to remember.

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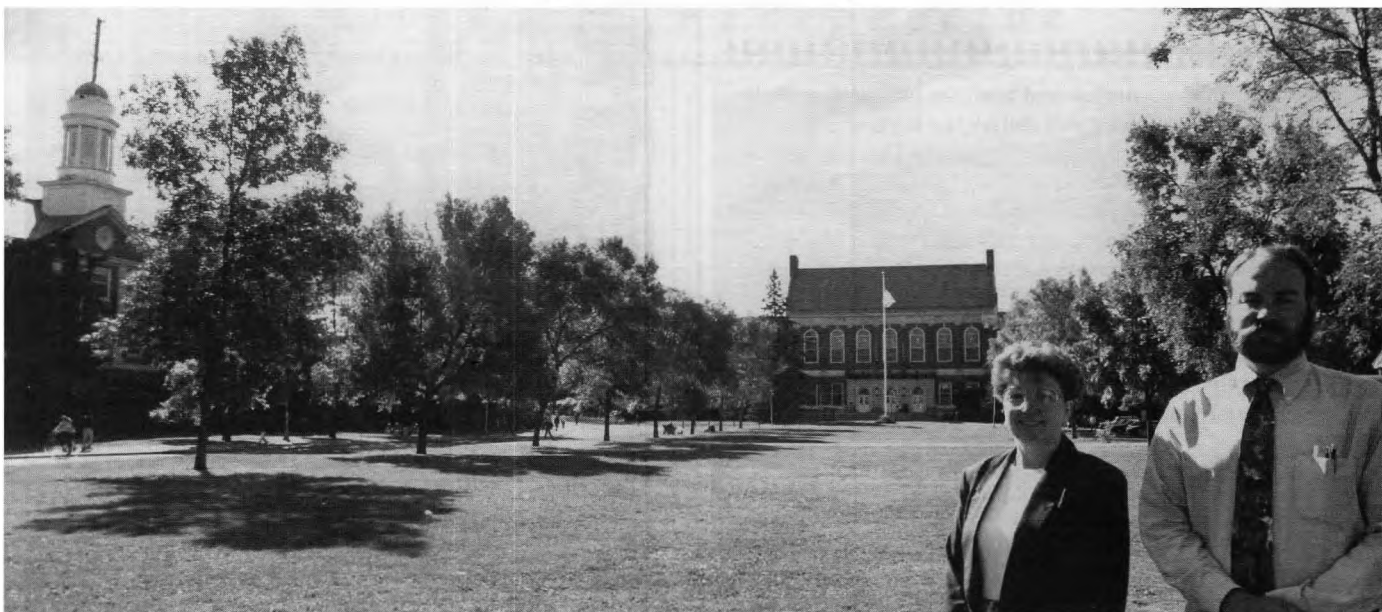


Photo by Diane Vatne

## The Matchmaker

*UMaine's Department of Industrial Cooperation matches the needs of Maine's businesses and inventors with the expertise and facilities available at the University*

Jake Ward's office in Corbett Hall may be one of the few on campus not tied to the academic treadmill. In early September, when students lined up in business and faculty offices seeking advice and signatures, the routine in Ward's office didn't change.

In fact, his most important clients rarely set foot in Orono. Ward directs the Department of Industrial Cooperation (DIC), a unit that includes administrative assistant Jonnie Wheaton and a work-study student. His most important job, he says, is matching the needs of Maine's business entrepreneurs and inventors with the intellect and the facilities available on the campus.

DIC helps solve the pragmatic, day-to-day problems of people who drive the state's economy. "If a company wants to do a project, we try to find a faculty member to do it, and the faculty determines what resources are needed, lab space, equipment and so on. We then negotiate a fee-for-service contract," Ward says. "The company contracts with DIC. DIC then hires the faculty and students and leases the facility to do the project. DIC becomes the department of record for that contract."

Most projects employ graduate students, Ward notes, and some also involve undergraduates. Projects typically dovetail with the students' academic programs.

The DIC contracted for nearly \$1 million worth of work (127 projects) in the past fiscal year, an increase of about 50 percent over the previous year. Examples emphasize its wide range of activities:

- ▼ a customized electronic prototype for an inventor
- ▼ computer modeling of heat transfer in a plastic molding process
- ▼ taste tests of new agricultural products
- ▼ pilot plant tests for paper companies
- ▼ a literature search on uses for waste leather for the shoe industry
- ▼ strength tests on bolts used in public construction projects

"A lot of what we do tends to be proprietary," Ward explains. "There's not going to be a published paper. It's not basic research.

It's an application of a faculty member's expertise to a specific problem for a specific client. Yet it gives the faculty and students a chance to work on real problems."

Ward adheres to several criteria to determine whether or not to undertake projects. "We don't compete with Maine's private sector. When a company approaches the University to initiate a project, one of the first things I ask is what they have tried and who they have talked to. If they're talking with private labs or consultants, we either don't get involved or we work in partnership with the other firm to fill in the gaps."

"The project also has to be in a field in which the University has expertise. It's clear that we can't be all things to all people. If a business makes a request for a service we can't provide, the best thing we can do is point them in another direction."

DIC projects must be over and above the faculty's regular duties of teaching, research and public service. DIC also avoids projects which are clearly driven by fundamental research questions with broad applications. Research grants are handled by the University's Office of Research and Sponsored Programs.

The department was created shortly after World War II. Richard Hill of the Department of Mechanical Engineering guided DIC for more than 40 years before retiring in 1992. "Dick's expertise is still sought throughout the state," says Ward, who brings an ocean engineering degree from the University of New Hampshire and manufacturing experience to his position.

That experience has proved to be invaluable. "Having an engineering background enables me to sit at the table with business people and converse with them on a fairly knowledgeable basis. That means a lot in Maine. This is a small state, and word gets around fast."

Nevertheless, doors don't open by themselves, and on any given day, Ward is out touring a small metal working plant, speaking to a forum of Maine inventors or visiting a forest products manufacturer. "The first thing I want to know is what their problems are,"

*continued on page 15*

## Telecommunications *continued from page 1*

It is a long way from the days of analog phones and pink phone message slips on campus.

"To realize just how far we've come, you have to look back to the pre-bond issue era when we had a cable plant that was falling apart," according to Gary Corbett, director of the University of Maine Telecommunications Office. "It had no expansion capability, and there were buildings on campus to which no new services could be added due to lack of cable facilities. Network connectivity was limited to hardwired terminals, no campus network, no digital sets with various features and configurations, no voice mail with its many features. Many of the work tools we have today would not be possible without the cable infrastructure that was put in place four years ago. If we look at where we've come in those four years, it has been a 180-degree turnaround, with the catalyst being the bond issue."

The 1988 bond issue provided \$3.5 million to this campus to develop a telecommunications infrastructure and switching platform. Installed by Northern Telecom, the new telecommunications network involved fiberoptic connectivity between most buildings. The campus cable facility officially switched to the new telecommunications network in December 1991.

"That included the data cabling necessary to grow a campus network capable of providing 10 megabytes of Ethernet connectivity to the desktop," says Corbett. "And on the voice side, it involved digital telephone sets with on-screen displays, voice mail and soft-key functionality."

With such an infrastructure in place, maintained and continuously upgraded by the Telecommunications Office, services could then be offered, like the public computer clusters maintained by CIT and made possible through student technology fee funding. Now, in addition to computer clusters and classrooms providing academic resources, more and more students in the residence halls have available network access capabilities.

"Today there are more than 2,000 IP addresses on campus, representing physical connections to the campus network and to the Internet," Corbett says. "For the most part, construction of the network has been a grassroots effort, as departments have seen the value of network connectivity and contracted with CIT or CAPS to provide access."

Corbett says that, from the telecommunications systems he has seen at other universities, the University of Maine is "on the high end of the scale as far as infrastructure capabilities with which to build. We are second to none, from what I've seen. As far as building services on it, we've made strides with the money available, but the campus could farther go with more funding. World Wide Web access and research functions are areas that will soon drive the need for even higher speed networks than the current 10 MB network many of us have access to today. As demands for band width grow, the money needs to be there to continue our progress, and to keep us on a level playing field with other universities."

While campuswide connectivity continues to be addressed, some of the latest technological advances are within a couple years of being introduced at UMaine, according to Corbett. Among them is a voice and fax messaging software known as VISIT Messenger for the desktop. A server hardwired to the campus network expands Meridian Mail to offer visual voice and fax messaging. On your computer screen using VISIT Messenger, voice messages are listed and can be saved, heard and routed to personal directories. The same software allows for fax management capabilities including lists of all new and saved faxes, viewing on and printing from the computer screen, and sending faxes from the desktop.

Within the next four months, it is hoped that UMaine depart-

ments will be used as test sites for the VISIT Messenger software, with possible incorporation of the software on campus as early as fall 1996, says Corbett, who adds that such desktop voice mail and faxing capabilities are only the beginning. "The next step will be the addition of e-mail so that all three capabilities will be accessible in one software package, hopefully within the next two and a half years," he says.

"At present, these are the three basic forms of electronic communication, and it is the technology that will push us toward a more homogenized campus network. No one wants to deny departments the right to show initiative and individuality in their network design, but at a base level, access and communication services across campus need a standard from which everyone can grow."

Telecommunications also expects that advances in open systems architecture by telephone system manufacturers and computer software companies will offer even greater personal flexibility at the desktop. There are already "shrink wrapped" software packages that can be installed on desktop computers and allow phone set control. These packages provide such features as monitoring of calls from the desktop so that, by the time an incoming call rings through to the desktop, a database has been searched and the basic information about that caller is on the computer screen. This type of initial application would be of great use to departments that deal with large numbers of callers looking for information that is available on a database. Most of the initial applications are designed to improve the speed and quality of customer service, says Corbett.

Other technologies on the horizon for the UMaine campus include desktop videoconferencing and remote access with direct digital connections, which is dependent on NYNEX's installation of ISDN (Integrated Services Digital Networks) circuits throughout Maine. "With ISDN connections in the home, remote access will be as simple and as fast as the current on-campus direct connection with no dialing via modem. This is not new, it's how Stanford and the University of Illinois, among others, work at home today. While it is late getting to Maine, it will be available in the Bangor area later this year, and we are already planning beta tests with a fraternity, several off-campus students, and a mixture of campus employees. When the service is finally in full production, most likely in fall 1996, it will revolutionize remote access.

"In general," says Corbett, "it all has to do with the idea of convergence - multiple technologies converging to hopefully simplify the way we do our work." ▲

**SURPLUS SALE:** The University of Maine offers for sale, on an as-is where-is basis, the following: (1) FOUR-PERSON COMPUTER TABLE, \$100; (6) 8088 COMPUTERS, some with HD and/or color, \$20-\$40; (1) 8 MB RAM, 2- 4 MB SIMS, 1 x 32, 70 NS, 72 PIN, \$320; (2) TYPING STANDS, \$20 each; (1) AT&T ANSWERING MACHINE, tape type, \$15; (2) 8088 COMPUTERS, 1- Zenith 159, 1- AT&T 6300, \$20 each; (5) KAYPRO 286(?) COMPUTERS, 8MB HD, mono, \$40 each; (1) DATA CARD IMPRINTER, Addressograph 850, semi-automatic, \$20 each; (1) IMAGEWRITER PRINTER, wide carriage, \$50; (1) DAYNA DRIVE, translates IBM disks to Mac, \$50; (3) SONY BETAMAX VCR'S, \$50 each; (1) NEC SPINWRITER PRINTER 8800, daisywheel, \$25; (1) TRUCK BED LINER, like new, for fullsize GM long bed pick up, \$100; (2) STRAIGHT-BACK CHAIRS, plastic w/chrome legs, \$5 ea; (1) SIGNALMAN MODEM MK12, \$5; (1) EKG MACHINE, Schiller Type AT-6, 12 lead, 2 yrs old, \$2,500; (1) SPIROMETER, Vital Graph, FREE; (1) CALCOMP 1025 PEN PLOTTER, Artisan Plus, 8 pen, 2 meg plot buffer, \$500; (12) DICTATING UNITS, Cassette Master CM2, \$25 each. Off campus inquiries are welcome. Items usually sell for the prices specified, however, lower offers are sometimes considered. For further information contact Ron Logan, Purchasing Dept., 581-2692. E-mail Logan@Maine.

## School of Performing Arts *continued from page 7*

Musical, theatrical and dance performances will continue to showcase the talents of UMaine faculty and students who are counted among the state's top performers, but now audiences can enjoy a combined season, and may even rediscover the multidisciplinary approach to the academic performing arts.

That multidisciplinary perspective will be reflected in the collaboration between the School's faculty and a well-rounded approach to the performing arts for students of the School. "Students in any one of the three disciplines are likely sometime in their careers to be involved in other performing arts activities. That's why it's helpful for them to become knowledgeable about as many facets of the performing arts as possible, and that's what this School is all about," says Roscetti.

In terms of the education of UMaine students, no matter if they are majoring in one of the performing arts or not, the academic events, as well as the entertainment, offered by the disciplines of music, theater and dance often become a part of their academic life. "Memories of the events they attend or participate in will be with them the rest of their lives," Mikotowicz says.

"Life at UMaine is enhanced in many ways beyond just the stage performances. The School receives many requests from the University community and beyond for groups like the University Singers, Marching Band, Pep Band and others whose talents have added to the tradition and fabric of the University," he says.

It was one and a half years ago that the faculty of the two departments began seriously talking about the merger as a means of greater effectiveness as well as cost-savings. The possibilities became even more evident in recent years with the collaboration of UMaine's arts community to present first an ArtsFest and then an arts gala. "We found to our surprise that we had a shared vision for the arts on campus," says Mikotowicz.

"Theater and music were out there in the public schools doing performances, and both had touring performances throughout the state in the spring. Our faculty consult with Maine teachers, and their students come to campus for academic performances. Our faculty have been a resource to schools in the state, and those educators often supplement their arts programs with us. These were all efforts being done individually until now. Now we have the opportunity to develop a combined approach to our outreach.

"There has always been a plethora of publishing and creative activity from faculty and students in the academic performing arts at the University. We are committed to combining our forces to develop new courses, as well as minor and major degree programs, to serve the mission of the University in a more effective way. We are part of the whole education of a student on this campus."

To accomplish that, the School of Performing Arts is operating on a model of shared governance. The director, associate director

and three faculty committees – peer, policy and curriculum committees – make up the School's governing structure that not only recognizes the value of faculty input, but the working knowledge of two departments that have histories dating back decades.

"We decided we wanted to be in charge of our destiny, and we created a structure that would allow for that," says Mikotowicz. "We have an understanding of who we are and the needs of the units. As one faculty now we have realized many major benefits, one of them being direct lines of communication among those involved in similar activities. There are shared curricula and performance projects, grants and administrative matters. It's a whole new way of doing things.

"We're going to have more visibility," Mikotowicz says, "and with our combined efforts, there will be more focused energy than there ever has been." ▲

## 'We the People' *continued from page 7*

students through an in-depth study of the Constitution and Bill of Rights. Annual competitions are held at the congressional district, state and national levels where entire classes compete in simulated congressional hearings.

Maine Secretary of State Bill Diamond will be among the speakers, informing conference participants of the "Promote the Vote" project, a massive effort being coordinated by his office aimed at giving Maine the distinction of having the highest voter turnout in the 1996 general election.

The 1996 election will also be a focus of political scientist Anthony Corrado's presentation on "Presidential Politics and the New Constitutionalism." Corrado, associate professor of government at Colby College, has served as a consultant to the Center for Civic Education.

A highlight of the conference will be an introduction and demonstration lesson of the new high school textbook, *We the People - The Citizen and the Constitution*, by Lynn Nelson, UMaine associate professor of social studies education and District 2 coordinator for We the People. Maine Congressional Representatives John Baldacci and James Longley are also scheduled to meet with the teachers. ▲

## Did You Know



▼ For the past decade, the Center for Research and Evaluation in the College of Education has linked the University to Maine's schools, communities and public agencies to more effectively address the complex issues confronting educational systems in the state.

▼ The Center is an active participant in projects designed to improve school effectiveness and academic outcomes. It provides evaluation services, including fiscal, administrative and curricular reviews.

▼ Towns and nonprofit organizations in Maine and Canada have contracted with the Center for school/community surveys, enrollment projections, building utilization studies, program evaluations, administrative structure reviews, financial analyses, and school climate and economic development studies.

▼ The Center designs and conducts qualitative and quantitative research about school conditions and practices.

▼ Research findings are disseminated through analytical reviews and bulletins; original research is published in the *Journal of Research in Rural Education*.

### General Alumni Association Student Travel Support

The University of Maine General Alumni Association has funds available to support student travel to professional conferences, organizational meetings, club competitions, and other events related to University programs and activities. To be eligible, all travel must take place during the 1995-96 academic year. Currently enrolled graduate or undergraduate students, and student organizations may apply. Students may request up to \$500 per event; organizations may request up to \$750. Applications are available by contacting the Alumni Association, x1138. Application forms, which must be accompanied by a letter of support from a faculty sponsor, must be received by the Alumni Association no later than 4:30 p.m., Friday, Oct. 13. Submissions will be judged on the quality of the applicants' essays and the strength of the faculty recommendation. Awards will be announced by Nov. 1.



**Lindsey Rustad**, faculty associate in applied ecology and environmental science, and **Christopher Cronan**, professor of plant biology and ecology: "Biogeochemical Controls on Aluminum Chemistry in the O Horizon of a Red Spruce Stand in Central Maine, USA," *Biogeochemistry*, Vol. 29, pp. 107-29 (1995).

**James Acheson**, Department of Anthropology: "Coase Among the Purepechas: Transaction Costs and Institutional Change in a Mexican Indian Pueblo," *Journal of Institutional and Theoretical Economics*, Vol. 151, No. 2, pp. 338-72.

**John Main**, assistant professor of mechanical engineering: "Highly Mobile Space Suit Material Optimization," *International Society of Astronautics' Acta Astronautica*, Volume 36, No. 1, pp. 73-79 (1995).

**Max Egenhofer**, associate director of the National Center for Geographic Information and Analysis, associate professor in surveying engineering, and cooperating associate professor in computer science, and David Mark: "Modeling Spatial Relations Between Lines and Regions: Combining Formal Mathematical Models and Human Subject Testing," *Cartography and Geographic Information Systems*, Vol. 21, No. 4, pp. 195-212 (1994).

**Kathleen March**, professor of Spanish: "La conquista de la sexualidad y la sexualidad de la conquista: las amazonas en América," *Dans le sillage de Colomb. L'Europe de Ponant et la découverte du Nouveau Monde (1450-1650)*. Ed. Jean-Pierre Sanchez. Rennes: PUR, 1995, pp. 331-37. Also, her English translation of Rosalía de Castro's *La Hija del Mar, Daughter of the Sea*, was published by Peter Lang.

**Steve Sader**, professor of forest resources, "Spatial Characteristics of Forest Clearing and Vegetation Regrowth as Detected by Landsat Thematic Mapper Imagery," *Photogrammetric Engineering and Remote Sensing*, Vol. 61, No. 9, pp. 1145-51 (1995).

Professor **Michael Lewis**, Art Department, had a one-person exhibition: *Celebration of Light: The Maine Landscape*, at Uptown Gallery in New York City, May 1995. Lewis also had a two-person exhibition: *New Paintings*, at J.S. Ames Art gallery in Belfast, Maine, August 1995. A recent painting by Professor Lewis:

*Wind and Light (a Journey)*, has been acquired for the collection of the Fogg Art Museum, Harvard University.

A.K. Konopka and C. **Martindale**, professor of psychology: "Noncoding DNA, Zipf's Law, and Language," *Science*, (1995) 268, 789.

## University Bookstore

### Banned Books Week

The University Bookstore will be participating in the 14th annual observance of Banned Books Week, Sept. 23-30. This annual observance celebrates the freedom to read, and is an opportunity to publicize the all-too numerous instances of censorship in this country, and in the rest of the world.

Despite the Constitutional guarantees of Freedom of the Press and Freedom of Speech in the U.S., schools, libraries, and communities choose, on a daily basis, to prohibit citizens from access to certain works. In other countries, these bans can result in legal action against the authors of "questionable" books.

The message of Banned Books Week is more than the freedom to choose or the freedom to express one's opinion, even if that opinion might be considered unorthodox or unpopular. The essential message of Banned Books Week is the importance of ensuring the availability of those unorthodox or unpopular viewpoints to all who wish to read them.

The Bookstore will be displaying examples of books that have been banned in other places with the reasons given for their prohibition. There will be information available on censorship and constitutional rights.

Banned Books Week is co-sponsored by the American Booksellers Foundation for Free Expression, the American Library Association, the Association of American Publishers, the American Society of Journalists and Authors, and the Association of College Stores. It is also endorsed by the Center for the Book of the Library of Congress.

## The Place of Poetry



**Spring**  
The landscape and the people of Maine inspired these lines.  
We hope that this poster illustrates the richness of Maine's literary heritage and encourages all those who love Maine to create their own poems.

**Summer**  
The landscape and the people of Maine inspired these lines.  
We hope that this poster illustrates the richness of Maine's literary heritage and encourages all those who love Maine to create their own poems.

**Fall**  
The landscape and the people of Maine inspired these lines.  
We hope that this poster illustrates the richness of Maine's literary heritage and encourages all those who love Maine to create their own poems.

**Winter**  
The landscape and the people of Maine inspired these lines.  
We hope that this poster illustrates the richness of Maine's literary heritage and encourages all those who love Maine to create their own poems.

### Maine as "The Place of Poetry"

Generations of poets have been inspired by the landscape and people of Maine. Now a dynamic, four-color poster celebrates the natural poetry of the state as it is reflected and recorded in 27 Maine poems about the coast, mountains, woods and towns throughout the four seasons. Produced by the Maine Council for English Language Arts, an affiliate of the National Council of Teachers of English, the 20x26-inch poster features lines of poetry from such classic writers as Edna St. Vincent Millay, Robert Lowell and Henry David Thoreau, and some of Maine's outstanding contemporary poets. Many are members of the UMaine community, including Constance Hunting, Sylvester Pollet and Kathleen Lignell. The poster was edited by Marge Irvine and designed by MaJo Keleshian, whose original artwork of native flora is featured on the work. The Maine Council notes that it hopes the poster "illustrates the richness of Maine's literary heritage and encourages all those who love Maine to create their own poems." Council president is Virginia Nees-Hatlen. Posters are \$15.95, with proceeds benefiting the Council, and available by calling 800-801-1225.

### EMPLOYEE ASSISTANCE PROGRAM

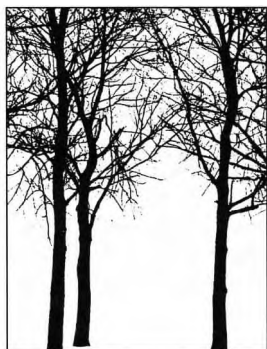
The Employee Assistance Program is at a new location. We have moved to 126 College Ave., which is on the corner of Chapel Road and College Avenue. The location is in front of our old building.

In addition, we are pleased to announce psychologist Jim Werrbach is with us on Thursday's from 8 a.m.- 4:30 p.m.

Call x4014 to arrange a free, confidential appointment.

The EAP offers UMaine employees and family members in their household up to three free sessions. If a referral is needed, clients are linked with community resources (therapists, counselors, lawyers, physicians, financial consultants, etc.) who have been screened.

The EAP complies with State and Federal Confidential Regulations. No information whatsoever can be disclosed without written consent unless otherwise provided for in these regulations (abuse to minors and the elderly, threat of harm to self and/or to others).



**Larry Latour**, associate professor of computer science, and **Wendy Curry**, graduate student, Computer Science Department, completed a six-month K-8 project: "Inquiry Based Learning Through Micro-World Exploration," with five teachers from the Orono School district and researchers from the MIT Media Lab. As part of the project, Mitchel Resnick, professor in the Media Lab Epistemology Group, visited the campus in February, giving a talk: "How Birds Flock and Traffic Jams: New Tools for Exploring Decentralized Systems," and Paula Hooper, Ph.D. student at the Media Lab and teacher at the Paige School in Boston, visited the campus in July and gave a full day workshop: "Microworlds Logo Across the K-6 Curriculum." The project team, led by Latour, Curry, and **Mary Evans**, teacher at the John R. Graham School in Veazie and graduate student in the College of Education, led a workshop: "Integrating Microworlds Logo into the K-8 Curriculum," at the Middle School Prism Conference in Rockland in May (WWW address: <http://www.umcs.maine.edu/~larry/microworlds/main.html>).

**Pushpa Gupta and Ramesh Gupta**, professors, Department of Mathematics and Statistics, attended the 50th Session of the International Statistical Institute held in Beijing, China, Aug. 21-29. P. Gupta presented a paper: "Ageing Characteristics of Weibull Mixtures," and R. Gupta presented: "Nonmonotonic Failure Rates and Mean Residual Life Functions."

**Max Egenhofer**, associate director of the National Center for Geographic Information and Analysis, associate professor in surveying engineering, and cooperating associate professor in computer science, gave an invited talk: "Object-oriented GIS: The Concepts," at the Simposio Geoprocessamento in São Paulo, Brazil, July 12-15. He also gave a talk at the Scientific Center of IBM Brazil in Rio de Janeiro: "Formal Models of Spatial Relations," and visited the Instituto Nacional de Pesquisas Espaciais (INPE) at São José dos Campos, where he gave a talk: "Cognitive and Formal Aspects of Spatial Reasoning."

**Daniel Harrison**, associate professor of wildlife ecology, **Thomas Hodgman**, research associate, **Kenneth Elowe**, Maine Department of Inland Fisheries and Wildlife, **Ted Chapin**, graduate student, and **Dave Phillips** and **Don Katnik**, former graduate students in wildlife ecology, attended the Second International Martes Symposium, Edmonton, Aug. 12-16, and presented the following papers: "Population Performance and Habitat Selection by American Marten: A Need to Reassess Accepted Paradigms and Conservation Practices," Harrison, Phillips, Chapin, Katnik, Hodgman; "Marten Use of Residual Stands in an Industrial Forest Landscape in Maine," Chapin, Harrison; "Survival of Marten in an Untrapped Forest Preserve in Maine," Hodgman, Harrison, Phillips, Elowe; "Seasonal Changes in Density, Range Area, and Range Fidelity of American Marten in a Forest Preserve," Phillips and Harrison.

**Naomi Jacobs**, associate professor of English, spoke on: "Home as a Utopian Fantasy," in a panel discussion sponsored by the Maine Humanities Council at the Danforth Gallery, Portland, Sept. 17. The panel was offered in conjunction with a group show: *The Spirit of Home*.

Professor **Michael Lewis**, Art Department, has donated a recent painting: *Prayer for Peace #2*, to the American Heart Association, Maine Affiliate, for their Maine Art Auction, which will take place on Sunday, Oct. 15. Funds raised go to support cardiovascular research and community education programs.

**John Moring**, professor of zoology, presented a poster paper: "The Early Culture of Atlantic Salmon in Maine, 1871-1900," at the Annual Meeting of the American Fisheries Society, Tampa, Aug. 30. Moring also gave a talk on fisheries research to the Swan Lake Association, Searsport, Sept. 11.

**Stuart Bruchey**, Libra Professor of History and professor of economics, attended the recent meetings of the International Congress of Historical Sciences in Montreal. As co-president of the International Commission on the History of Social

Movements and Social Structures, one of the member organizations of the Congress, Bruchey presided over the discussion of the Commission's next research theme. That theme, "the role of violence in the formation, consolidation, and dissolution of social movements," will be studied by leading scholars in the 28 countries represented in the Commission. Their findings will then be presented at the next meeting of the Congress, in Oslo, Norway in the year 2000.

Professor **Jayendran Rasaiah**, Chemistry Department, presented a paper: "Coexistence in Ferrofluids: The Role of Attractive Forces," at the 210th American Chemical Society National meeting in Chicago, Aug. 20-24. The paper was co-authored by Girija Dubey, Hunter College, New York.

## Oral Exams

"Town Line Retracement in the State of Maine," by Susan Libby, candidate for master's degree in spatial information engineering and science, 9 a.m., Sept. 27, 136 Boardman Hall.

"Effect of Cold Acclimation on Ca<sup>2+</sup>-ATPase Activity and Ultrastructure of Sarcoplasmic Reticulum in White Muscle of Striped Bass (*Morone saxatilis*)," by William Riemenschneider, candidate for master's degree, noon, Oct. 2, 106 Murray Hall.

"Abrupt Late Quaternary Climate Changes and Seasonality Variations in the Eastern North Atlantic Ocean," by Ingrid Lagerklint, candidate for master's degree in quaternary studies, 10 a.m., Oct. 4, 326 Boardman Hall.

"The Influence of Parental Hypertension and Experimenter Proximity on Memory Search Performance by Young Normotensive Adults," by Patrick Keohane, candidate for Ph.D. in psychology, 1:10 p.m., Oct. 20, MEE Room, Little Hall.

### INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

The Institutional Animal Care and Use Committee (IACUC) would like to remind investigators/instructors that no research, teaching, or testing activities using live vertebrate animals shall be initiated until the IACUC has approved a protocol for such use. Listed below are the due dates for receipt of applications for approval and the actual meeting dates for the fall semester. Protocol review forms and copies of the University's Policy and Procedures for the Humane Care and Use of Animals are available from Gayle Anderson, Office of Research and Sponsored Programs, 424 Corbett Hall, x1498.

Applications Due  
Oct. 9  
Nov. 6  
Dec. 1

IACUC Meeting Dates  
Oct. 23  
Nov. 20  
Dec. 11





Members of the Corporate Affiliate Program Human Resources Subcommittee are, left to right, Patricia Counihan, James Toner, Bruce Stinson, Guvenc Alpander, Brenda Cook (seated), Kathy Hunt, and John Hanson. Not pictured are Judi Bailey, Steve Ballard, Karen Boucias, Mary Bowie, Bob Holmes, Polly Karris, Gordon Kulberg, Dale MacDonald and Lu Zeph.



Members of the Corporate Affiliate Program Research and Development Subcommittee are, left to right, Scott Delcourt, Jeremy Johnson, Jake Ward, Charles Tarr, Kim Amato, Virginia Gibson and John Alexander. Not pictured are Elaine Albright, Dagmar Cronn and Bruce Wiersma.

Photos by Tim Boyd

## Corporate Affiliate *continued from page 1*

Program provides more of a platform for productively working with industry by drawing on the expertise on campus."

Annually, the University works with more than 2,000 companies nationwide and in Maine. The Corporate Affiliate Program, with support from the offices of Academic Affairs and Research and Public Service, is building on the strength of such involvement that has been ever-increasing over the past decade.

A major impetus in the program's growth came from the leadership of Ralph Martin, chair of the Corporate Relations Committee of the President's Development Council, Cook says. The retired president of Raytheon Europe had had experiences with similar programs at other research institutions, and his insight proved invaluable in moving the University of Maine's Corporate Affiliate Program forward, she says.

In this, its pilot year, the top executives, and the human resource and R&D managers of 30 predominately Maine-based companies were tapped to work with UMaine; by January 1996, the number of participating corporations is expected to double. Research and training expertise comes from members of the University community found in all seven UMaine colleges, the Graduate School and Cultural and Library Services. Public service projects, R&D and faculty consulting contracts, use of UMaine facilities, and access to the institution's general knowledge and support base are facilitated through the Corporate Affiliate Program. Collaboration by units on campus yield creative programming for the participants.

"It is an initial effort to determine their needs, how they relate to the expertise found at this institution and how we can learn from them, including their ideas on recruitment, training and particular curriculum needs," says Cook. "The University is one of the two largest employers in Greater Bangor, and many of the same issues industry has are found here. It is through such a partnership that Maine's corporate world will know our needs and interests, and where they align with theirs. Some of our units are attractive because of the unique nature of their research, while other members of the corporate community see the importance of our resource bases dovetailing."

Last spring, a forum led by the College of Business Administration began bringing CEOs in the Corporate Affiliate

## Pilot Corporate Affiliate Program Participants

ABB Environmental Services Inc.	International Paper Co.
Bangor Hydro-Electric Co.	Irving Oil Corp.
Bangor Publishing Co.	Irving Tanning Co.
Bangor Savings Bank	Lockheed Martin Corp.
Bath Iron Works Corp.	Loring, Short & Harmon
N.H. Bragg & Sons	Maine Yankee Atomic Power Co.
Central Maine Power Co.	MBNA New England
Champion International Corp.	National Semiconductor Corp.
Cianbro Corp.	NYNEX-Maine
Eastern Maine Healthcare	H.E. Sargent Inc.
Fleet Bank of Maine	Sawyer Environmental Services
FMC Corp./Food Ingredients Div.	SCI Systems Inc.
General Electric Co.	Seven Islands Land Co.
Great Northern Paper Inc.	UNUM Corp.
IDEXX Laboratories Inc.	Webber Oil Co.

Program together to learn more about the resources and expertise available at the University. The goal is to develop a clearer understanding of the strategic concerns of Maine's corporate employers in staying competitive, and to determine how University resources can help companies in the state address these concerns.

This fall, forums on human resource management, and research and development issues, will bring members of Maine's corporate community to campus. Human Resource Manager Forums, such as this fall's organized with the assistance of the Margaret Chase Smith Center, are aimed at improving the quality of access to programs, as well as the level and type of interaction between human resource personnel. Issues include information technology advances, preparations needed for future business graduates, the Americans with Disabilities Act and diversity. For R&D managers, this fall's forum will focus on models of connectivity, legal and policy issues, and marketing opportunities for business on the Internet.

"For some companies, this a resource that was not available to them before," Cook says. "We all have a common underlying concern for the future – the quality of the people who make up our workforce. Companies in general are very interested in education and what a difference it can make. ▲



Maine Perspective classified ads are published weekly and 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. Ads must be received by 9 a.m. the Friday before they are to appear in the next week's issue.

#### FOR SALE

**AUTOMOBILE:** 1984 Ford Tempo. White, 2-door, standard, new tires. Runs good, starts good in the winter months, many new parts, AM/FM/cassette stereo. \$450 or BO. Call 884-7340.

**AUTOMOBILE:** 1985 VW Quantum wagon. Runs good. \$325; with aluminum sport wheels, \$475. Call 884-8493.

**AUTOMOBILE:** Black 1986 Nissan Pulsar. AM/FM cassette radio, 5-speed manual transmission, sunroof and air conditioning. Asking \$2,500. Call 866-4408 for more details.

**AUTOMOBILE:** 1989 Subaru DL Wagon, one owner, 74K, looks good and runs good, dependable and economical. Call 866-2656.

**AUTOMOBILE:** 1989 Chevrolet Celebrity Eurosport 4-door sedan. Loaded. AM/FM stereo cassette, power windows, door locks, trunk, air, cruise, tilt wheel. New tires, brake job, exhaust system in last 15 months. Excellent condition has been well-maintained. One owner vehicle. 78K—\$4,500. Call 827-2612.

**CAMPING TRAILER:** 1977 Atco trailer, 19 foot - double axle with lots of room inside. Sleeps 6 comfortably. Has 4 new tires, bathroom/shower/sink, kitchen sinks, stove, oven, fridge, and antenna. Plenty of cupboard space. Awning attached outside. \$2,800 or best offer. Call 884-7340 and leave a message.

**COMPUTER:** 386, 80MB HD, 4MB RAM, 5 1/4" and 3 1/2" drives, VGA color monitor, mouse, keyboard and software. \$500 or best offer. Optional printer. Call x2795.

**COMPUTER:** IBM 286 with color monitor, 3 1/2" floppy, software included. \$250. Call 866-3851.

**DRUM KIT:** Purchased through Coastal Music for grade school music lessons. \$50. Call 827-3773, leave message.

**HOUSE:** Charming Cape, 4 bedrooms, 1 3/4 baths, deep lot (115'x175') in a

Milford subdivision. Custom decor, storage under eaves, woodstove, modern kerosene hot water and heating system. New 2-car garage 28'x24', \$99,900. Call Will or Lee, 947-6788.

**HOUSE:** Orono, 3-bedroom ranch with attached 2-car garage, large backyard with garden and attached deck. New furnace, 13 new Contained windows. On quiet, dead-end street, 5-minute walk to campus. For sale, \$78,900. Call 410-647-8268.

**HOUSE:** For rent with option to buy. Split-level with 2 large bedrooms. Heated 2-bay garage, baseboard heat, 8 years old. Located 2/10 mile into Bucksport from Orrington. \$650/month plus security deposit and utilities. Call Phil, 827-2184.

**MOBILE HOME:** 1973 Newport LeGrande. 3 bedrooms, 1 1/2 baths, stove, refrigerator, washer/dryer. Quality construction. Pitched roof. Large lot in adult section in Bangor park. Price reduced. Asking \$10,000. Possible owner financing for qualified buyer. Call 866-4542, and leave a message.

**TELEPHONE SYSTEM:** Merlin system. Excellent for small business or large home. 6 phones with intercom and 5-line capacity; jacks, wiring; and control unit with capacity for 10 phones. Call Betty: 255-3345 (day) or 255-8122 (evening). Retail \$2,500; now \$600 or BO.

#### FOR RENT

**APARTMENT:** Located near Bangor Mall, 2-BR unfurnished apartment, off-street parking, washer/dryer hook-up, large storage area, nice neighborhood. \$475/month covers rent, heat and hot water. References and security deposit required. Call 884-7143.

**APARTMENT:** Probably the nicest apartment in the Orono area. Perfect for new professional. The apartment is the second floor of a home at 40 Bennoch Road. The apartment has two bedrooms, two baths, new reversible windows, hardwood floors, fireplace, new kitchen, dishwasher, washer/dryer, oak cabinets, and an inside wall fireplace. Approx. 2 miles to campus. Off-street parking for two cars. Snow removal and grass cutting are covered in rent. Garden space is available. Tenant pays for water, sewer, electric and heat. No pets. Apartment could be available as early as the end of October, but preferably middle November. Rent is approx. \$700/month. Call John, 827-2926.

**APARTMENT:** Attractive 1-bedroom located in Old Town. Mature person or couple preferred. No pets. \$350/month plus utilities. Security deposit and references required. Call 827-2308.

**DUPLEX:** Old Town, 5-BR, washer/dryer hookup. Quiet. Parking limited: 2 vehicles. No pets. Lease. Security deposit. \$500/month + heat and elec.. Call 827-6354

**HOUSE:** Two-bedroom, furnished, winterized camp on Old Town side of Pushaw Lake. 20-minute drive to campus. Washer/dryer. Avail. Jan. 15-Aug. 15. \$500/month plus utilities. Security deposit required. Call 827-0522.

**HOUSE:** Year-round furnished 2-BR house (couple preferred). Old Town Landing, Pushaw Lake, 6 miles from intersection of Bennoch Road and Stillwater Ave. \$350/month, plus utilities. Security deposit required. Call 827-4684 /827-8312.

**WINTER VACATION HOME:** 2 BR, 2 baths, waterfront cabana in Puerto Rico. Lovely beach, pools and tennis. Perfect weather. Call 942-1305 eves.

#### WANTED

**ROOMMATE(S) :** 1-2 male roommates needed for a 2-BR apartment in Stillwater Village Apts. No pets. 10-15 min. walk to

campus. Deposit \$175. Rent \$137 (2 men) or \$210 (1 man) includes heating. Call Sunda, 866-3234, or Rajesh, x3942.

**WINTER RENTAL:** Responsible graduate student at the University of Maine looking for a one-bedroom winterized camp/cottage on a lake. Please call Stephanie at 244-7361, evenings.

#### SERVICES

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

## 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.*

#### Department of Athletics

##### Senior Associate Director of Athletics/Fiscal and Administrative Affairs.

Full-time, fiscal-year appointment with some travel. Qualifications: Bachelor's degree and a flexible schedule required. Master's degree preferred. Demonstrated successful experience in intercollegiate athletics administration, knowledge of NCAA rules and regulations, knowledge and experience in TQM, goal setting and annual staff evaluation desired.

**Assistant Director of Athletics/Development.** Full-time, fiscal-year appointment with some travel. Qualifications: Bachelor's degree, a flexible schedule, and a valid driver's license required. Master's degree preferred. Demonstrated successful experience in annual and capital gift fund-raising for a multi-gender and multi-culture program and knowledge of NCAA rules and regulations desired.

Deadline for Applications (for both): 10/9/95. Contact (for both): Suzanne Tyler, Director of Athletics, 5747 Memorial Gym, Orono, ME 04469-5747.

**Postdoctoral Fellowship, Department of Oceanography.** One-year appointment with subsequent funding possible. Qualifications: Experience with sedimentary biogeochemistry, benthic ecology, or digestive physiology is necessary. Must exhibit written and interpersonal skills necessary for participation in multi-investigator lab, including bringing results to publication. Salary Range: \$25,000-\$28,000. Deadline for Applications: 10/10/95. Contact: Lawrence Mayer, Darling Marine Center, Clark's Cove, University of Maine, Walpole, ME 04573 (LMayer@maine.maine.edu).

**Staff Auditor, University of Maine System, Department of Internal Audit.** Full-time regular professional position in Bangor. Qualifications: Bachelor's degree preferably in accounting, auditing, or business administration. Possession of a professional qualification such as CFE, CIA, CISA, or CPA is desirable. Good communication skills, both written and oral, are required. Personal computer experience is essential. Salary Range: Mid-twenties and depends on experience and other qualifications. Review of Applications: Will begin 9/25/95 with a starting date of 11/27/95. Contact: Carole Berry, University of Maine System, Office of Human Resources, 107 Maine Ave., Bangor, ME 04401-4380.

*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.*

## Hollander *continued from page 2*

recipient who never attended college, such endeavors aren't out of the ordinary. Hollander says his life has been dedicated to creating curricula intended to help people maximize their abilities. "The most important, the most godly work is to help people realize their full potential," he says.

He defines as illness anything that obstructs that process. Yet all too often, in his view, that is the case: People, more concerned about pleasing authority than with revealing their true natures, submerge their true selves in favor of presenting a false persona to the world. In Hollander's philosophy, suppressing the self stifles the creative potential.

One place where that occurs, says Hollander, is in the schools, as young children are asked to conform. His primary focus has been on questions of education — how creativity is stifled and nurtured in early childhood; and how teachers, whom he believes are undervalued and underpaid, through their own self-knowledge can inspire creativity in their students.

But when a society urges its members to realize their own potential, its own structure is threatened. Any danger that presents, says Hollander, can be counteracted through self-understanding and greater clarity, and by following "an ethical and loving approach with those with whom we come in contact." Religious leaders and philosophers throughout history offer useful models, he says.

Hollander also sees the world as becoming overspecialized, something he believes can be corrected through study of the arts and the humanities. UMaine's efforts toward recognizing the shared creative processes across the disciplines, he says, can have a unifying effect on a diverse faculty. "The arts and humanities serve really as a metaphor for all of human endeavor," he says.

Pointing to a rapidly changing world where today's eighth-graders are facing careers that have yet to be invented, Hollander suggests preparing for the future not by mastering just one field, but also seeing its connections with others. And he suggests that with shrinking government involvement, the private sector will have to recognize the importance of the arts and assume more of

## Clerical Forum *continued from page 2*

"This is an open opportunity to get involved in the issues. We want to give members of the clerical staff a change to tell their stories," says Barker. "Then we'll be brainstorming the next steps as to where we go from here with problem solving. We will take the stories, identify commonalities throughout them, and look at what our campus has the power to change."

While the issues to be addressed next month will be dictated by what comes forward in the testimony, Sharon notes that there are focal points that the Support Staff Committee has already identified. They include the operating "guidelines" under which clerical staff work, but which are considered formal or informal operating procedures, depending on the supervisor for whom the support staff member works. Such flexibility or inflexibility regarding support staff in offices across campus then impacts on such facets of a clerical employee's life as pursuit of a college degree, professional development, and equality.

"It has to do with just talking to one another so we can analyze the concerns from an institutional perspective and look at how the institution can move forward," says Barker.

Anyone interested in taking part in the forum next month is encouraged to contact Sandy Butler, chair of the Trustee Committee of the Women's Resource Center Advisory Board, x2382. Statements will be limited to five minutes; comments also may be submitted anonymously for presentation at the forum. ▲

the burden of keeping them alive in society.

In the interpretations of the human experience that the arts provide are the answers to society's questions.

"Anything of the mind that is not imbued with the heart and soul is useless," he says. "It is not only useless, it is dangerous." ▲

**Send notices of campus events and any fall schedules to  
Maine Perspective for inclusion in the UMaine Calendar.**

## Industrial Cooperation *continued from page 8*

Ward says. "Are they having problems with their process? Do they need employees with special skills? It's better to learn what their process is and where they may need assistance and then suggest that we have someone among the faculty who can help them."

While projects done through DIC are on a fee-for-service basis, some activities can be done without money changing hands. Sometimes the solution may be simply taking job applications for posting in UMaine's Engineering or Computer Science departments, or networking companies to other service providers in the state. "We need to charge for services which benefit our clients, but we don't need to turn a buck for everything we do," Ward adds.

"I don't have a single, straightforward approach for every situation, but there's such a diversity of businesses and people out there, there may not be a better way to do it."

Amid news of plant closings and flat economic trends, Ward's job puts him in touch with what he calls the "bright stars" of Maine's economy. "There are some very energetic, aggressive companies out there. They're growing 20 percent to 30 percent a year and employing hundreds of people. Examples are IDEXX Labs of Westbrook and Brunswick Technologies, Inc."

Some of these companies are using advanced manufacturing techniques, he says, with new composite materials. "In some cases, these materials were developed for aerospace and defense applications, but the quantities were small and the prices huge. To make the transition to high volume and low prices, new applications have to be developed."

To promote these and other initiatives, DIC is increasing its cooperative relationships with Maine's businesses. In fact, guidelines for federal research and development grants often promote or require partnerships between academic institutions and commercial businesses.

"That's been a roadblock for some," says Ward, "but I scan the requests for proposals for new technology grants and ask myself, 'is there a marriage here?' We continually seek ways for businesses and the University to work together."

For example, DIC is currently working with the Maine Science and Technology Foundation on a technology commercialization study for timber bridges and composite materials. Ward is also encouraging private sector collaboration with the University for the next round of NSF EPSCoR grants.

With one foot in Maine's business sector and the other on the UMaine campus, Ward clearly enjoys his role as a matchmaker. Perhaps like all good brokers, he appreciates a good marriage.

"I like to see satisfied clients and to see the University benefit from these partnerships. I'd like us to expand into new markets as long as they make sense and don't compromise the University's primary mission," he says. "Companies are forming new alliances. State agencies are promoting marketing opportunities. When we should be, the University will be at the table." ▲



**U.S. Department of Education** supports research in the education of individuals with disabilities. Deadline for field-initiated studies: Nov. 17. The Department also requests proposals to examine alternatives for assessing results in children with disabilities. Deadline for this special competition: Jan. 5.

**American Heart Association, Maine Affiliate** awards Beginning and Standard Grants-in-Aid and Maine Heart Investigatorships in support of cardiovascular research projects. Deadline: Dec. 1.

**Social Science Research Council Fellowships for Under-represented Disciplines in Middle East Studies** support 2-9 months at an American Overseas Research Center for collaborative research, fieldwork, language training, and/or advanced study in the problems of the discipline (demography, economics, fine arts, geography, linguistics, philosophy, psychology, or sociology) as they apply to the Middle East. Deadline: Dec. 1.

**German-American Academic Council Foundation** makes matching grants of up to \$60,000 in support of collaboration between German and

American scholars engaged in research in the humanities and social sciences. Projects related to problems in the natural sciences and engineering have priority. Deadline: Dec. 15.

**North Atlantic Treaty Organization Science Committee** has identified priorities common to NATO and its Cooperation Partners in Central and Eastern Europe and Central Asia, defining objectives and areas of interest in disarmament technologies, environmental security, high technology, science and technology policy, and computer networking. Several grant mechanisms support collaboration between NATO and CP scientists in priority areas.

**National Institutes of Health** invite proposals for research to expand the conceptual and experimental basis of metabolic engineering. Basic research that contributes to understanding of the integration and control of the genetic, catalytic, and transport processes that comprise metabolism is encouraged, as is research to create techniques facilitating the exploitation of metabolic processes for biomedical purposes.

**FOR MORE INFORMATION, CALL RESEARCH & SPONSORED PROGRAMS, X1476.**

## International Programs Office

### Russian Awards Program

The UMaine Office of International Programs has received four grants for 1995-96 by the U.S. Information Agency (USIA) awarded to American universities for support of students recruited from Russia. The Office submitted to the USIA a proposal for grant funding to sponsor four undergraduate applicants recruited and selected from the cities of Ukvita and Syktyvkar in Russia.

A 'top-up' program sponsored by the USIA provides grants of \$10,000 per year per student to U.S. institutions on behalf of students recruited and selected for admission.

U.S. universities are responsible for the recruitment, selection, admission, financial aid, and nomination of students for the 'top-up' programs. Grants were awarded to the successful U.S. universities, which administer the funds on behalf of the student. Selection committees reviewed all applications according to guidelines set by USIA.

Awards were given to universities who successfully recruited degree-seeking students who are looking to develop skills and knowledge useful in building democratic structures and free market economies in their home countries, rather than pursue lengthy academic training or residence in the U.S. Students are expected to return home upon completion of their degree.

The four students receiving the Russian grants join the four grant recipients from the Baltic/East Central European Program in pursuing their education at the University of Maine.

For more information about the Baltic/East Central European Grant and the Russian Grant please contact the campus coordinator, Holly Chase, Office of International Program, 100 Winslow Hall, x2905.

### 5TH ANNUAL DOROTHY CLARKE WILSON PEACE ESSAY AWARD

The Dorothy Clarke Wilson Peace Essay Committee invites participants to address this year's topic: "Picturing Peace: The Next 50 Years," within any of the following contexts: personal, social, campus, national, global, or universal. All undergraduate students currently enrolled at the University of Maine are eligible for the competition. Previous winners are not eligible. Submissions are due by Friday, Oct. 13. Send to: The Dorothy Clarke Wilson Peace Essay Committee, Wilson Center, 67 College Ave.

### STUDENT ACADEMIC CONFERENCE TRAVEL FUND

The Student Academic Conference Travel Fund serves undergraduates who need financial assistance for travel to academic meetings/conferences. Applications must be submitted to the Office of Academic Affairs, 209 Alumni Hall, by Wednesday, Oct. 4. Money will be awarded for travel taking place between Oct. 5 and Feb. 7. Applications can be obtained from Joan Day, Office of Academic Affairs, or by calling x1547.

Maine Perspective

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What's Ahead

FALL BREAK  
October 7-10