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Maine Perspective

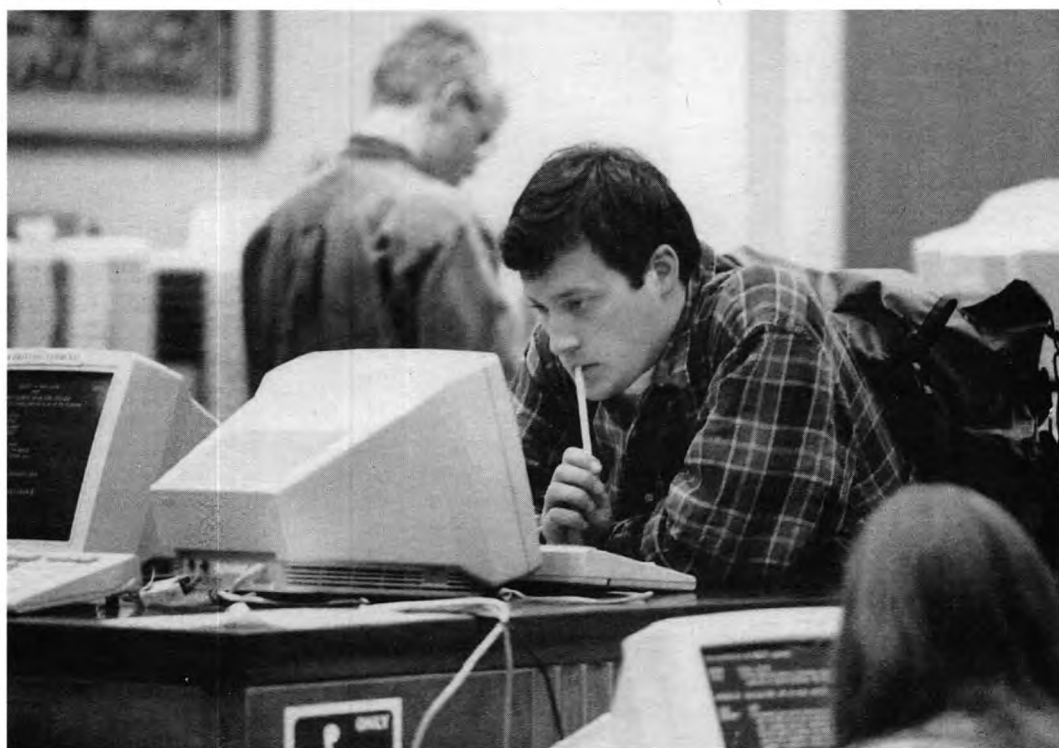


Photo by Tim Boyd

Top Faculty Honors Presented at Convocation

Four of the University of Maine's most prestigious faculty awards were presented earlier this week at the annual Academic Honors Convocation. The 1995 Distinguished Maine Professor Award, sponsored by the University of Maine General Alumni Association, was presented to Habib Dagher, associate professor of civil engineering. It is the second consecutive year that the Distinguished Maine Professor heralded from the Department of Civil and Environmental Engineering. Last year's recipient was Dana Humphrey, associate professor of civil engineering.

The Presidential Outstanding Teaching Award was presented to Barbara Cole, associate professor of chemistry. The Presidential Public Service Achievement Award was presented to James Breece, associate professor of economics and associate dean of the College of Social and Behavioral Sciences, and the recipient of the Presidential Research and Creative Achievement Award is Erdogan Kiran, the Gottesman Research Professor of Chemical Engineering.

In announcing the Distinguished Maine Professor recipient, William Skoolicas, UMaine Class of '80 and vice chair of the General Alumni Association, noted that Dagher is "not only a brilliant teacher and researcher, he is also one of the University's most effective ambassadors of goodwill. His work epitomizes the very mission of a land grant institution, interweaving undergraduate teaching with applied research and service to the people of Maine." Dagher was cited for his dedication to students, which extends beyond the classroom. In his 10 years at UMaine, he has performed

groundbreaking research with steel and concrete materials, and has helped revive the use of timber in construction. Some of his research making national headlines has involved timber bridges and a new composite material known as fiber-wood.

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Education-Employment Link Important for High School Students

The skills and attitudes necessary for success in the real world of work don't suddenly appear when a student graduates from high school.

They should be shaped early, and the classroom teacher is an essential player in helping young people make the school-to-work connection, says a University of Maine professor. That's also the sentiment expressed in a recent four-county survey seeking opinions on what students should learn before graduating from high school.

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In Perspective

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

Dunn-Corbett Landscaping Being Designed by Students

The courtyard shared by the recently renovated Dunn and Corbett Halls will have a new look in coming months, incorporating the most dynamic elements designed by three teams of some of the most talented UMaine landscape horticulturists.

Ten students in the senior landscape design problems class have worked with the UMaine Office of Institutional Planning since January to draw up three prospective plans for the natural renovation of the outdoor quad. Landscaping for the area was included in the buildings' renovation budgets, and is considered an important element in the functionality of the area, where many of the University's units serving external constituents are now located, in addition to academic offices and classrooms.

"A goal was to make the area a welcoming, inviting entrance for visitors, faculty and students," Wihry says. "The student landscape designers also had to address problems such as how to encourage smokers to leave the front entrance areas of the buildings, how to invite people into an area that presently is pretty barren, how to make it an enjoyable place for the nearby building occupants when they're not in their offices, and how it could become a location for alumni and graduation activities.

"One of the big problems the students addressed well with landscape design was how to control the incursion of vehicles into pedestrian areas using plantings and hardscape – physical features like curbing to significantly improve safety," Wihry says. "Led by faculty who are practicing professionals with a great deal of expertise, the students have done a superb job of design. Students don't always have the same level of experience and sophistication that professionals develop over time, but they do have familiarity with the environment, a better understanding of campus needs, incredible energy and dedication to researching and finding solutions."

The project involved "the complete design process" – from interviewing those who will use the area to considering handicapped accessibility and the children who may frequent the site, according to Brad Libby, a landscape horticulture senior graduating in December. "Every good design goes through this process, but the more people there are involved, the more ramifications and complexities there are according to their needs. Beyond a planting plan, the pedestrian traffic and parking lot were loops we didn't expect, but made the project a valuable experience. When we were

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Landscape horticulture seniors who helped design the Dunn-Corbett quad are, left to right, Sally Dunphy, Jennifer MacWilliams, Ginny Leonard, Melissa MacWilliams, Corey Walker (standing), Beth Foglio with Associate Professor of Landscape Architecture Bill Mitchell (standing), Susan Landry, Matt O'Neal, Jennifer Boyne and Brad Libby.

Photo by Tim Boyd



A partnership between two regions joined by a common heritage was further cemented last week when four representatives from the University of Angers in Western France paid a visit to the University of Maine that culminated in the signing of an agreement between the two by UMaine President Fred Hutchinson and Jacques Louail, first vice president at the University of Angers, on behalf of Pierre Jallet, the French institution's president. The agreement formalizes the institutions' mutual desire to cooperate on developing academic and cultural exchanges involving faculty, professional and support staff and students, and conducting joint research, cultural programs and community programs. A reception at the French Island Community Center on the evening of the delegation's arrival, hosted by current and former residents of that Old Town neighborhood who have collected oral histories of Franco-Americans who grew up there, made the cultural connection. It brought together the local people together with the delegation, whose live in the region of France that is the ancestral homeland of many of Maine's Franco-Americans. The UAngers delegation also met with Gov. Angus King and attended a series of receptions.

Photo by Tim Boyd

There is one issue of *Maine Perspective* remaining this semester. *Maine Perspective* will be published monthly during the summer, and return to weekly publication with the start of the next academic year. If you have news or information to be included, please send it to *Maine Perspective*, e-mail nagle@maine, fax x3776, or call x3745.

Maine Perspective

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University of
Maine

UMaine Calendar

MAY 1-13

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.

1 Monday

"Modelling the Effects of Acidic Deposition Using MAGIC - a Model of Catchment-scale Hydrogeochemical Responses," by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 10 a.m., May 1, 101C Deering Hall. x3236.

"Area-sensitivity: Cause for Concern at the Population Level," by Tim Jones, part of the Wildlife Ecology Seminar Series, noon, May 1, 204 Nutting Hall. x2862.

"Identifiability, Sensitivity and Uncertainty - How Can We Assess and Express Confidence in Our Models?" by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 2 p.m., May 1, 101C Deering Hall. x3236.

College of Education Senior Project Poster Session, 4-6 p.m., May 1, Shibles Hall. x2441.

"The Mathematics of Emergent Systems," a Department of Computer Science Seminar by George Markowsky, 4:10 p.m., May 1, 115 Corbett Hall. x3940.

2 Tuesday

"TOPMODEL - a Topographically-based Model of Catchment Rainfall-Runoff Responses," by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 8 a.m., May 2, 101C Deering Hall. x3236.

"Welfare: Reality and Reform," by Suzanne Duval, community activist, Welfare recipient and City of Bangor employee; Judy Guay, Maine Association of Interdependent Neighborhoods; and Christine Hastedt, paralegal, Pine Tree Legal, Augusta, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., May 2, Bangor Lounge, Union. x1228.

"Nitrogen Deposition, Nitrogen Saturation and MERLIN - a Model of Ecosystem Retention and Loss of Inorganic Nitrogen," by Bernard Cosby, research associate professor, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 1:10 p.m., May 2, 101C Deering Hall. x3236.

3 Wednesday

"Modelling Catchment Acidification with MAGIC, a PC-based Model," a hands-on computer-based workshop by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 10 a.m., May 3, 111 Corbett Business Building. Preregistration required. x3236.

"Lowland Gorilla Ecology and Conservation in the Central African Republic," by Richard Carroll, director for West and Central Africa Programs of the World Wildlife Fund, U.S., part of the International Conservation Wildlife Series, noon, May 3, 204 Nutting Hall. x2862.

"Validation, Verification and Consistency - How Can Independent Data be Used in Testing Model Adequacy?" by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 3 p.m., May 3, 101C Deering Hall. x3236.

"Classifying Disk Intersections in the Plane: Applying Topology to Geographic Information Systems," a Department of Mathematics and Statistics Colloquium by Robert Franzosa, 3:10 p.m., May 3, 100 Neville Hall.

Baseball: UMaine vs. Providence, 7 p.m., May 3. Admission fee. xBEAR.

4 Thursday

"Modelling Nitrogen Cycling with MERLIN, a PC-based Model," a hands-on computer-based workshop by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 10 a.m., May 4, 111 Corbett Business Building. Preregistration required. x3236.

Association of Graduate Students Board Meeting, noon, May 4, Lown Rooms, Union. x4548.

5 Friday

"FATHOM - a Mass-balance Approach to Modelling the Salinity and Circulation of Shallow Coastal Lagoons," by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of

Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 10 a.m., May 5, 101C Deering Hall. x3236.

"Modelling Coastal Salinity and Circulation with FATHOM, a PC-based Model," a hands-on computer-based workshop by Bernard Cosby, research associate professor, Department of Environmental Sciences, University of Virginia and UMaine Libra Visiting Professor of Ecology and Environmental Science, 3 p.m., May 5, 111 Corbett Business Building. Preregistration required. x3236.

"Light Scattering from the Fog Phase: A New Type of Liquid," by Paul Keyes, part of the Department of Physics and Astronomy Colloquium series, 3:10 p.m., May 5, 140 Bennett Hall. x1039.

"Nematode Molecular Evolution," by Kelley Thomas, University of Missouri, part of the Department of Zoology and Migratory Fish Research Institute Seminar Series, 3:10 p.m., May 5, 102 Murray Hall. x2541.

Reception for the Hudson Museum exhibit: China: Exploring the Interior, 1903-04, featuring talks by Craig Dietrich, USM professor of history, and Robert Sargent, grandson of photographer R. Harvey Sargent, whose photos make up the exhibit, 3:30 p.m., May 5, Bodwell Area, Maine Center for the Arts. x1901.

Classes End May 5.

Baseball: UMaine vs. Husson, 7:30 p.m., May 5. Admission fee. xBEAR.

Performance by The Earthtones, 9 p.m., May 5, Wells Conference Center.

6 Saturday

Love & Renewal: Revitalizing Your Relationship, a workshop with Eric Aronson, Family Institute of Maine's Center for Training and Special Programs, offered by the Employee Assistance Program, 10 a.m.-4 p.m., May 6, Bangor Lounge, Union. Registration fee. x4014.

Baseball: UMaine vs. Colby, 1 p.m., May 6. Admission fee. xBEAR.

Performance by the Alvin Alley American Dance Theater, part of the Maine Center for the Arts performance season, 8 p.m., May 6, Hutchins Concert Hall. Admission fee. x1755.

Ongoing Events

Athletic Events/Recreation

Lattl Fitness Center, 6:15-10 p.m., Monday and Wednesday; 7 a.m.-10 p.m., Tuesday and Thursday; 6:15 a.m.-8 p.m., Friday; 10 a.m.-7 p.m., Saturday; 10 a.m.-9 p.m., Sunday. Admission fee. x1082.

Exhibits/Demonstrations/Tours

University Student Art Annual Exhibition, a Museum of Art exhibit, through May 3, Carnegie Hall. x3255.

Museums by Mail: Open Workshop, a Museum of Art exhibit, May 5-Aug. 4, Carnegie Gallery, Carnegie Hall. x3255.

Pine, Plum and Bamboo: The Arts of Stencils, a Museum of Art exhibit, through May 26, Hole in the Wall Gallery, Union. x3255.

"A" Is for Architecture, a Museum of Art exhibit, through June 11, Graphics Gallery, Union. x3255.

Marriage a la Mode: and other 18th Century Engravings by William Hogarth, a Museum of Art exhibit, through June 16, Hauck Auditorium Gallery, Union. x3255.

China: Exploring the Interior, 1903-04, a Hudson Museum exhibit, through June 25, Maine Center for the Arts. x1901.

Bound for Whampoa: Art and Artifacts of the Orient, a Hudson Museum exhibit, through June 25, Maine Center for the Arts. x1901.

Scroll Paintings of Xiong Zhi-Chun, a Hudson Museum exhibit, through June 25, Maine Center for the Arts. x1901.

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

Page Farm and Home Museum open Monday-Friday, 10 a.m.-2 p.m. x4100.

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

Lyle E. Littlefield Trial Ornamental Garden, display of more than 2,000 varieties of landscape plants, Rangeley Road.

Meetings of Groups/Organizations

PEAC meets the first Thursday of the month, noon, FFA Room, Union. x2456.

Interdisciplinary Training for Health Care for Rural Areas Brown Bag Lunch, open staff meetings held every three weeks (next meeting May 15), noon-1 p.m., Hamm Room, Union. x2591.

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

UMaine VOCALS meets every Monday, 7 p.m., Totman Lounge, Union. x6758.

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

Overeaters Anonymous meets every Wednesday, noon-1 p.m., Davis Room, Union.

AI-Anon meeting every Thursday, 11 a.m., Old Town Room, Union. 947-5855.

NTS Coffee Hour every Thursday, 3:15 p.m., Commuter Lounge, Union. x1734.

Prisoners of Gender, a gender discussion group, meets every Friday, 2:15 p.m., 1912 Room, Union. x3801.

International Students' Coffee Hour every Friday, 4 p.m., Damn Yankee. x2905.

Religious Worship

Newman Center/Our Lady of Wisdom Parish Weekly Liturgy: Sunday, 9:30 a.m. and 6:15 p.m., Newman Center, 11:15 p.m., Bangor Lounge, Union; Monday-Thursday, 4:45 p.m., Newman Center. Confessions every Sunday, 5:30 p.m., Newman Center. 866-2155.

Worship and Celebration at the Wilson Center, followed by a light supper of soup and bread, every Sunday, 5 p.m., 67 College Ave. 866-4227.

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

Get-together with Orono Campus Ministers, every Monday, Wednesday and Thursday, 11:30 a.m.-2 p.m., Memorial Room, Union. 866-4227.

Ecumenical Brown Bag, mid-day prayers followed by discussion of "living our faith questions," led by Rev. Deborah Adams, every Monday, 12:15-1 p.m., Memorial Room, Union. 866-4227.

A Bahá'í Fireside, every Tuesday, 7 p.m., Totman Lounge, Union. 581-7095.

"A Taste of Home," home-cooked meal prepared by local church members, Wilson Center, every Thursday, 5:30 p.m., 67 College Ave. \$2 donation. 866-4227.

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

Miscellaneous

Study Abroad Resource Room open 11 a.m.-noon and 1-3:30 p.m., Monday; 9-11 a.m. and 1-4:30 p.m., Tuesday; 11 a.m.-3 p.m., Wednesday; 9-11 a.m. and 12:30-4 p.m., Thursday; and noon-2:30 p.m., Friday, third floor, The Maples.

The Body Shop, a student-run business offering a variety of personal care products for sale, sponsored by the UMaine chapter of the American Marketing Association, every Monday and Thursday, 9 a.m.-3 p.m., Union. 866-7105.

Maynard F. Jordan Observatory open 8-10 p.m. Fridays, Saturdays and Sundays when skies are clear. x1341.

Orono Farmers' Market, every Saturday and Tuesday, 7 a.m.-5 p.m., May 20-Oct. 31, Steam Plant parking lot. 866-4784.

7 Sunday

Baseball: UMaine vs. Delaware, noon, May 7. Admission fee. xBEAR.

Maine AIDS Walk '95, one of two walk sites starting points is the Onward Building beginning at 1 p.m., May 7, offered by the Maine AIDS Alliance. Preregister. For information, call Dennis Cranson, 990-3626.

University Community Invited to
SPRING TEA

AT THE WILSON CENTER

3-5 p.m., Sunday, May 7

Friends of the Wilson Center and the late Elizabeth A. Morris will be gathering for:

▼ A formal presentation of the Elizabeth A. Morris Estate to the Wilson Center

▼ The presentation of the first Annual Elizabeth A. Morris Peace Maker Awards

▼ Introduction of SCOPE Leaders to the community

A sharing circle of remembrance and release will be held immediately following the Tea.

For more information, call the Center, 866-4227.

8 Monday

Finals Begin May 8.

12 Friday

Graduate School Recognition Ceremony, 4-6 p.m., May 12, Maine Center for the Arts, with reception following in the Damn Yankee.

School of Nursing Pinning Ceremony, 7 p.m., May 12, Hutchins Concert Hall, with reception to follow in Wells Conference Center. x2592.

Finals End May 12.

13 Saturday

ROTC Commissioning May 13.

Commencement May 13.

Fourth-graders, UMaine Education Majors Become Keypals



UMaine Education Major Tamara Poland, above, and Asa Adams Fourth Grader Jody Pangburn, right, are keypals.



University of Maine students in an elementary education course on teaching reading and language arts this semester have been learning how the writing process works from some of the best teachers – fourth graders. Those same fourth graders at Asa Adams School in Orono have been seeking to hone their computer skills, and found willing recipients of their e-mail in the UMaine students.

In today's technological age, traditional penpals have turned into keypals, and their delivery system is the Internet.

The Keypals program in the College of Education is the brainchild of Joyce Salvage, a doctoral student in the literacy program and a teaching assistant in ERL313 and 318, and Gail Garthwait, the Asa Adams school librarian. As a means of integrating technology with language arts, the Keypals matched UMaine undergraduate education students with Asa Adams children in Wyoma Grieve's fourth grade. With the help of Jim Chiavacci, assistant professor of education, the Shibles Hall computer cluster was linked via modems to the computer lab off the Asa Adams library.

"It came together as a collaborative effort," says Salvage, a former special education teacher at Asa Adams. "Rather than just working in the classroom, we wanted the University students to have a broader perspective in their 25 hours of field experience. What we found were University students not only learning lessons about reading and writing, but also about the importance of technology in education."

The UMaine course involved 26 juniors and seniors. "Most were not comfortable with the computer, and only a few had been using computers regularly for word processing," says Salvage.

"One of the most valuable parts of this experience was in developing awareness of where technology is, where these University students are and how much they need to catch up. For the most part, the fourth graders were more experienced on the computer. When they were made aware of that, the UMaine students were glad to have the fourth graders show them things. Now they're excited about the technology and many are registering for the Computers in Education course," she says.

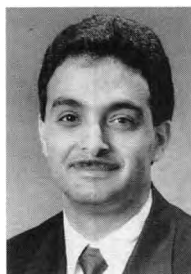
The success of the Keypals project is demonstrated, in part, in the motivation of both groups of students. "They're disappointed when they don't get mail," Salvage says. "The University students are learning how kids write, because the kinds of messages they get are not always what they expect. In addition, we've found that students who usually hate to write or are shy in face-to-face communication are enjoying being keypals. And girls are stepping up to take a leadership role, which isn't often the case when it comes to technology."

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Top Faculty Honors *continued from page 1*

Presidential Outstanding Teaching Award recipient Barbara Cole joined the faculty in 1986 and "quickly established a reputation as one of the finest teachers on the campus," noted Judson Sheridan, vice president for Academic Affairs, in presenting her award. "She is recognized as a thorough and rigorous lecturer with great concern for the academic progress of every student. She is highly effective in the especially challenging arena of the large class sections of General Chemistry." Cole has introduced a new course for non-science majors, Chemistry in Everyday Living, and established the program in Wood Chemistry with courses that have been enthusiastically received and research with international visibility. Her studies on new approaches to solving the problem of photochemical discoloration of paper are "highly relevant and economically significant for Maine industry."

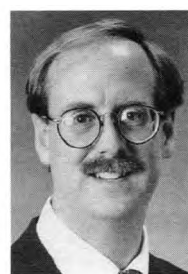
In presenting the Presidential Public Service Achievement Award, Vice President for Research and Public Service Judith Bailey noted that Jim Breece's career at UMaine "demonstrates the land grant ideal of combining fine teaching and scholarship with service to the public. His outstanding work over the past decade has contributed significantly to economic forecasting and economic policy development in the State of Maine and in the New England region." Breece is the creator of the New England Electronic Economic Data Center, which provides dial-up and Internet access to a wealth of data on the regional economy. The Center has served hundreds of private and public sector users regionally, nationally and internationally. In addition, Breece is in



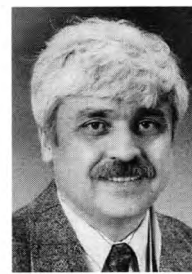
Habib Dagher



Barbara Cole



James Breece



Erdogan Kiran

his third year of service on the five-member State Revenue Forecasting Committee.

Erdogan Kiran, recipient of the Presidential Research and Creative Achievement Award, exemplifies "high energy, tireless effort and genuine enthusiasm." "He came to the University as a Visiting Professor 14 years ago and immediately made an impact as a teacher and researcher." Eight years ago, he started what has become a world-class research program concerned with the behavior and properties of supercritical fluids – fluids under conditions of high pressure and temperature. His laboratory, with equipment designed and developed by Kiran and his students, is often showcased to demonstrate the high quality and unique capabilities of UMaine research programs. He has founded the *Journal of Supercritical Fluids* and established the internationally renowned NATO Advanced Study Institute on Supercritical Fluids. ▲

People in Perspective

When Margaret Russell doesn't have the answer someone is looking for, she always knows where to find it amid the myriad of resources on campus. Over the years, that has made Russell a resource in her own right, and that's a role in Conferences and Institutes that she enjoys.

"I take pride in having helped someone through their programs and questions, most often in an effort to make them look good," says Russell, an administrative associate in CID. "It has to do with customer service – trying to give them what they want. Some want the moon on a platter – and don't want to pay anything for it – and others are appreciative of anything you do for them. I always try to help, and a lot of that is listening to them. The goal is to keep people happy because you want them to come back."

Since 1980, Russell has worked for Conferences and Institutes, the division that members of the University community and the public call when seeking to use the resources of the University. In the mode of one-stop shopping, people can call CID to reserve space in facilities, schedule resources like catering and equipment, and arrange for necessities ranging from participant lists and name tags to electronic registration. Russell's office also is the place that gets the "last-minute calls for help," as well as those planning events now for summer 1997 and 1998.

"We're in this as a business, as professionals – troubleshooting and with experience in working with all the departments on campus," Russell says. "We facilitate and coordinate knowing that, without all the folks in Facilities, Campus Living and others working together, it would not happen. Often we can see the bigger (institutional) picture, and bring all the resources to bear. We know what options are available in planning any kind of event, and can make

suggestions as to what can be done to make things run smoothly."

While Russell now is more involved in special projects and budgeting for CID, she's still the one many first-time conference organizers call, just as she remains the division's contact person. "I know where to get everything, and know who to call," says Russell. "New people come and go on campus, but they know I'm here to give direction when they need it. It's kind of neat when people come to me as a resource. I like to sit in the background and make things happen when it's time."

Memorable campus events through the years include the traditional New England Suzuki Institute, for which Russell helped map the logistics when it was established at UMaine 13 years ago. Then there are conferences like the Antique and Period Jewelry and Gemstone Course every July, a traditional campus event that was established before Russell joined CID but one that has evolved in its sophistication through its 16 years.

Perhaps just as memorable are some of the notable names in UMaine history with whom Russell has worked in her 30 years on campus. It's here that her multi-faceted work experience and longevity on campus set the stage for her current career in CID.

Russell joined the University community in 1965, working part-time in the College of Education as a stenographer. "I was a young housewife with three children when a friend of mine who worked in the College told me about the job," she says. "I remember being frightened at the time in not knowing how to use an electric typewriter."

In 1971, Russell moved to the Art Department where she worked as secretary for Vincent Hartgen. When the University of Maine Art Collection was established with Hartgen as its curator, Russell worked for what would one day



Margaret Russell

Photo by Tim Boyd

become the UMaine Museum of Art. It was there that Russell came to know the ins and outs of events planning and preparation. Under Hartgen's direction, Russell carried out a variety of tasks – from inventorying the most prestigious of touring campus shows and organizing local exhibitions to preparing works for shipping to their next destination. In addition, it was an opportunity to meet artists and "learn to appreciate art for what it is rather than what I think it should be," says Russell.

In 1979, on the eve of Hartgen's retirement, Russell went to work in the School of Performing Arts, first for Murray North, and then for Jim Bost. A year later, Russell joined the Conferences and Institutes staff.

"It's been fun looking back over the years and remembering the interaction with people who have come and gone. Of course, back then, people knew just about everyone else on campus. The University has been a great place to learn and grow."

Keypals *continued from page 5*

After writing back and forth once, the students met in Fogler Library where the fourth graders did research on Maine history. Their subsequent meetings involved the fourth graders working with the UMaine students at the Asa Adams library and in their classroom. A focus of some of their work has been how writing is evaluated on the Maine Educational Assessment exams by keypals working collaboratively on scoring writing samples.

"The University students practice some of the techniques in the writing process that we talk about in class, like conferencing and

the kinds of questions to ask," Salvage says. "They are learning first-hand the developmental stages of writing and spelling, while writing themselves and going through peer conferencing."

"There are different composing and thinking processes involved in writing electronically, including the revising that occurs as writers go along, so that often, what students are writing are not their first thoughts. But that's what aspiring teachers need to realize. They may not be dealing with just print literacy in the classroom anymore." ▲

Landscaping *continued from page 2*

done, it was really satisfying to have produced something to which everyone contributed."

As a capstone class, students must rely on their last three years of coursework, experience, and skills in writing and communication to successfully undertake such a detailed landscape design project, according to Bill Mitchell, associate professor of landscape architecture who has been teaching the course for 20 years. Projects undertaken have included landscaping designs for Bangor's Ronald McDonald House. In addition to practical experience, the senior horticulture students spend spring break visiting other academic programs and horticulture centers, meeting peers from around the world as well as leaders in their field.

"The students were fired up about the project, encouraged that the University felt they were capable of doing this," Mitchell says. "This was an area they have walked through many times. They know the project and understand the campus. Their ideas were accepted, and that's important in education. They will be leaving their mark on this campus – like their pre-alumni gift."

The size of the project was most challenging, according to Beth Foglio of Limerick, who is headed to a job in Rockland after May graduation. "A design like this also takes a lot of time, and it was difficult because we had a lot of other things going on," she says.

Foglio's team proposed utilizing the corners of the quad area for specific constituents – a play area for children, separate areas for smokers and non-smokers, and a viewing area. "We included everyone because so many people on the campus could use the area," she said. "It gave us a good feeling knowing we were leaving a permanent mark on campus."

What was envisioned as a project to draw up landscaping plans quickly turned into landscape architecture design for the students, complete with extensive research and interviews with building occupants, professionals in Facilities Management and Public Safety, commuters and pedestrians who use the area. While the students worked as three independent teams, they came together in weekly review sessions to share information and discuss their progress. The presentations of their three plans were made to building occupants and representatives of groups hoping to use the quad, with a final design being drawn up incorporating the best elements of each of the teams' proposals.

"While any one of the designs would have worked, there were parts of every design that people liked that are now combined into one master plan," Mitchell says.

"I was not surprised by their technical competency but encouraged by how they all came together. They became close, supporting one another's ideas. You don't find a class as motivated like this every year," says Mitchell. "They learned a lot about team projects, about their own personalities and time management."

Working on a team was difficult, but the experience "brought down a lot of walls as far as working together," says Jennifer Boyne of Orono. "Once we got the initial objectives of the group down, we could work on other things."

Elements in the final plan that came from Boyne's team include much of the hardscaping proposed for the center of the courtyard, including a paved circular area. Also taken into account was the need to blend the existing campus landscape with the new – paying attention to traditional plantings that hold significance in the University's natural beauty and character.

"I used every aspect of my computer knowledge, communication skills and horticulture training," Boyne says. "I felt for the first time that I was really using what I learned. It was a great way to get involved in the community, getting to know people beyond just being professors and students, knowing we were all in this for the same goal – to make the University look good and be functional, in good taste and with common sense." ▲



Outstanding Employee Award Winners, left to right, Donna Taylor-Schmidt, Cheryl McGovern and Robert Stormann.

Photo by Tim Boyd

Outstanding Classified Employee Awards Presented

The 1995 Outstanding Classified Employee Awards have been presented to three members of the University community for their exceptional and meritorious achievement or service. The Awards will be presented at the annual Employee Recognition Banquet Wednesday, May 17.

Cheryl McGovern has worked at the University for 17 years, and currently holds the salad preparer II position at Hilltop Commons. In her nomination, McGovern is described as "an excellent employee who can work independently with minimum supervision, producing outstanding results." She daily plans and sets five salad bars with the help of only one assistant. She decorates the bars seasonally, finds recipes and nutritional information, and experiments with new ideas. For special events and catering projects, McGovern works out the fine details of salads, appetizers, tray and table decorations, and garnishing. According to her nomination, "Cheryl has one standard: excellence."

Another Award recipient from Dining Services is Robert Stormann, a UMaine employee for more than 22 years who has achieved cook III status – as well as his liberal studies degree. Stormann "exemplifies excellence" by his attitude and attention to details in food service, whether following, improving or testing recipes, or suggesting new menu items. He is willing to put in extra hours when colleagues are sick or when special events warrant. Food purchases are made based on Stormann's menu projections. According to his nomination, Stormann is helpful, professional, has a personable attitude and has an "esprit de corps in a demanding, under-appreciated line of work."

From the Dean's Office of the College of Social and Behavioral Sciences, Administrative Associate Donna Taylor-Schmidt was chosen as the third Award recipient. Taylor-Schmidt, a member of the University community for 17 years, works directly with more than 1,800 students, more than 80 faculty advisors and nine department chairs and administrative assistants in the Bachelor of Arts programs in the College. In addition, she coordinates information with the College's two Bachelor of Science programs. Taylor-Schmidt was cited in her nomination for her initiative, commitment and competence. "Behind all of her decisions is the desire to help the student and to provide the most friendly service possible," according to her nomination. ▲

Lessons that Last a Lifetime

The gym is humming with the sounds of young adults talking and moving about. They converse casually between themselves or over the two nearby shopping carts brimming with an assortment of balls and bats, plastic hoops and hockey sticks. Each time the gym door opens, all eyes focus on it.

When Tony appears in the doorway, a man dressed in an NCAA baseball T-shirt and wind pants steps out of the crowd to meet him. From that moment on, it's as if they're the only two in the room.

"There he is," says Jim Evans, reaching a tanned arm around Tony's shoulder.

From his pocket, Tony produces a purple jelly bean and holds it out to Jim.

"Thank you, buddy," he says, giving Tony's shoulder a squeeze.

The two retrieve a foam and plastic ball, batting-T and bat, and make their way through the maze of youngsters walking or being pushed in wheelchairs through the doorway and into the warm greetings of the waiting University of Maine students. Jim and Tony find a quiet corner of the Field House where they prepare for a series of motor skill development activities.

"Step and throw at the same time," Jim tells Tony. "There you go. Throw as hard as you can."

The ball barely makes a ripple as it bounces against the practice net, but that doesn't seem to matter. The awkward throw and the ability to follow verbal directions are important. With each successful completion of a command and every non-verbal means of communicating, Jim takes his cues and patiently, seamlessly, moves from one motor activity to the next.

"OK, home run right here," Jim says, balancing the foam ball atop the batting-T. "Remember, step-step."

"Step-step," Tony repeats softly as he swings at the ball that jumps from its perch and rolls off in another direction. Tony smiles, waits for Jim to retrieve the ball, and tries it again – and again.

"Tony's been coming here since he was this high," says Steve Butterfield, gesturing with his hand as he watches the pair from across the room. The coordinator of UMaine's Health, Physical Education and Recreation Program then surveys the Field House where other UMaine students are paired with other youngsters with disabilities. On mats on the floor, one student offers words of encouragement to a youngster with cerebral palsy who is inching

her way toward a volleyball in order to reach out a finger and touch it. One child is swinging at a plastic hockey puck. Another is kicking a soccer ball. Across the hall in the gym, there are similar one-on-one activities occurring.

A University student walks by, leading a youngster with profound mental disabilities by the hand. By the look on the young man's face, it's obvious neither of them are very happy.

"They say he had a rough night, and now he's having a hard day," the UMaine student tells Butterfield.

"Then turn that around," is Butterfield's reply.

HPR 367 – Mainstreaming and Physical Education is a required one-semester course for all UMaine physical education majors. Typically juniors or seniors, they are students who not only are in top physical condition themselves, but their career aspirations often involve teaching and helping others get and stay that way. Most of the 30 UMaine students who take the course each semester have little or no experience interacting with persons with mild to profound mental and/or physical disabilities.

The course begins with an overview and the history of teaching sport and physical education for people with disabilities. Topics for discussion include societal changes in attitudes, and how such changes have led to litigation and legislation. Butterfield talks about mainstreaming in education, as well as the specialty field of special education.

In the fourth week of class, mock labs are held in which students are blindfolded or use wheelchairs to simulate disabilities. For the remaining 10 weeks of class, every Wednesday for two hours, UMaine students and the youngster with whom they are matched spend an hour in the gym or Field House working on basic motor skills and fitness plans, and then it's on to the Wallace Pool for an hour of aquatics.

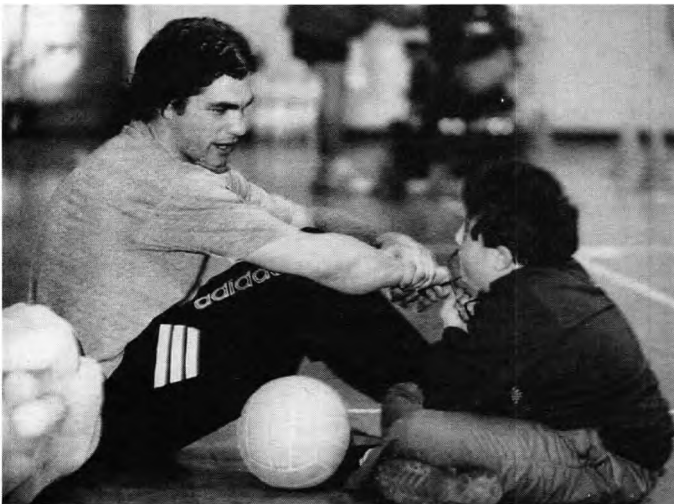
Students are graded on such criteria as their teaching performance, the quality of their educational planning, whether the activities are age-appropriate and demonstrate progression in difficulty. "We are teaching the special education process in which students must set and implement objectives, and actually change something about the person," Butterfield says. "It is problem-solving, making the person with disabilities more skillful and independent. The idea is to bring about learning and increase skill development. However, those increments of change vary enormously.

"The first three weeks are usually a struggle as students and the young people with disabilities get to know each other," Butterfield says. "What happens a lot is we see the kid in charge of the student, but by the third week, you see the students having established themselves as in control with the kids. They find behavior engineering is needed, and it forces the students to set limits. From learning the neat nonverbal ways some of the children use to communicate to dealing with boredom, students learn they have got to communicate and plan."

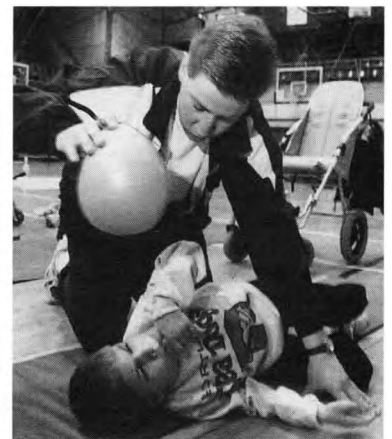
Butterfield likens the lab to basic training. "You dread it and sometimes you suffer, but you're glad you did it in the end," he said. "The course always gets good evaluations."

Veterans of the class like John Whitesides concur that the lab experience is "a pretty heavy-duty experience."

"This class has become a legend, almost mythologized," says Whitesides of North Conway, N.H., who graduates this spring with a degree in teaching coaching. "I had worked with Special Olympics in high school, but when I took this class in my third semester, it was still nerve-wracking because I had heard the



Paul Kelly and Drew



Photos clockwise from top left: Shellie Arbuckle with Jessica; Amy Morrell with Andrea; Ryan Soucy and Brad; Kim Ryan and Abby; Stacia Rustad high-fiving with Molly.
Photos by Tim Boyd

stories. It's a hands-on mainstreaming class people talk about university-wide, not only because it is unlike any other, but because of the successes, personal experiences, trials and tribulations they have here. It's a well-respected class. People go in with mixed emotions but when they look back at the end, they've accomplished so much. It's like everything else, what you put into it you'll get in return. It's the optimum experience."

After his semester of the class, Whitesides volunteered to help for two semesters and has served as a teaching assistant for another year. When he starts graduate school this fall to pursue a degree in exercise science, Whitesides plans to continue to serve the class as a volunteer to watch the progress being made, both by UMaine students and the young people with disabilities.

"Kids in the class teach you more than you teach them, and the students change more than the clients," Whitesides says. "There's a lot of successes in that class, including learning how to teach and to respond. I learn every day I go into the lab. One of the biggest lessons is to not doubt people's intelligence. What they have are traits, not flaws. It's amazing how you bond with these youngsters so that, even if they can't communicate, you soon know what they're thinking, feeling. It makes you look at things in a different light."

In his five semesters with the class, Whitesides says the most memorable moments always come on the first day of every 10-week lab period. "The children come in and start talking to Dr. Butterfield, while the UMaine students are standing back waiting for their assignments. The students are nervous, waiting to meet their child, and there are the kids and Dr. Butterfield, all on the same wavelength. It's a scene that makes me smile every time. It's that first day that makes me keep coming back."

UMaine is one of an estimated 100 colleges and universities across the country that employs this living-laboratory model that involves persons with disabilities coming to the campus to work

with students. The lab is preferable to having students volunteer their time to work with clients in off-campus sites because here, Butterfield has supervision of the learning environment, monitoring progress and giving feedback.

Butterfield joined the University of Maine in 1984 just after completing his Ph.D. in adapted physical education at Ohio State University. That fall, he taught UMaine's mainstreaming and physical education course that had been initiated three years earlier with clients from the Multiple Handicap Center of Penobscot Valley, primarily adults with multiple disabilities. Through the years, Butterfield has opened the program to schoolchildren from Orono and Milford, as well as youngsters of members of the University community. Now in its 14th year, the course continues to incorporate much of the course philosophy he had in graduate school, but it's the lab that is Butterfield's *pièce de résistance*. Those closest to him know that Butterfield is at his best Wednesday afternoons, noon-2. As one colleague describes it, "that's where he's happiest. He's focused, like a coach."

"The lab brings together people who are at opposite ends of the motor continuum – those gifted in their motor skills and those who are not. They come together in the same environment, and they learn from each other," Butterfield says. "Teachers, parents and therapists work with us, setting goals for the youngsters. It is virtually no-fail for the University students with so much support, as long as they approach it with the right attitude. In exchange for being removed from their peers in school, the young people with disabilities get 20 hours of structured programming, including pool time, all of which supplements and reinforces what they are getting in their educational settings.

"I feel this is something the University owes the surrounding community. This gives something back. It's strictly service, and to our students, invaluable instruction. I like to think of it in terms

continued on page 11

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Velpar in Water

Discovery of the herbicide hexazinone (trade name, Velpar) in groundwater in Down East Maine has spurred the development of a new rapid detection test at the University of Maine.

Rodney Bushway, professor of food science and human nutrition, and Brian Perkins, assistant food research chemist, presented the results of their work April 4, at the annual meeting of the American Chemical Society in Anaheim, Calif.

"The current test costs about \$45 per sample," says Bushway. "It takes several hours and involves the use of columns and solvents and creates waste materials. The new test is much simpler and quicker and should cost \$10 to \$15 per sample."

In collaboration with Immunosystems Inc. of Scarborough, Maine, and Millipore Corp. of Bedford, Mass., Bushway and Perkins created antibodies to the chemical in rabbits. The new test determines concentrations of hexazinone by allowing water samples to react with derivatives of the antibody.

Hexazinone has been used on utility rights-of-way in the United States and Canada and, since 1983, has been registered for use on blueberries. Yields in Maine have tripled since use of the chemical began. It also has been used on sugar cane, pineapple and alfalfa crops.

In a 1986 groundwater survey, the Maine Geological Survey found the chemical at levels near its limit of detection. Since 1991, hexazinone has been discovered in several public water supplies and the Narraguagus River as well as other Down East Maine rivers.

Out of about 150 groundwater samples analyzed by standard testing techniques in Bushway's lab, half have detected hexazinone in concentrations ranging from below one to nine parts per billion. The U.S. Environmental Protection Agency has set a health advisory level in drinking water of 210 parts per billion.

"Levels of one to three parts per billion are common in groundwater where hexazinone has been used," says Bushway. "It can be removed effectively by a carbon filter."

Yellow Newspapers and Effective Papermaking

The problem is as common as old yellow newspapers, but if a University of Maine research team can find a solution, they may brighten the future of paper producers and help the environment at the same time.

Barbara Cole and Ray Fort, associate professor and professor of chemistry respectively, would like to stop newspapers from turning yellow and brittle. If they succeed, they could turn a highly efficient but limited manufacturing process into the next generation of pulp-and-paper technology.

Fort presented a paper on their work April 6 at the national meeting of the American Chemical Society in Anaheim, Calif.

The process, known as high-yield pulping, has been in use for more than a century. Compared to more commonly used chemical pulping methods, it has significant advantages. While chemical pulping uses only about half the wood going into most pulp mills, high-yield pulping uses about 90%, requires fewer chemicals and creates less waste.

Its drawback is that the paper it produces is sensitive to light. "We've all seen newspapers that have been sitting in the sun turn yellow and brittle," says Cole. High-yield pulps are used mostly for newsprint and magazines, but if Cole and her colleagues succeed, these pulps also may be used in high-quality papers.

"Chemical pulps, primarily Kraft pulps, are preferred for most paper products," she says. "They are strong, which is important

in products like paper bags, and they are resistant to yellowing, which is important in writing and book papers."

Cole and Fort are working with Chen Zhou, postdoctoral associate, and Johnna Brazier, research assistant. They are combining experimental and computational methods in an effort to increase the strength of high-yield pulps and attack the problem of yellowing.

The culprit is lignin, an essential component of wood which reacts with light to produce colored compounds. "The lignin molecule is incredibly complex," Cole says. "Scientists have been working on understanding its structure and how it behaves for nearly 100 years. Several strategies have been developed to slow or prevent the yellowing process, but they all have drawbacks."

During her graduate work at the University of Washington, Cole demonstrated that several compounds containing sulfur would prevent yellowing.

"The problem with them is that they stink," she says. "The bottles they come in have 'stench' clearly stamped on the label. We could use these chemicals, but you couldn't stand to be around the paper they were in."

Another strategy that works is to coat the paper with chemicals that block the light. Such sunscreens may stop the yellowing, but they are too expensive, Cole says. Even vitamin C, or ascorbic acid, has been tested for its ability to protect paper.

"It was a very promising line of research," Cole says. "However, it wasn't ultimately successful. It prevents yellowing for a while, but eventually it does just the opposite. It actually promotes yellowing."

Cole and her colleagues have gone back to the sulfur compounds to determine exactly how they react with lignin. Once they understand that, they will search for alternative compounds which perform the same function without the odor.

NURSING HONOR SOCIETY ESTABLISHED

The University of Maine and Husson College/Eastern Maine Medical Center Schools of Nursing wish to announce the establishment of Signa Proferre, a nursing honorary society. Signa Proferre, once established, will become a chapter of Signa Theta Tau, the International Honor Society for Nursing. A ceremony to honor charter inductees will be held at 3 p.m., Sunday, May 7, Wells Conference Center. Guests are invited to attend the induction ceremony and the following reception. Induction recognizes outstanding achievement and leadership in academics, research or clinical practice.

EMPLOYEE RECOGNITION ACTIVITIES

Tuesday-Wednesday, May 16-17

Employee Recognition banquets will be held Tuesday-Wednesday, May 16-17. All classified, professional and faculty members with 25 years of service will be honored May 16. All classified, professional and faculty members who have elected to retire will be honored May 17, as will the recipients of the Outstanding Employee Awards. The Recognition banquets will be held in Wells Conference Center with a social hour beginning at 5 p.m., and banquet at 6 p.m. The menu will be: grilled lemon chicken and broiled lamb chop with mint, peppered beef tenderloin and grilled swordfish with pineapple salsa, three-pepper quiche and fresh fruit (vegetarian). Anyone wishing to attend should contact Eileen Murphy, x1640. Tickets are \$9 each.

Mainstreaming and PE *continued from page 9*

of the old agriculture model of the soil scientist and farmer working together."

Fiona Kelman was a junior when she took the course, and admits she "had never done anything like it before." It proved to be a rewarding experience, she says, "because I learned about myself and my abilities and nonabilities. That's why I volunteered to help out for two more semesters," says Kelman, who is from London, England, and receiving her bachelor's degree in physical education with a concentration in health fitness this May. "It makes me humble to see these people who benefit from your time.

"I learn every time I go in there about the capacity of a child or an adult with and without disabilities," says Kelman. "I see progress in the children with disabilities and in the student teachers. They bring a smile to my face. I've been interested in sports all my life, and wanted to pursue a career in sports fitness. No matter what I do, I will not be afraid to be in a special ed program - it is something open to me now."

Butterfield matches each UMaine student to a particular young person with disabilities based on "intuition" that comes from years of experience in adapted physical education. He looks for compatibility in personalities and coping strategies, attitudes as well as prior experience in such an educational experience. "A youngster without a father in the home may do well with a strong male role model, and a non-swimmer may be teamed up with a student who is a good swimmer. I also will take a gifted athlete to work with someone for whom it is a struggle just to move. It's the kind of experience that helps the student grow - as a teacher and as a person."

For Amy Morrell of Belgrade, a physical education major with a fitness option, realizing the significance of that match was an important first step in understanding the task before her in the class this semester. "I remember after my first meeting with the girl I'm working with. As I looked around that day and saw the other children people were working with, I remember thinking I had it pretty good because my client was not in a wheelchair or severely retarded. Afterward, I commented in class that I felt

Oral Exams

"Adolescent Perceptions of Benefits and Barriers to Nonsmoking Behavior," by Lisa Theriault, candidate for master's degree in nursing, 10:30 a.m., May 1, fourth floor, Chadbourne Hall.

"The Squared Circle: A History of Boxing in Maine," by Todd Knight, candidate for master's degree in history, 1 p.m., May 1, Stewart Room, Stevens Hall.

"Estimating Liapunov Exponents from Experimental Data," by Bernhard Schratzberger, candidate for master's degree in mathematics, 2 p.m., May 1, 421 Neville Hall.

"General Circulation and Density Distribution in Casco Bay, Maine," by Bin Gong, candidate for master's degree, 2:10 p.m., May 1, 230 Aubert Hall.

"Polymorphic DNA Sequences in Larix spp. and Their Use for Paternity Testing," by Hugo Volkaert, candidate for Ph.D. in forestry, 2:30 p.m., May 1, 204 Nutting Hall.

"The Kusnets Curve Flipped: A Comparison of Income Distribution in East and Southeast Asian Countries," by Margarita Suarez, candidate for master's degree in economics, 2:30 p.m., May 5, 370 Stevens Hall.

"The Comparative Functional Morphology of the Amphipod Mandible and Foregut," by Stephen Sampson, candidate for Ph.D. in zoology, 12:30 p.m., May 10, 102 Murray Hall.

that what I was doing was more like babysitting. Professor Butterfield said he was sorry to hear that, and we talked after class. He explained how he matches people, and he knew I could meet her specific needs.

"Now after working with her for several weeks, I feel I can meet those needs, too. It's challenging for me to continually challenge her. I have to be creative and keep her on task, and as a result we've made huge strides. More than anything else, I've learned different people have different needs, and as a health professional, it's going to be up to me to challenge those needs. This experience has changed my whole outlook on teaching people with disabilities," Morrell says.

If you're going to teach teachers to work with people with disabilities, they have to have more than theory, says Butterfield. "Much of it is an attitude change, and you can only do that with real experience and a significantly emotional event. When students leave the course, they should be advocates for persons with disabilities, whether they will one day be teachers, school board members, parents or administrators." ▲

Judith Bailey, Vice President for Research and Public Service, is pleased to announce the recipients of the Scientific Equipment and Book Fund Competition. Recipients are selected based on recommendations of the Faculty Research Funds Committee. Funds for this program are provided by the RAPS Vice President as part of a broader investment strategy designed to assist faculty and encourage research and other creative achievements.

Mitchell Bruce, Chemistry, "Digital Storage Oscilloscope for Fast Scan Microelectrochemistry."

Edward Decker, Geology, "A Digital Multimeter and Lunchbox Computer to Upgrade Temperature Measuring Systems for Climatic and Hydrologic Studies."

Darrell Donahue, Bio-Resource Engineering, "ARENA Simulation System Software from Systems Modeling Corporation, Sewickley, PA."

Stuart Marrs, Music, "Multimedia Production Equipment, Software, Videos."

Stephen Norton, Geology, "Perkin-Elmer Power Supply II for Atomic Absorption Spectrophotometer, plus accessories."

Howard Patterson, Chemistry, "Raman Spectrometer Laser Instrumentation: Facility to Probe Manganese-Lipoprotein Interactions Related to Heart Disease."

Cynthia Pilskaln, Oceanography, "486 PC w/500mb Hard Drive, 8mb RAM, Windows, 17-inch Monitor, and Quantitative Image Processing Software Package."

Jayendran Rasaiah, Chemistry, "Memory for Silicon Graphics Workstation."

Kristin Sobolik, Anthropology, "Swan Slimnote 550S Laptop Computer and Associated Backpack."

Rebecca Van Beneden, Zoology, "MP4 Polaroid Photo-Documentation System and a UV Dual Light Transilluminator."

Les Watling, Oceanography, "A Surface-Powered Underwater Video System."

James Weber, Animal Veterinary, and Aquatic Sciences, "Portable Diagnostic Ultrasound Unit with 7.5 and 5.0 MHz Linear Array Transducers."



Margo Lukens, assistant professor of English, presented a paper at the American Culture Association/Popular Culture Association annual meeting, April 15, Philadelphia. The paper: "Both Sides of the Border: The Representations of Pauline Johnson and Zitkala-Sa," was part of a panel: Literature and Politics: the Politics of Representation.

Steve Colburn, assistant professor of accounting, presented a tax update to the combined men's group of the Methodist and Congregational churches of Newport March 25.

Stellos Tavantzis, professor of plant pathology, Department of Plant Biology and Pathology, served as senior editor at the semiannual meeting of the Editorial Board of the American Phytopathological Society in St. Paul, Minn., Feb. 12-14. Tavantzis was also invited to moderate a discussion panel on "Species Complex and Pathogenicity," at the International Symposium on *Rhizoctonia* in The Netherlands, next June.

Brian Beloin, graduate student in food science and human nutrition, was awarded a travel grant from the Institute of Food Technologists to present the results of his research on a comparative analysis of encapsulated lactic acid vs. fermentation in the production of salmon pepperoni at the annual meeting in Anaheim, June 3-7. This abstract was selected as one of the four best in the Seafood Division.

Kelley Pendleton, an undergraduate student in the Peace Studies Program who is double majoring in sociology and psychology, attended the annual Peace Studies Association meeting, March 9-12 at Tufts University. The conference focused on ways to utilize "Peace as a Strategy." Kelley attended sessions on conflict resolution, mediation, and the violence of poverty.

Sandra Sigmon, assistant professor of psychology, along with **Kelly Rohan**, graduate student in psychology, presented a poster, "Predictors of Depression and Suicidality in a College Population" at the annual meeting of the Eastern Psychological Association in Boston, March 31. **Peter Trask** and **Lisa Hotovy**, graduate students in psychology, were co-authors on the poster.

Dick Work, graduate student in food science and human nutrition, was awarded a \$1,500 scholarship by the Northeast Section of the Institute of Food Technologists at their Student Appreciation Night at the University of Rhode Island April 4.

Colin Martindale, professor of psychology, presented a paper: "Evolutionary forces in art history," at the Association of Art Historians conference, London, April 8.

Kyriacos Markides, professor of sociology, was invited to give talks related to his newly published book, *Riding with the Lion: In Search of Mystical Christianity*, at the following locations: Gaia Bookstore and Community Center, Berkeley, March 10; Gateways Bookstore and Community Center, Santa Cruz, March 11; and Bodhi Tree Bookstore and Community Center, Los Angeles, March 19. During spring break, Markides also lectured in a philosophy course at San Francisco State University.



Claire Lint, left, Dining Services manager, has been awarded the National Association of College & University Food Services (NACUFS) Region 1 President's Award for 1995, presented at the business meeting on March 29. Lint was

chosen to receive the Award based on her past regional involvement in hosting a subregional conference and all of her "behind the scenes" support, never expecting a reward. Mary Zawieski, assistant director of Dining Services, right, nominated in fall 1994 for the position of NACUFS Region 1 Secretary/Treasurer, was elected to this position during the business meeting. Zawieski was also the recipient last year for Region 1 President's Award for 1994. This year's Regional Conference was held in Burlington, March 27-30. The hosting colleges were Dartmouth, Middlebury, and Williams Colleges.

Joanne Tynon, assistant professor in the Parks, Recreation and Tourism program, and graduate students **Ki-Joon Yoo** and **James Harding**, attended the Northeastern Recreation Research Symposium in Saratoga Spring, NY, April 9-11. Yoo, Harding, **Floyd Newby**, and Tynon presented a poster, "A Trail Information System Using Critical Criteria of Trail Settings: A GIS-Based Case Study in Acadia National Park, Maine." Harding, Yoo, Tynon, and Newby presented a paper: "The Identification of Criteria for a Trail Rating System and the Development of a Trail Rating System Model."

Huanli Zhang, graduate student in food science and human nutrition, had her abstract, Prevention of Anthocyanin Leakage of IQF Lowbush Blueberries in Bakery Products, selected as one of the top 25 in the Fruit and Vegetable Division of the Institute of Food Technologists. She will be presenting the results of her research at the annual meeting in Anaheim June 3-7.

Peiyong Yang, graduate student in the Department of Food Science and Human Nutrition, presented a paper: "Effect of Dietary Manganese on Arterial Glycosaminoglycan Metabolism," co-authored by **Dorothy Klimis-Tavantzis**, associate professor of clinical nutrition, at the Experimental Biology '95 meetings in Atlanta, April 9-13. Graduate student **Paul Taylor** presented "Dietary Manganese Deficiency Alters Composition and Structure of High Density Lipoprotein Subclasses in Sprague-Dawley Rats," co-authored by Klimis-Tavantzis and **Howard Patterson**, professor of chemistry. Two posters were also presented: "Field Testing of a School-based Nutrition Curriculum to Reduce Cardiovascular Disease Risk in Maine Adolescents," co-authored by Klimis-Tavantzis and **Adrienne White**, associate professor of human nutrition and foods, and "The Effect of Dietary Manganese on the Ultrastructure of Aorta and Liver Tissues," co-authored by graduate student **Ranjan Ekanayake** and Klimis-Tavantzis.



Criner in

New England Farmer

George Criner, associate professor of resource economics and policy, published an article in the April issue of *New England Farmer* on his market research on McIntosh apples. Criner has conducted market research on consumer preferences for McIntosh apples in tests against Red Delicious and Empire. Although Maine-grown McIntosh have lost market share to Red Delicious from Washington state, the test revealed that New England's consumers, especially those over 21, prefer the taste of McIntosh.

Stokes in Britain's

Homebrew Today

Martin Stokes, associate professor of animal, veterinary and aquatic sciences was recently quoted in a British bimonthly newspaper, *Homebrew Today*. Stokes' brewing activities and opinions were extensively featured in the article "American Home-Brewing" authored by Roy Bailey, a member of the British Guild of Beer Writers who is secretary of the John Hampden Society. Bailey traveled with Stokes to a brew-pub and a microbrewery in Bar Harbor while he was visiting Maine in 1994 to participate in the Hampden Bicentennial.

Klose in

Christian Science Monitor

Robert Klose, assistant professor of biological science, University College, had an article: "Won Over By My Resident White Belt," published in the March 27 *Christian Science Monitor*.

Segal in

Boston Sunday Globe

Howard Segal, professor of history, was interviewed for a page 1 story in the *Boston Sunday Globe* March 26. The article, "The Future is How?" takes a look at predictions from past generations about the future - wild predictions that "told us more about the fears and hopes of the age than about what lay ahead. In the process," the article notes, "they chipped away at the all-American confidence that we could not only predict what was to come but shape it to make our dreams come true." According to Segal, we're quick today to accept anyone who promises to sort things out "because people have a sense the world is out of control, that the future is hurtling at them at an unprecedented rate." But even when predictors of the past got the futuristic technology right, they often got the application wrong. Popular portrayal of computers, for instance, foresaw "the largest of computers being used for the largest of institutions and most technical of problems . . . There was no notion of personal computers, no notions of computers being part of everyday life."

Gardner in

On Campus with Women

Saundra Gardner, associate professor of sociology, was quoted in the winter issue of *On Campus with Women*, a newsletter published by the Association of American Colleges and Universities. Gardner's work was cited from an essay which appeared in *Working-Class Women in the Academy: Laborers in the Knowledge Factory* (edited by M. Tokarczyk and E. Fay, UMass Press, 1993).

Moen in *The Hill*

Matthew Moen, associate professor and chair, Department of Political Science, was quoted in the April 12 issue of *The Hill*, a newspaper covering Congress. In the article: "School Prayer Gains Momentum as It

Divides GOP," Moen noted that the issue of school prayer remains grounded in the states and state legislatures. "I think the issue of school prayer is probably going to go for a vote because Gingrich promised it, but I don't think it has the same hold on the elites of the movement as it did a decade ago."

And Locally Speaking . . .

Steve Craig, professor of journalism, was interviewed by WKSQ radio about the possibility that Los Angeles County will begin charging news media for covering the O.J. Simpson trial.

Randy Alford, professor of applied ecology and environmental science, and Stewart Smith, professor of sustainable agriculture, were quoted in a *Maine Times* story on genetically engineered food.

Habib Dagher, professor of civil engineering, was featured in the *Maine Sunday Telegram* about fiber-wood, composite beam made from Maine timber and a stronger-than-steel polymer resin. The Associated Press distributed the story to other media in Maine and nationwide.

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*.

Assistant Dean for Multicultural Programs, Center for Student Services. Full-time, 10-month professional position. Qualifications: A bachelor's degree required. Preference given to candidates with experience in creating and implementing multicultural programs, assisting campus organizations in planning programs that address social issues within the University community, and developing programs that enhance the entire student body's knowledge of ethnic cultures and celebrations. Requires demonstrated understanding and sensitivity to individuals of diverse cultural backgrounds. Excellent oral and written communication skills. Salary: \$24,000-\$28,000. Review of applications: Will begin May 10 and continue until a suitable candidate is found. Contact: Robert Dana, Chair of Search Committee, Cutler Health Center, University of Maine, Orono, ME 04469.

Assistant Ice Hockey Coach/Lecturer in Physical Education, Department of Athletics. One-year, fiscal appointment as a Limited Earnings Coach Position. Qualifications: BA required, master's degree preferred. Demonstrated coaching experience at the college level preferred. Salary: \$12,000. Application deadline: May 31. Contact: Shawn Walsh, Head Ice Hockey Coach, University of Maine, Alford Arena, Orono, ME 04469.

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.

Editorial Assistant Needed

The General Alumni Association is seeking a halftime editorial assistant for the publications office. Proven skills in office management, basic writing, word processing, and proofreading are required. Some familiarity with Microsoft Word and Aldus PageMaker are a must (familiarity with Internet a plus). Starting pay range is \$8.75-\$10 per hour, depending on experience. Flexible schedule. Resume and references can be mailed to: Lynne Nelson Manion, P.O. Box 550, Orono, ME 04473-0550. Application deadline is May 9.



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: 1986 Ford Escort 2-seater, sporty, sunroof, 5-speed, grey and black, over \$1,000 in new parts, 107,000 miles, runs great, driven to Portland and back weekly. Will take BO. Call 866-3431.

AUTOMOBILE: 1985 Oldsmobile Cutlass Calais Supreme. 2-door, 3.0L V6, auto, cruise, air, tilt, pw, power seats, sunroof, new breaks, inspected, needs a computer sensor to be trouble-free. Will take BO. Call 866-3431.

AUTOMOBILE: 1992 Saab 9000, 5-door, standard, sunroof, 62,000 miles, set of studded snow tires. Excellent condition. \$16,000. Call 989-7567 evenings and weekends.

COMPOST: University of Maine-made compost for sale beginning 8 a.m., Saturday, May 6, while supply lasts. Offered by the UMaine Office of Resource Conservation and Recovery, the compost is composed of leaves, brush chips, cow manure and food waste. Ideal for all types of gardens. \$10 per year. Loader will be on-site, BYO containers. Call 581-3300.

HONEY: Local honey delivered to your office: regular, blueberry or raspberry. Honey bear: \$1.50; 8 ounces: \$1.50; one pound: \$2.50; three pounds: \$4.50. Also available for candlemaking, cosmetics, and other hobbies—beeswax: \$3.50/lb. Contact Anynce, x3821.

HOUSE: 3-bedroom ranch in pretty country setting, 5 minutes from I-95, 35 minutes from campus. View of rolling hills, farms, includes 2 1/2 acres. New roof, att. garage, separate barn/garage, hardwood floors, deck, and bay window. Asking \$68,000. Call 368-2060 evenings and weekends.

HOUSE: 68 Grant Street, Bangor. 4 bedrooms, 1 bath, double living room, new cherry kitchen, large dining room, 2-car garage, full basement and attic, good neighborhood. \$85,000. Call 667-4716 or 235-2779.

HOUSE: Waterfront year-round home on Sebec Lake, Dover-Foxcroft. Five years old, shingled cape, 3 bedrooms, 2 full baths, cathedral, custom built kitchen with skylights. Dining room, exposed beams throughout. Hardwood floors downstairs, carpet up. Living room w/brick hearth and mantle. 5 zoned FHW heat. Heated full glassed/screened porch. 2-car garage with utility room and full bath. Large upstairs ready to be made into guest quarters. Blue Ribbon award winner by CB. AHS Home Warrantee Protection. Quiet West end of the lake. Asking \$195,000. Call 997-3266 eves and weekends.

HOUSE: Lovely 3-4 bedroom cape in Bangor. Large lot, two-car garage. New neighborhood. Many nice features. \$129,900. Call 947-2235. Leave message.

HOUSE: For sale by owner. 3,024 +/- sq ft, 7-year old home in one of the most prestigious, family-friendly neighborhoods in Hampden. 3-4 huge bedrooms (master suite is 27'x16'), 3 full baths, formal living room and dining room. Family room is adjacent to breakfast nook and gorgeous outdoor deck, and has heat-lator fireplace. Oversized two-car garage, with paved driveway. Highest quality construction by renowned H. Blaine Davis builders includes modern appliances in excellent condition. Large .5 acre lot near other families and only 20 minutes from campus, yet on private cul-de-sac. Appraised at \$145,000 by Gordon Appraisal Co., asking \$143,900. Call 862-2684 after 5 p.m. and weekends.

HOUSE: 8 percent assumable loan on 11-year-old 1,344-sq-ft. executive ranch. Newer carpet throughout. Two bedrooms upstairs with 600-sq-ft. finished room downstairs. Two full baths. Custom oak cabinets in kitchen. Solid wood doors and brass lighting throughout. Large 12'x18' master bedroom with two oversized closets and roomy private bath. Well situated on 1.47 acres with vegetable and flower gardens, maple, apple, and cherry trees, grape vines, raspberries, and blackberries. Rural setting only 15 minutes from campus via Essex and Forest avenues. No cosmetic updating needed! Asking \$9,000 down and take over payments on \$116,400 loan balance. Call for appointment, 942-0902.

HOUSE: For sale by owner. 7 years old, located on beautifully landscaped 1 1/3-acre lot in a very nice Hermon development. 4 bedrooms, 2 full baths, eat-in kitchen with hickory cabinets, formal dining room, 25-foot living room, 11 closets, central vacuum. 2-car garage, large two-level deck, all solid 6-panel christian doors, ash flooring throughout, basswood trim, all 2x6 construction, Pensotti furnace, full basement, maintenance-free exterior, low taxes. \$139,500. Call 848-7383 for an appointment.

HOT TUB: Catalina hot tub, 5-person, tiles, double jets, with cover, excellent condition. \$2,300. Call 989-7567 evenings and weekends.

LAND: Waterfront. 8-acre pond surrounded by 62 acres of pristine woodland. Little Bennett Pond is a clear-water pond fed by Big Bennett Pond. L.B. Pond feeds into Bennett Cove of Sebec Lake.

Buyer will acquire a deeded carry and foot access to Sebec Lake just across the road. Electricity avail. 20 minutes to town of Dover-Foxcroft but totally private. Abundant wildlife, flora and fauna. There are four soil tested and DEP approved lots which are very private and have large waterfronts and acreage. A rare and exceptional find for the naturalist, writer, sports and/or outdoor person. Asking \$165,000, but will entertain any reasonable offer after you have seen it. Call 997-3266 evenings and weekends.

MOBILE HOME: 1983 Oxford 14x70. Well-built and insulated. Three bedrooms. Set in quiet Old Town park. Back yard faces woods. Attractive vinyl siding and pitched roof. Near stores, busline, bike path, and UMaine (2 miles). Great starter home. \$18,000. Call 827-3863.

FOR RENT

APARTMENT: Three bedroom. Sunny, deck, washer/dryer hook-up. In two-family home, Bangor. \$615/month. Heat included. Non-smoker. No pets. Call 947-7625.

APARTMENT: Well-maintained 1-bedroom apartment in quiet setting. Good for studying. SGD overlooking the Penobscot River. 10 minutes from campus. \$350/month, includes heat and water. References and security deposit required. Available May 1. Call 827-7017 days or evenings.

APARTMENT: Orono river panorama, convenient to University and downtown. Private road with parking. Two bedrooms, quiet, uniquely spacious. Take a look and see an ideal location for family or graduate student. \$550 + utilities. Call 348-6764 or leave message at 348-5243.

HOUSE: Convenient Bangor location, beginning July 15. Eight room, 1 1/2 bath house in Eastside neighborhood. Walk to Abraham Lincoln, Garland Street schools. Possibility of renting with option to buy. \$650/month. Tel. 942-3945.

HOUSE: Cape style. 3-bedroom on Bucksport/Dedham line. Nine acres in country on route 46. Full basement, hot water, baseboard heat, washer and dryer included, \$525/month + utilities. Security deposit. Call Ben Dresser, 827-8539.

HOUSE: Orrington, Loon Hollow, 2-bedroom with loft, furnished, on pond, beautiful setting. Perfect for visiting faculty. Short-term tenants acceptable. Experience Maine in its finest form. \$700/month, utilities not included. Call 825-3128.

WANTED

AERIAL PHOTOS: Wanted ASAP - seeking photos of the Fort Kent/Madawaska area, Washington county (Machias, Princeton, Calais, Eastport), and the greater Farmington areas. The photos should depict regional attributes and convey rurality. Must be able to clearly see potato farming, logging, blueberry barrens, the coast and mountain ranges. Call Sue or Diana, 581-2591.

APARTMENT: Family of three looking to rent a 2-3 bedroom apartment or house in the Orono to Bangor area by June 1. Call Mary and leave message, 947-7214.

HOUSING: Incoming National Student Exchange student from Oklahoma State University wishes to live with local family while here. He is a UMaine hockey fan and majoring in elementary education. Would enjoy family with children, non-smoking and church participants. Contact Jack, 581-1297.

HOUSE: University professor wishes to purchase 2-4 bedroom house in Orono within 2 miles of the University of Maine. If you have a house to sell which is not currently listed, call 866-7935.

HOUSE: Nice 2-4 bedroom house with 10+/- acres in the country off a main road, i.e., no neighbors or trailers within 1/2 mile. Good condition and reasonable price. Call 866-2893.

HOUSE: Professional couple (new faculty member in resource economics and policy starting September 1) interested in renting home of faculty member who will be on sabbatical for the academic year. We would prefer a home that is close to the campus. We are non-smokers and have no pets. If you have such a home, please call Andrew at (415) 626-8036.

HOUSE ADVISOR: Beta Theta Pi Fraternity at the University of Maine is looking for a live-in house advisor. Must have good communication skills. Room/board provided. Send resumes by May 5 to: House Manager, Beta Theta Pi, Munson Road, Orono, ME 04469.

WEEKEND HOMESTAY FAMILIES: This summer, students from Japan, Korea, United Arab Emirates, Russia, Newly Independent States and other countries will be participating in programs on campus through the Intensive English Institute. We are looking for people willing to host 1-2 students for one weekend in July or August. For more information and an application, contact the Intensive English Institute, 11 Fernald Hall, x3821.

DEADLINE EXTENDED TO MAY 5 FOR JOINING SCOPE: THE STUDENT COMMUNITY OUTREACH PROGRAM EXPERIENCE Sponsored by the Wilson Center

SCOPE is a paid opportunity for students to:

- ▼ Create and lead programs and activities that explore peace, justice and spirituality.
- ▼ Develop leadership skills and explore areas of interest.
- ▼ Experience meaningful work.

For more information and an application for the 1995-1996 school year, contact the Wilson Center, 67 College Ave., Orono. Phone: 866-4227.

Education-Employment Link *continued from page 1*

"An understanding of the economy, the job market and what business expects of employees is not only part of what schools should be providing. It's also part of what society expects and is paying educators to do," says John Maddaus, an associate professor in the College of Education.

Maddaus works with local businesses and vocational educators to give his students insight into what business expects of employees and the teaching techniques used in training people for specific trades. He emphasizes that preparing highly skilled and productive workers able to compete in a global market should be a responsibility of education in general, not limited to vocational and technical schools.

The opinion that preparing students to succeed outside the school environment should be an educational priority is shared by the majority of 800 adults and 442 high school sophomores in Hancock, Kennebec, Penobscot and Piscataquis counties who participated in a survey commissioned by the Maine Task Force on Learning Results as part of its work to define a comprehensive list of what students should know and be able to do by the time they complete 12th grade.

The survey reports were prepared by the Center for Research and Evaluation at the UMaine College of Education.

Of the 40 learning objectives in the survey, adults ranked learning how to find, apply for and interview for a job, as well as showing pride in work, in the top 10. In a similar survey, participating 10th graders — both college-bound and those hoping to enter the work force — ranked the skills for successful employment as their highest priority.

Career education has its place even in the primary grades, where young children can begin to make the connection that skills learned in school, such as math, reasoning, problem-solving, effective communication and reading maps, will be useful in the work force someday, according to Maddaus.

In two recent field experiences, the 18 future teachers in Maddaus' Professional Preparation Team learned how the marketplace drives vocational education and what business expects of potential and actual employees.

They visited United Technologies Center in Bangor, where Maddaus has been taking his students for the past four years, to see how vocational education adjusts its programs in response to market demands. A tour of the facility, which offers technical training for students from nine area high schools, is the first exposure to vocational education for most of the UMaine students. They observe the individualized, applications-oriented teaching and learning, and talk with faculty and students there about the differences between traditional high school and vocational program emphasis and instruction.

Most of the students in vocational programs also are in regular high school classes, and teachers need to understand and appreciate the overall organization and philosophy of vocational education, as well as traditional pedagogy, Maddaus explains.

Greg Miller, dean of students at United Technologies, agrees. "It's important for teachers, both elementary and high school, to be aware of all the educational programs available and to be exposed to different teaching methods," he says. Miller also points out that some of the hands-on, performance-based techniques used in technical instruction are beginning to be practiced in traditional school settings.

Maddaus also escorted the future teachers to the local McDonald's Restaurant in Old Town, where they spent time at each work station, were surprised at the computerization of the operation, and learned that teamwork and the ability to solve problems as a team are major expectations in ensuring that busi-

ness meets its sales, profit and customer-satisfaction goals. Doug and Linda Quagliaroli, owners of four area McDonald's restaurants, and four members of their staff, later met with students at the College of Education for a further discussion about business needs and expectations, and the work-related qualities and competencies schools should be addressing.

To emphasize the education-employment link, Maddaus presents his students with the U.S. Labor Department's SCANS (Secretary's Commission on Achieving Necessary Skills) report outlining the skills needed to succeed in the work place. In addition to traditional basic reading, writing, thinking and problem-solving skills, the report lists necessary competencies, including the ability to: identify, plan and allocate resources; work with others as a team; negotiate and work with diversity; acquire and use information; understand complex interrelationships; and work with a variety of technologies.

"Schools should not teach for employment to the exclusion of everything else, but schools must respond to the needs of business so graduates can find jobs and society can continue to have a high standard of living," Maddaus says.

Maddaus practices as well as teaches his school-work link philosophy. He serves on the steering committee for the Eastern Maine Tech Prep Consortium, a federal program operated through the Maine Technical College System to promote high-school preparation for career employment, and on the Greater Bangor Chamber of Commerce's Building Bridges committee, which works to create partnerships between schools and businesses in successfully preparing students for productive employment.

"The major push behind educational policy at the state and federal levels is jobs," says Maddaus. "Educators must help young people develop the skills to make them highly productive in a competitive world. If business stands still, it doesn't succeed. There's an important message there for education." ▲

UNIVERSITY OF MAINE

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FRATERNITY/SORORITY LIVE-IN ADVISOR CANDIDATES NEEDED

All UMaine fraternities and sororities with houses now employ live-in advisors. They have proven to be very helpful resources for the young men and women residing in our Greek Community.

Specific qualifications for the position are: a sincere interest in advising young men and women in a cooperative living environment; a mature presence that reflects insight and wisdom gained from life experiences; the ability to establish a good working relationship with people; an appreciation for the importance of putting forth a maximum effort in the area of scholastic achievement; and an ability to be firm and decisive when appropriate.

Complimentary room and board would be available to all live-in advisors, along with the possibility of a stipend.

Traditional house mother candidates would also be welcome. For more information, call the Student Activities Office, 581-1792.



Administration on Aging grants Discretionary Funds for research, demonstration, training, and other capacity-building projects. FY95 priority areas: neighborhood senior care, capacity and management of home and community based long term care service systems, minority elders, legal assistance and elder rights, statewide legal hotlines, pension information and counseling, and senior aides/family friends projects. Deadline: June 12.

U.S. Department of Energy solicits proposals for research exploring the nature of the investor-owned electric utility industry, market transformation, and the development of new institutions supporting energy efficiency, environmental quality, equity, fuel diversity, and research and development. Deadline: June 15.

National Endowment for the Humanities Focus Grants enable small groups of teachers, faculty members, and other educators who work together to develop their understanding of important topics in the humanities. Planning and design of new institutional arrangements for humanities education are also supported. Range of awards: \$10,000-\$25,000. Draft applications must be submitted for comment by July 15; final applications, Sept. 15.

Committee on Scholarly Communication with China supports scholarly exchange in the humanities and social sciences. Awards are made to Americans for research on China, the Chinese portion of comparative studies, and exploratory surveys of aspects of contemporary China; application deadline is October 13. Fellowships for Scholarly Development enable U.S. institutions to host Chinese scholars in research visits; the deadline is Nov. 3.

National Science Foundation's Program of Civil Infrastructure Systems invites applications for research in engineering, mathematics, and the physical, materials, and social sciences relevant to renewal of the civil infrastructure. Program emphasis is on deterioration science, assessment technology, renewal engineering, and institutional effectiveness and productivity.

National Institutes of Health have launched several initiatives to reinvent the grant-making process. Some reinvention activities affect the submission and review of applications. Others deal with post-award issues. Some are fully developed, others still in the conceptual stage. For a copy of a recent status report, or for more information, call Research & Sponsored Programs, x1476.



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For a 1995 Summer Session Catalog describing over 500 courses with 16 calendars of three-, five-, six-, and eight-week day and evening courses, call the UMaine Summer Session Office at 207/581-3142.

Women's Rugby Seeks Faculty Advisor

An energetic group of 20 Women's Rugby players from the Club Team is looking for a faculty/staff advisor to assist them with their administrative responsibilities. An advisor is needed to guide the Club's officers in scheduling practices, games and fund-raising activities. Someone with knowledge of the game of Rugby would be ideal for this volunteer position. If you are interested, call the Recreational Sports Office, x3054.

What's Ahead



**PRESENTATION OF
ELIZABETH A. MORRIS
PEACE MAKER AWARDS
May 7**

Maine Perspective

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