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Taking advantage of a spring day in the Roger Clapp Greenhouses are, left to right, Carrie Martin, a first-year psychology major from Orono; Georges Kabche, a junior from Venezuela majoring in English; Lindsey Smith of Dexter, a junior majoring in business; and Rhonda Savoy, a sophomore business major from Holden.

Photo © Tom Stewart 1997

University of Maine Museum of Art Receives Valuable Print Collection from Alumnus

Some of the finest 20th century prints in the world are part of a private collection that has been donated to the University of Maine Museum of Art by alumnus Robert Venn Carr Jr.

With this \$1 million gift of art, the second donation of works to the Museum by Robert Carr in 11 years, UMaine has one of the outstanding university print collections in New England.

The collection of works on paper of the 20th century "places the Museum in a pivotal role," says Wally Mason, director of the University's Museum of Art, which, with the Art Department, just observed its 50th anniversary. "This collection brings added depth in the areas of late 20th century artists, as well as early 20th century German works. The opportunity to view and study, as well as interpret these artists is the compelling reason most universities have museums of visual art. We will be able to mount and augment many thematic exhibitions, as well as tour the collection to other university galleries and museums, further enhancing the reputation of the Museum and the University."

Robert Carr, of Torrington, Conn., and North Palm Beach, first donated more than 60 works to the Museum in 1986. At the time, he challenged members of his Class of '38 to raise funds for the University Collection, resulting in the first class gift to the University to ever exceed \$1 million. His generosity resulted in a total of 175 works being gifted to the University from 1986-92.

This year, more than 110 works of art have been donated, bringing the total number of pieces in the Robert Venn Carr '38 Collection to almost 300. Included in the Carr Collection are works by

masters such as Max Beckman, Jim Dine, Kaethe Kollwitz, Roy Lichtenstein, John Marin, Joan Miro, Pablo Picasso and Andy Warhol. The Carr Collection complements and enhances the Museum's permanent Collection, which contains

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Plans Announced for Construction of Alford Stadium, Morse Field

A new privately financed outdoor sports stadium with an artificial playing surface, intended for use by the University's recreational sports, field hockey and football programs, will be constructed at the University of Maine, announced UMaine President Fred Hutchinson earlier this month.

"In addition," Hutchinson said, "it will be available for a wide variety of activities, tournaments, and functions for schools, groups and organizations outside the University itself. It will be a facility unlike any other in Maine." *continued on page 10*

In Perspective

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

Maine Perspective

A PUBLICATION
FOR THE
UNIVERSITY OF
MAINE

VOL. 8, NO. 16
MAY 26, 1997

UNE, UMaine Collaborate to Increase Primary Care Physicians in Maine

Officials from the University of New England and its College of Osteopathic Medicine (UNECOM) and the University of Maine will meet at UMaine on Wednesday, May 14, to sign an agreement intended to help increase the number of primary care physicians in Maine.

Known as the Accelerated Binary Degree Program, the arrangement will reduce by one year the amount of time it will take a student to earn a bachelor's degree from UMaine and a medical degree from UNECOM, which is the only medical school in Maine. Students may begin to enroll in the program in fall 1997.

Students participating in the program will begin their studies at UMaine, where they will be required to satisfy specific academic requirements in science and liberal arts within three years. Those who qualify will begin studies at UNECOM after their junior year at UMaine and will be awarded a UMaine bachelor's degree upon the successful completion of one year of medical school at UNECOM. Students who continue to satisfy requirements of the program will receive medical degrees three years later, having studied for a total of seven years.

In its 15-year history, UNECOM has demonstrated a commitment to the education of primary care physicians, with more than 60 percent of its graduates practicing in specialties related to primary care, many in rural, medically underserved areas.

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Wabanaki Education in the 21st Century a Critical Focus



Ted Mitchell, director of the Wabanaki Center, last month received an Expression of Legislative Sentiment in recognition of his commitment to Indian education and years of public service devoted to supporting Indian students. On hand for the presentation were, left to right, Penobscot Nation Tribal Representative Paul Bisulca, Ted Mitchell, Maine Sen. Mary Cathcart and Fred Moore, Passamaquoddy Tribal Representative.

Photo by Kathryn Rice

Wabanaki education in the 21st century is a vision that has brought together Maine educators for more than two decades in an effort to enhance learning opportunities for Native young people in the state. The commitment has been realized in such initiatives as the University of Maine System Indian Scholarship Program and the annual Wabanaki Education Conference, the fifteenth annual

having been held this month on campus. Through the years, the aspirations have been supported through the efforts of the University of Maine Indian Programs and Minority Services unit, from which the Wabanaki Center evolved in 1994.

The Wabanaki Center is dedicated to serving Native students, supporting the development of a Native Studies Program at UMaine, and building better links between the University and Maine's Native American communities. The Center also serves as

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Steve Gould Award Winners



The recipients of the 1997 Steve Gould Award are Helen Young, secretary of Faculty Senate, and Lambda Chi Alpha fraternity.

Young, pictured above with President Fred Hutchinson, has served as secretary of Faculty Senate, formerly Council of Colleges, since 1970.

Young was cited for the many ways she seeks to recognize the human side of campus. In reading her citation, Hutchinson noted her well-known sense of humor that "reminds us not to take ourselves too seriously. She is meticulous about her duties to the Senate and, although she always puts her job first, she cares deeply about the people she deals with. She is willing to serve in any capacity for the common good."

Lambda Chi's members were cited for their "sincere desire to improve the community around them." The 24 members of the fraternity participated in many philanthropies this year, accumulating nearly 700 volunteer hours. Last November, the members participated in the North American Food Drive, raising almost 5,800 pounds of food for local shelters. This spring, they gathered more than 100 30-gallon trash bags of used clothing and donated them to Goodwill and to the Salvation Army. In addition, the students donated 600 pounds of food to Manna Soup Kitchen, and worked for the Red Cross blood drive during the annual Greek Week. Members volunteered to supervise games at the YWCA Fair in Bangor, and undertook three service projects on Maine Day. As a Steve Gould Award recipient, Lambda Chi is recognized for its humanity, compassion, consideration and caring for others.

On hand for the award presentation by Hutchinson were members, front row, left to right, Sean Finnegan, Peter Blanchette, Jason Hart and Eric McGuire; second row, James Knight, Matthew Pelonzi, Johan Noren and Jason Libby. Also present were Bill Lucy and Robert Dana.

The Award is named for Steve "Totty" Gould, UMaine's police chief from 1956-1969. The Award was created by Gould's family and friends in memory of a man "of honest and passionate concern for others."

Maine Perspective

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

Director of Public Affairs John Diamond • Executive Editor Margaret Nagle

Layout and Design by University of Maine Department of Public Affairs

Printed by University of Maine Printing Services

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UNIVERSITY OF
MAINE

U Maine Calendar

SUMMER

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

30 Friday

Senior Alumni Luncheon, part of Reunion Weekend, noon, May 30, Wells Conference Center. x1142.

Fogler Library: "Yesterday, Today & Tomorrow," an open house wine and cheese reception with multimedia presentations and tours, featuring tours at 2:15 p.m., 2:45 p.m. and 3:15 p.m., part of Reunion Weekend, 3-4 p.m., May 30, library. x1142.

Senior Alumni Dinner Dance, hosted by Class of '42, part of Reunion Weekend, 5:30 p.m., May 30. x1142.

1947 50th Reunion Banquet, part of Reunion Weekend, 5:30 p.m., May 30, Stewart Commons. x1142.

31 Saturday

M Club Breakfast and Annual Meeting, 8 a.m., May 31, Wells Conference Center. x1142.

Reunion Breakfast, 8:30 a.m., May 31, Wells Conference Center. x1142.

Page Farm and Home Museum Open House, featuring Director's Tour at 3 p.m., part of Reunion Weekend, 10 a.m.-4 p.m., May 31, museum. x1142.

Hudson Museum Wine and Salmon Reception, featuring Director's Tour at 3 p.m., part of Reunion Weekend, 2:30-4 p.m., May 31, Maine Center for the Arts. x1142.

Museum of Art Alumni Open House, featuring Director's Gallery Talks at 3:30 p.m. and 4 p.m., part of Reunion Weekend, 3-4 p.m., May 31, Carnegie Hall. x1142.

Reunion Reception, featuring recognition of class reunion giving achievements, 6 p.m., May 31, Wells Conference Center. Followed by Reunion Dessert/Dance Party, Union. x1142.

1 Sunday

"Happy Trails," all-alumni champagne breakfast, with UMaine President Hutchinson and Alumni Association President Max Burry, featuring presentation of alumni awards, part of Reunion Weekend, 8:30 a.m., June 1, Wells Conference Center. x1142.

9 Monday

Bangor Symphony Orchestra Annual Youth Concerts, featuring a flute concerto performed by Nichole

Rabata, 1997 BSO Maine High School Music Competition winner, 9:45 a.m., 11:30 a.m., and 1:15 p.m., June 9, Hutchins Concert Hall. 942-5555.

25 Wednesday

Retirement Reception for Max Burry, 3-5 p.m., June 25, Crossland Hall.

28 Saturday

Don McLeon in Concert, part of the Maine Center for the Arts performance season, 8 p.m., June 28, Hutchins Concert Hall. Admission fee. x1755.

10 Thursday

Kathy Mattea in Concert, part of the Maine Center for the Arts performance season, 7 p.m., July 10, Hutchins Concert Hall. Admission fee. x1755.

11 Monday

The UMaine Experience Open House, coordinated by Admissions, Aug. 11.

UMaine Athletics

"97 BLACK BEAR GOLF CLASSICS

With UMaine Coaches Jack Cosgrove, John Giannini, Paul Kostacopoulos, Joanne Palombo-McCallie and Shawn Walsh

June 9 - Penobscot Valley Country Club

June 23 - Augusta Country Club

June 25 - Aroostook Country Club

Sept. 29 - Falmouth Country Club

Proceeds benefit the Black Bear Scholarship Fund for student-athletes

Ongoing Events

Activities/Events

Alumni Reunion, May 30-June 1. x1131.

Maine Special Olympics, June 6-8.

Pulp and Paper Summer Institute, June 9-13.

Sports Camps, June 15-Aug. 8.

Early Literacy Conference, coordinated by the College of Education, June 22-27.

Maine 4-H Teen Conference, coordinated by Cooperative Extension, June 25-29.

National Youth Sports Program, June 27-Aug. 8.

Middle Level Summer Institute, College of Education, July 6-11.

Young Scholars Program, July 6-18, Barrows Hall.

Pulp and Paper High School Juniors, Program, July 13-16.

Maine Math and Science Alliance Summer Academy, July 14-25.

Adult Education Institute, July 20-25.

New England 4-H Teen Conference, Aug. 7-10.

Math 4-Maine Summer Camp, Aug. 10-15. Neville Hall.

Exhibits/Demonstrations

Selections from the Permanent Collection, a Museum of Art exhibit, through July 16, Carnegie Gallery, Carnegie Hall. x3255.

Mimmo Paladino: Prints, a Museum of Art exhibit, through Aug. 1, 1938 Gallery, Carnegie Hall. x3255.

Secular Light: Robert Beckmann, a Museum of Art exhibit, Aug. 15-Sept. 28, 1938 Gallery, Carnegie Hall. x3255.

Circumstance and Intuition: German Works on Paper, a Museum of Art exhibit, Aug. 15-Nov. 22, Carnegie Gallery, Carnegie Hall. x3255.

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

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

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

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

Bryand Global Sciences Center to Open This Summer

Construction of the Edward T. Bryand Global Sciences Center is expected to be complete this summer, with faculty in the Department of Geological Sciences and the Institute for Quaternary Studies moving in as early as July and classes being scheduled for the fall.

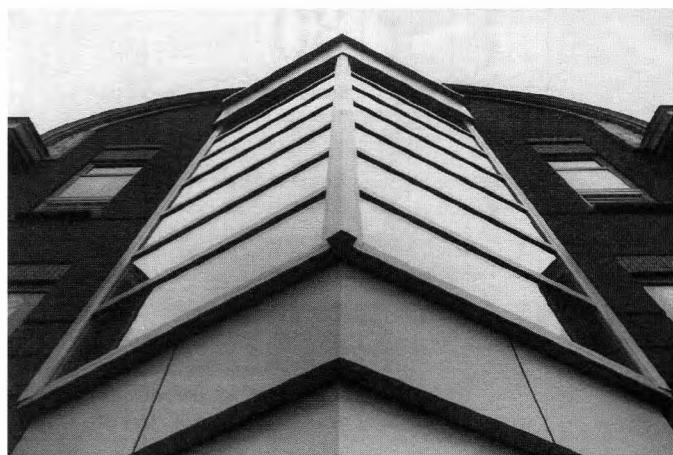
The three-story, 46,000-square-foot Global Sciences Center is the University's newest landmark facility. It will provide state-of-the-art laboratories, classrooms, seminar space, and office and storage areas. The Department's 14 faculty, along with undergraduate and graduate students and research and teaching assistants, are currently spread out in Boardman and Aubert Halls, Crosby Laboratory and Sawyer Environmental Research Center.

"When we move in this summer, it will be the first time since the late 1960s that most of the Department of Geological Sciences has been under one roof," says Stephen Norton, Department chair. "It will help communication among faculty and students. We've mixed the faculty and student offices for just that purpose."

Special features of the building include two entrances with ground-to-roof glass walls, a 60-seat auditorium and a new computer teaching laboratory. The entire building, including research laboratories and offices, is handicap accessible.

The building is designed around an interior corridor which runs in a race-track fashion. Offices for faculty, students and visiting scientists, and teaching laboratories are arrayed along the outside of the corridor; research laboratories are located inside.

Through some creative floor design by Martin Yates, associate scientist and manager of the Electron Microprobe Laboratory, the second floor will have a unique feature. Four colorful "puzzles" have been developed to represent geological processes ranging from the atomic to global scale.



In addition, plans are being made to create a time line display in the corridors. On the first floor, students will be involved in placing tiles and explanatory material on the walls at appropriate locations to mark significant geological events in the Earth's 4.5 billion-year history. On the second floor, a similar effort will focus on the last 575 million years in Maine, and on the third floor, the last 200,000 years, known as the Quaternary period, will be displayed.

"These displays will be good places for schoolchildren to visit," Norton says.

The building, designed by architects of Payette Associates Inc., of Boston, features 25 offices, administrative space for Geological Sciences and the Quaternary Institute, 13 research labs, six teaching labs and basement storage space with a 15-foot ceiling.

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Forest Products Lab Renovations to Further Enhance Research

With an emphasis on interdisciplinary collaboration, wood science faculty members in the Department of Forest Management are preparing for a complete renovation of the forest products lab on the first floor of Nutting Hall. Construction is expected to start this summer or fall.

Renovations in the 30-year-old lab have been made necessary by shifts in research needs, technology and the forest products industry. "We're working with technology today that wasn't envisioned when Nutting Hall was built," says Steve Shaler, associate professor of forest resources.

The lab has proved its worth to Maine by helping businesses to become more efficient and answering questions about the integrity of wood products. For example, wood processing studies have helped Bethel Furniture Stock Inc. to reduce wood waste by as much as 40 percent. Work on utility poles has helped to determine the causes of failure. Researchers have also looked closely at the benefits and hazards of using wood treated with preservatives.

In recent years, past emphasis on timber and saws has given way to work on chemical analysis, biotechnology, acoustics and composites. Says Bob Rice, associate professor of forest resources, "two-thirds of our research is on stuff you can't see with the naked eye — volatile organic compounds, bonding, fungal degradation of wood cells. It's not the way wood products research used to be."

Change also is reflected in the lab's sophisticated equipment. Electronic devices for detecting acoustic signals, high-performance liquid chromatography for chemical separation, an X-ray densitometer for density and composition analysis are linked to computer systems for data storage, analysis and interpretation.

The primary goal of the \$400,000 renovation project is to make better use of existing space. For example, a 40-foot-long open corridor, affectionately nicknamed the "bowling alley," now runs the length of the lab and occasionally allows sensitive equipment to be exposed to sawdust and cold air. The space will be divided by partitions and equipped with a new ventilation system to reduce dust and fumes.

Some activities haven't changed. "We still have to saw boards," says Barry Goodell, professor of forest resources. "It's a dirty process requiring ventilation, but we can no longer allow fumes and dust to be floating around in the labs. This new facility will take care of that."

Among the components of the renovation are

- ▼ an expanded climate control room where experiments are run under carefully regulated temperature and humidity.
- ▼ a newly designed computation and image analysis lab.
- ▼ more efficient areas for X-ray analysis, calorimetry, wood preservative research and work in biotechnology and acoustics.
- ▼ a new autoclave.
- ▼ a new dry kiln which may be placed outside the facility, thus freeing up additional space.

The project has been more than three years in the making. In 1993, Shaler led the preparation of a proposal to the National Science Foundation for research infrastructure improvement funds. Reviewers rated the proposal as a top priority.

The lab serves students and faculty in at least 10 undergraduate and graduate courses. It is also used for research projects done in collaboration with many of the state's more than 500 forest products companies. ▲

Landscape Horticulture Seniors Develop Idea Garden Designs

Landscape horticulture seniors have drawn up proposals for an idea garden on campus that would have inspirational benefits for home gardeners and aesthetic value for visitors.

The proposed idea garden would be part of the 12-acre Lyle Littlefield Ornamental Garden on the east side of campus, one of the premier trial gardens in the world, developed by professor Lyle Littlefield more than a quarter-century ago and now under the supervision of Paul Cappiello, associate professor of horticulture. The Garden is managed by the Horticulture Program and is used extensively for teaching, research and as a service to the public.

In the past nine years, the Garden has undergone design changes and expansion, largely undertaken by landscape horticulture students based on input from faculty and alumni. The Garden now constitutes two main areas – the public garden with gazebo and plant trials, and the research center. The plot linking the two is the proposed site of the idea garden.

The idea garden will feature hardscape elements, including walls, fencing and stone to provide homeowners with ideas and problem-solving techniques. In this garden area, plant materials will be used to accent the hardscape. And unlike the permanent trial garden, the idea garden would change with trends in landscaping.

Senior landscape horticulture students in a professional practice course this semester under the direction of Bill Mitchell, associate professor of landscape architecture, worked in four teams to develop plans for the 10,000-square-foot area. Their final proposals were critiqued by a jury of professionals, including Michael Boucher, landscape architect who also teaches at MIT and Harvard, Class of '78; horticulturist Bob Bangs, '70; and Bruce Riddell, landscape architect, '81.

"It was a real challenge," says Sarah Hewitt of North Fryeburg, who is headed to a landscape design job with a New Hampshire golf course. "The project put us through the actual challenge of designing a project. It was all up to our imaginations."

Senior Brian Beeler of Berwick noted that the project required recall of lessons learned in the classroom throughout four years of coursework, including technical writing and plant material classes. "This was an opportunity to take the education we've received and offer something back. The idea that one part of our design might eventually be used in the Garden is exciting. It shows faith in the students," says Beeler, who is headed to a job as landscape designer and estimator for a landscape firm.

Elements from the schematic designs of the students will be used to begin developing the idea garden, says Mitchell. It is expected that landscape horticulture students in subsequent classes will further refine and implement aspects of the plan. Plant materials will be donated by nursery owners, a number of whom are UMaine alumni. Brooks Brick of Brewer, an avid supporter of the program, will be soliciting contributions from its suppliers. The idea garden will be developed over the next five years, depending on the donations of materials.

OUTSTANDING ACHIEVEMENT AWARDS PRESENTED

The 1997 Outstanding Achievement Awards were presented to 12 graduating students during a May 1 ceremony. The categories of achievement and students are: Community Service – Kristen Gwinn, Benjamin Meiklejohn, and Jenny Moulton; Campus Citizenship – Charles Allen, Christopher Bragdon, and Debra Marie McIntosh; Athletic Achievement – Ann-Marie Elkanich, Todd Williamson, and Reginald Cardinal; Arts and Communication Media – Sandra Allison, Janet Warner-Ashley, and Collin Worster.

Because of the heavy student, faculty and alumni involvement, the Garden is seen as a recruitment tool for prospective students who specifically inquire about hands-on experience in the field. For seniors like those in this spring's capstone



UMaine seniors Kimberly Turner, left, and Sue Brown, show off one of the student designs for an idea garden. The student designs were judged by landscape horticulture alumni, left to right, Michael Boucher of Portland, '78; Bob Bangs of Bangor, '70; and Bruce Riddell of Bar Harbor, '81.

Photo by Kathryn Rice

project, the opportunity to design and then defend their proposals on a professional level to professionals is "one stage in a lifetime of learning and developing," says Mitchell. In addition, their proposals for the idea garden now are part of their portfolios. ▲

Gallery Glimpses



Museum of Art Summer Shows

Two new exhibits at the Museum of Art will highlight some of the most distinctive works in the University's permanent collection, including pieces from the prestigious Carr '38 Collection.

Selections from the Permanent Collection, on display through July 16, features works by Berenice Abbott, Jean Dubuffet, Max Ernst, Roberto Matta, John Marin, Henry Moore, Emily Muir and Pablo Picasso.

Mimmo Paladino: Prints is an exhibition of large-scale prints completed between 1984-87. Paladino's figurative motifs are drawn from classical Italy and from the myths and legends of other ancient civilizations. The exhibit will be shown through Aug. 1.

Museum Mornings

The Hudson will feature "Museum Mornings" every Thursday from July 10-Aug. 14, for youngsters ages 7 and older.

Beginning with the reading of the story, *One Small Blue Bead* by Byrd Baylor, July 10, the hour-long programs will focus on topics ranging from dancing blankets and masks to Northwest coast stories and legends.

Registration is \$2 per child; a summer season pass is available.

Hudson Museum Exhibits

The summer schedule at the Hudson Museum features two photographic exhibits and the opening of a temporary show of root clubs.

Through July 20, the photo exhibit *Up River: The Story of a Maine Fishing Community* will be on display. A collection of photos by Cy Lehrer, *Egypt, Beyond Time*, will be exhibited beginning Aug. 5. The exhibit, *Root Clubs*, is on display through July 20.

Among the Hudson's permanent exhibits is its newest, *Cedar and Sea: Peoples of the Northwest Coast*.

People in Perspective

At the University of Maine, there's one person to call when a roof leaks, a sink clogs or a thermostat sticks. For more than two decades, Facilities Management work control has been synonymous with that one person known to many in the campus community simply as Sue.

"To most people on campus, who I am is work control, and that's OK," says Susan Bodyke, an administrative assistant I. "They just think of work control and think of me. I'm the one they know will answer the phone on maintenance calls."

A large part of Bodyke's job is as dispatcher, answering emergency and routine maintenance calls from across campus, and issuing work orders to the various trade shops in the department. As is true for other dispatchers, Bodyke must have the people-skills to deal with community members, the judgment to make decisions in crisis, and a general knowledge of what trade to tap – from custodial and carpentry to painting and plumbing – when dispatching the problem-solvers.

"Through the years I've had to learn the maintenance-side of things, including asking the right questions to get the request to the right shop," says Bodyke. "Some of the work involves a lot of technical equipment these days. Even my job has gone from handwritten paperwork to work orders via computer."

"There's always something new and that's one of the things I like about my job. It never gets boring."

Bodyke moved to Maine from Pittsburgh in 1974. She was working in District Court in Bangor when she applied for a position in Facilities. When she arrived for an interview, the engineering services position had been filled, but the work control slot was open.

Since then, Bodyke's job has been by the phone. Indeed, until recently, she was tied to the telephone via a headset, leaving her free to do her other duties, including billing. Now she uses a wireless headset attached to her belt so that, on occasion, colleagues now see her in the hall during her 7 a.m. – 3:30 p.m. shift.

Even with technological advances, Bodyke's job keeps her indoors and largely at a desk weekdays. She balances her career with out-of-office pursuits that involve active enjoyment of the outdoors. Five years ago she founded PATH – Penobscot Area Trekkers/Hikers, and just this month became a licensed Maine Guide.

On average every year, Bodyke issues 16,000 work orders for maintenance. The biggest customer is Campus Living. Some of the busiest days involve rainy weather, and occur at the start and end of each semester. Summer is the time for much of the project work undertaken by Facilities.

"There isn't a building on campus in which something doesn't go wrong sometime," says Bodyke. "That's why it's so important to have as much talent as we do here in the trade shops. If you called an outside company you wouldn't find the wide range of equipment, talent and experience that we have here."

"These are people who come forward to make sure things get done," says Bodyke. "Sometimes people don't realize how dedicated and talented they are. The best part of my job is working with the trades people – and with the customers on campus."

Compared to two decades ago when Bodyke started her career with Facilities, there are fewer trades people on campus. Fewer workers sometimes can mean delays in addressing maintenance needs across campus, but the work always gets done because of the dedication and caring for the campus on the part of Facilities staff members, many of whom have been members of the community for years.

The need for maintenance on campus never stops, and neither do the calls. That includes those inquiries that have nothing to do with work control.

"People call to ask what time it is. Or they'll call on a snowy day and ask if the University is open. I tell them we're here. We're always here," says Bodyke.



Sue Bodyke

Photo by Kathryn Rice

University Singers New York-Bound for a Carnegie Hall Debut

A long-time friend tried for two years to convince Dennis Cox to take his University Singers to New York's Carnegie Hall. Though flattered, Cox declined again and again, saying the Singers were just too busy with tours of the Northeast and Europe.

But late last year, Cox relented. The Singers, he agreed, would perform in Carnegie in May 1998, during his 20th year as a professor of music at UMaine.

The concert will mark the Carnegie debut for Cox and the dozens of current and former singers expected to join the group for a performance of Mozart's *Coronation Mass* — a 40-minute piece sung in Latin.

"The students and others taking part get the chance to sing in one of the world's greatest concert venues, with professional musicians backing them up," says Cox, who has taught and directed the Singers since 1978. "You mention the name Carnegie Hall, and everyone knows where that is."

Once Cox agreed to the concert, he had to find the 200 singers needed for the four-part chorus. University Singers alumna Debbie (Hoefler) Arenberg of Kittery heard of the proposal and saw it as a way to reunite former members of the Singers, most of whom still have fond memories of their days in the traveling group.

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Writing Center Marks End of Year with Record Numbers

The peer tutors of the University of Maine Writing Center have logged 1,418 tutoring sessions this academic year – a record number of one-on-one discussions about papers and the writing process.

Although the Writing Center officially opened its doors in the late '70s, the peer tutor program didn't start until the early 1980s. At that time, Harvey Kail began training undergraduate students in collaborative learning and ways to work with peers and their papers. Since then, approximately 15 undergraduate students have been trained each fall semester in ENG 395 to staff the Center.

When the first national peer tutoring conference was held at Brown University in 1981, UMaine peer tutors not only attended but presented a workshop. Over the past 16 years, peer tutors have represented the University of Maine in this academic arena, presenting workshops that investigated tutoring issues at national, regional, and state tutoring conferences. Their excellent presentations have made them a recognized name in the national and regional peer tutoring community.

In the 1995 fall semester, Kail organized a Tutor Homecoming, inviting all the peer tutors back for a celebration of the program's 15-year existence. Over that time, approximately 225 students had trained to work with writers and their papers. With members representing past courses and even the original tutors, the attending alumni related their writing center experiences to their current work, stressing tutoring as the most important part of their undergraduate studies.

Since the Writing Center opened, there have been five directors. The most recent, UMaine alumna Mary Bartosenski, is a former peer tutor. This is her last month, and Kail will return as director.

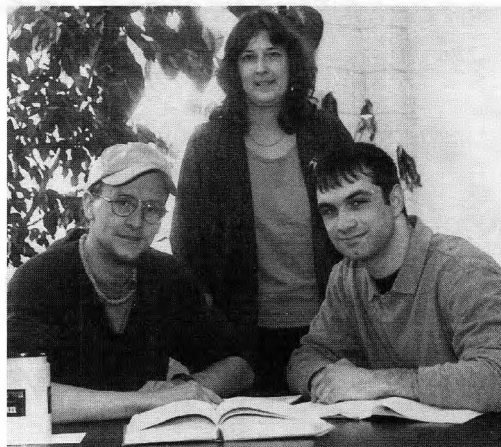
This spring, the Writing Center was staffed by 21 undergraduate peer tutors, each working an average of 4–6 hours weekly, and one professional tutor, Jane Morse, who works primarily with international students and their writing. Of the 21 undergraduates, two have been tutoring for three years, and nine have tutored for two years. Twelve tutors graduated this semester; nine will return to tutor in the fall.

Not all peer tutors are English majors; current tutor majors include social work, business administration, pre-law, political science, history, education and anthropology. What they do share is a common interest in writing, an aptitude for collaboration, an ability to express writing theory and process to others, and a desire to help writers better express their thoughts on paper.

Since the Center started keeping records of the number of tutoring sessions in 1989, there have been 7,179 tutoring sessions held in 402 Neville Hall. This year alone, the number of sessions has been 1,418 – more than 545 visits over the previous record.

"We do get a lot of business from the ENG 101 students. And, we've been seeing a growing number of international students in here for the past three years," says Bartosenski. "But it's more than that. Although we have not been tracking the number of visits in this way, I'm sure the writing intensive requirement does have something to do with the increased use of the Center. I think the word is finally getting out among the students about what a vital resource this place is."

The Writing Center is open fall and spring semesters Monday–Friday, 9 a.m.–noon and 1–4 p.m.; Monday–Thursday nights, 7–9. This spring, with the support of Campus Living, a satellite center was open for one hour Sunday nights in Somerset Hall. The Writing Center is available to all students, other members of the University community, and the public. The College of Arts and Humanities funds the Writing Center. ▲



ENG 101 writer Nathan Kenyon, right, had the 1,200th tutoring session at the Writing Center with peer tutor James Lainsbury. Also pictured is Writing Center Director Mary Bartosenski. In support of the Writing Center and its students, the University Bookstore donated a \$20 gift certificate, which was matched by the Center.

Photo by Kathryn Rice

NCAA Peer Review Team Headed to Campus in June

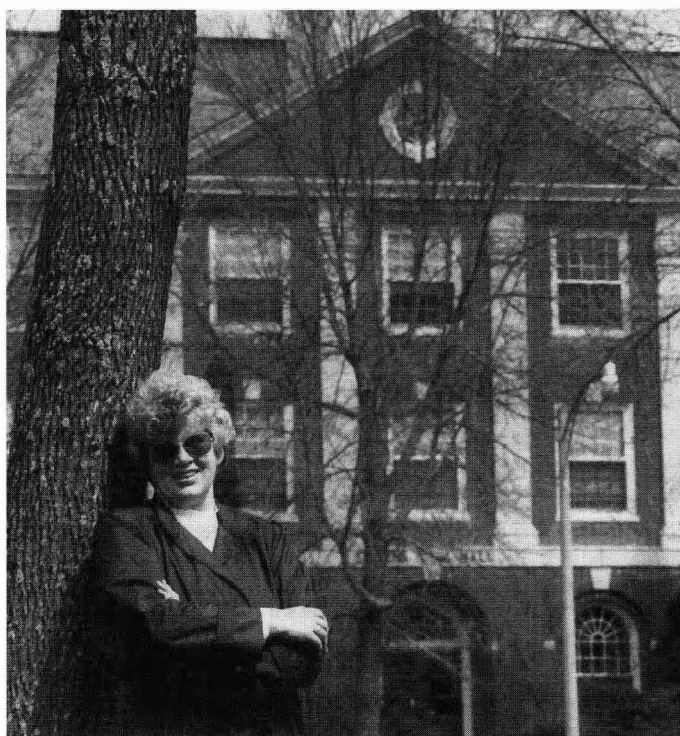
During the last academic year, the University of Maine has been engaged in a self-study of its athletic programs as part of the athletics certification process mandated by the NCAA. The certification process for Department of Athletics is very similar to accreditation for an academic department. After the Self-Study is completed, a peer-review team visits the campus to verify the accuracy and completeness of the Self-Study Report, verify broad-base participation in the self-study and evaluate conformity with the operating principles and the institution's mission and purpose.

The Peer Selection Subcommittee of the NCAA Committee on Athletics Certification has selected a Peer-Review Team for the University of Maine's evaluation visit which is scheduled from June 10–13. Leonard Plachta, president of Central Michigan University, will serve as the chair of the Peer Review Team. Others members are: James Hoyt, professor of journalism and faculty athletics representative at the University of Wisconsin, Madison; Pamela LaPan, compliance coordinator at the University of South Florida; and Helen Smiley, director of athletics at Western Illinois University. This Peer Review Team was chosen by the NCAA from the faculty and staff of member institutions. Subsequent to the visit, the Peer Review Team will prepare a report and make a recommendation regarding the institution's certification status. As with accreditation, three outcomes are possible. The institution may be certified, certified with conditions, or not certified. The NCAA Committee on Athletic Certification makes the final decision as to the certification status based on the recommendations of the Peer Review Team.

For your information, copies of the "University of Maine's Self-Study Report" are on reserve in the Fogler Library. If you have questions regarding this process, contact the Chair of the NCAA Certification Steering Committee, Vice President for Student Affairs, John Halstead, or Executive Assistant to the President, Bob Whelan. ▲

MAINE PERSPECTIVE PUBLICATION SCHEDULE

Maine Perspective will return to biweekly publication with the Aug. 25 issue (deadline Aug. 15). Submit event schedules for the upcoming academic year as early as possible for inclusion in the UMaine Calendar.



Nancy Dysart

Photo by Kathryn Rice

Nancy Dysart was asked twice to join the staff of the University of Maine General Alumni Association before she finally accepted. She expected only to stay five years. That was 1976.

Today, Dysart, vice president for alumni activities, has the longest tenure of anyone in the Association. She soon will be working with her fifth Association president, Jeff Mills, who, as an undergraduate, was one of two student reps Dysart helped name to the Alumni Board. Should there ever be an alumni museum created to house memorabilia and memories, Dysart will be its wellspring.

That sense of natural cycles and rhythms in University of Maine history is what Dysart is all about. Her deep-seated belief in students past and present is as staunch as her commitment to the ties that unite them. Hers is a passionate vision for the future of the University that is rooted in caring about people and an understanding about a sense of place.

"I've stayed at the University because of the total mix. It has to do with the extraordinary alumni I have a chance to meet like the Roger Castles, Brownie Schrupfs and Win Pullens who have such an impact on this institution and other people's lives. It's the opportunity to work with college-age students, faculty and other members of the University community. And Alumni Association staff, all of whom are totally committed to the advancement of the University, the students and alumni we serve."

Dysart's own ties to the University were formed as a high school senior living in Massachusetts. She already had been accepted to Bucknell, Bates and Middlebury when she visited a friend at the University of Maine. From the moment she walked on campus, she knew "this was home."

"I truly felt my soul had come home. I know it sounds corny but it's true. I visited students living in Chadbourne and met Dean of Arts and Sciences Joe Murray. It was the Arthur Hauck era – the best of all worlds. The University had support from the legislature and was supported by the people of Maine. It was a good time to be here."

Four of the best years of her life were spent at UMaine, Dysart says. An English major with a minor in education, Dysart was

The University of Maine's Cycle of Life

Throughout her 21 years in the General Alumni Association, Nancy Dysart has watched the ebb and flow of students past and present, and has anticipated the promise of those to come. Dysart knows students and faculty are the soul of this institution – her alma mater.

actively involved on campus – helping to found the sorority Alpha Chi Omega, serving on the Women's Athletic Association, and being president of the Student Activities Board. "In those days, there were four-hour comprehensives we had to pass at the end of our senior year covering all we learned. There were few off-campus students and only seniors could have autos. We were totally involved on campus, part of a family community. Those were the years of real Maine Days when faculty worked along side students on projects during the day, then performed skits in the Pit in the evening. I remember helping to build a sidewalk outside the Gym, side-by-side with President Hauck.

"Faculty had an extraordinary commitment to students far beyond the classroom. That left us with a deep-rooted sense of loyalty to the University. The biggest lesson I learned is, whenever I heard a knock at the door, I should never be afraid of the opportunity on the other side. The UMaine experience gave me faith in myself, faith in knowing I could face challenge as an opportunity for growth."

Following graduation in 1960, the first opportunity that came knocking was in developing new business communications programs for New England Telephone in Boston. In 1967, she saw an ad to teach in Bangor at the kindergarten-level. For the next five years, her classroom was in the living rooms of thousands of central and northern Maine youngsters as she starred in the local production of Romper Room. In 1972, Dysart worked for WLBZ Radio, serving as account executive, programmer, and even on-air personality for "Betts Book Corner."

In 1976, Dysart was recruited to join the Alumni Association as assistant director of alumni activities. At the time, the Association mirrored the changes that had taken place on campus over the past 16 years. Primary alumni activities focused on organizing Reunion Weekend and Homecoming. Alumni chapters were found only in Maine, Massachusetts and Florida. The Association staff worked on projects independent of one another.

"By the time I had returned, the campus had become much larger. There were buildings where there used to be forests and fields," says Dysart. "Enrollment was bigger. The relationship

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News at a Glance

GRADUATING NURSING CLASS DONATES TO AIDS NETWORK

Members of the School of Nursing's Class of '97 have given \$600 to the Eastern Maine AIDS Network.

Senior Bonnie Martin made the presentation to Denis Cranson, the group's director, during the School's annual Pinning Ceremony.

The class held a lottery in February that raised \$1,300. Several daily winners were named, \$600 went to the AIDS Network, and the balance used to defray costs of the Pinning Ceremony.

This was the fourth year the School's graduating seniors raised money for charity.

Eighty-three seniors received degrees in nursing this year.

DEPOT CHANGING VENUES

The Depot Recycling and Redemption Center, cooperatively funded by UMaine and Orono, is experiencing growing pains because business is good – too good. It experienced a 29 percent increase in recyclables and a stable business in deposited returnables during the past fiscal year. This exacerbated an already serious spatial problem. The Depot operates in a 1,450-square-foot space. However, it is handling the volume of a facility at least 200 times its size.

Currently the Depot has reduced the number of open hours in an attempt to curb the amount of business and sustain the ability of the facility to house the operation. The Depot is planning to move after July 1 to the Facilities Management Complex in a space adjacent to the Office of Resource Conservation and Recovery. Call 581-3300 to get more information and current operating hours for the Depot.

FARMERS' MARKET OPEN

For the fourth year, the Orono Farmers' Market will be open two days a week in the Steam Plant parking lot.

From now through October, the Market will be open 8 a.m. until sell-out every Saturday; 2-5:30 p.m. every Tuesday.

The Market this year includes 25 members, some new and many familiar producers and growers from as far away as Thorndike and Lincoln. Among the new products for sale will be sprouts and fresh lobster. This year patrons will again find goat milk products and even more selection of organic vegetables and fresh baked goods. As usual, the first markets of the season will feature bedding plants and hanging baskets, baked goods, eggs and produce in season.

For more information on the Orono Farmers' Market, contact member Emily Wesson, 866-3503.

MARYANN HARTMAN AWARD NOMINATIONS: DEADLINE JUNE 30

Kay Gardner Trish Riley Margaret Chase Smith
Joan Benoit Samuelson Judy Guay Lillian Labbé
May Sarton Eunice Nelson Baumann

What do all these women have in common? They all have been honored by the Women in the Curriculum and Women's Studies Program with Maryann Hartman Awards for Maine women of distinction. Named for the late Maryann Hartman, associate professor of speech communication, a most distinguished educator, feminist, scholar and humanist, three awards are given yearly to Maine women whose achievements in the arts, politics, sports, business, education and community service provide inspiration for women.

Do you know a woman you would like to nominate for the 12th annual Hartman Awards next fall? For a nomination form or more information, call Ami Pflugrad or Mazie Hough, x1228, or stop by the Women in the Curriculum Office, 101 Fernald Hall. To request a nomination form via e-mail, write apflug71@maine.maine.edu

PAGE MUSEUM ON RFD MAINE

Patrons of the Page Farm and Home Museum will recognize a familiar backdrop for Maine Public Television's *RFD Maine*. The six-part series, offering a window into rural Maine and the lives of its residents, features shots of the Museum, including its many exhibits that celebrate the state's rural heritage.

RFD Maine premiered May 19 and features shows every Monday at 8:30 p.m., through June 23. The segments are considered some of the best of the series that has aired over the past year. They include features on the Page Museum's oral history project in cooperation with the Maine Folklife Center, interviewing women and other members of farm families about their memories of rural life prior to 1940. Other segments focused on helping children learn about agriculture in hands-on ways look at Maine Agriculture in the Classroom and Healthy Foods from Healthy Soils.

RFD Maine is hosted by author Sanford Phippen, Class of '64, and involves other University alumni in its production.

COMPOST SCHOOL

A Compost School to train people interested or involved in medium- and large-scale composting operations is being offered by University of Maine Cooperative Extension.

Compost School will be offered June 23-27, Aug. 25-29 and Oct. 27-31, Witter Animal Science Center. Open to anyone interested in composting, the curriculum is designed for farmers, municipal operators/managers, recycling specialists, state and local regulators, public officials, compost marketers, and others. School faculty include numerous UMaine experts, as well as specialists from throughout the state and in New England.



Every year at the annual spring banquet sponsored by the UMaine student chapter of IEEE, the Department of Electrical and Computer Engineering (ECE) has been the recipient of a unique token of remembrance from the graduating seniors. Some years, the gifts have been in jest. This year, the oversized check for \$700 was no joke. The 50-member student organization donated part of the profits from its coffee shop to the Department to benefit student projects in both the senior and first-year ECE courses. The check was presented last month to

lecturer Eric Beenfeldt, who is in charge of the ECE Senior Project course sequence, as well as being one of the ECE faculty members responsible for revamping the introductory courses that have the potential to impact recruitment and retention. In the past, gifts by the student chapter of IEEE have been used to not only purchase equipment but to fund student tours of industry, conference travel and speakers. Student leaders of the group this year were, top left to right, Gina Kelso, treasurer; Heather Clark, president; Andrew Jordan, publicity manager; Jason Bard, vice president; and, front right, Nathan March, secretary. The check was presented to Beenfeldt, second from right. On hand for the presentation was Fred Irons, front left, counselor for the student chapter for almost two years.

Dysart *continued from page 4*

between faculty and students had changed dramatically. There were still profoundly committed faculty who believed in the ultimate expression of teaching, and others who went by the limits of their contracts. Student involvement with the Association was limited."

One of Dysart's first priorities was to open the lines of communication between the Association and students. Such advocacy for active student involvement has since become one of Dysart's hallmarks. She took it upon herself to get to know the generations of UMaine students who seemed so very different from the peers she knew in 1960. What she discovered is the thread that links class after class of University students and alumni.

"I soon found that the issues all young people face actually provide a bridge between generations," says Dysart. "Putting students with alumni, regardless of the differences between the generations, it was clear that everyone wanted to be proud of the university he or she attended. They want to feel they have really grown and achieved success, and want to share stories of the fun they had. I assign two students to each Reunion class and there they hear alumni talk about past college years, only to realize that today's ideas are not always original, that life experiences are a cycle. In turn, alumni want to talk to students about their frustrations with the institution, and what they find are so many students who are proud of this campus. They find students who are achieving extraordinary things, with more opportunities to participate in research than ever before."

For years, Dysart has been an advisor to All Maine Women, and has worked with the Senior Skulls, Sophomore Owls and Eagles, and supported Campus Living programs. With Dysart's leadership, the Alumni Association has been involved with the Career Center for the past decade, providing financial support and coordinating an alumni mentor program for students. "If we are going to provide understanding between alumni and students, the staff here has to constantly communicate with students," she says. "We need to reach out to them as undergraduates and make their experience better, enriching their living and learning."

"When I travel with members of the Student Alumni Association to district or national conferences, it is most rewarding and revealing to see Maine students understand that they do measure up and can compete. A lot of students need to leave Maine and this campus to truly appreciate what they have left behind."

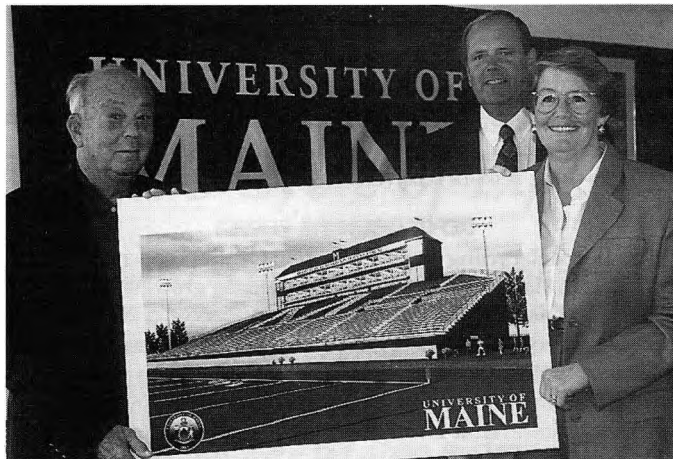
UMaine's soul is found in its students and faculty, Dysart says. "It has to do with extraordinarily skilled and talented teachers, and how they change students in the course of their studies. They do it for a lot less money than they would get elsewhere, but the faculty who are here chose to make that commitment. I am privileged to lead the search for the Distinguished Maine Professor every year, and there we hear students and faculty passionately presenting case statements. I have been so impressed by the way these faculty who are nominated impact the lives of students."

While academics make up the soul of the University, traditions are at its heart. Dysart, long-since the keeper and collector of UMaine traditions past and present, was a member of one of the many classes in which the Maine Hello was ingrained in first-year students as a standard practice. Today it is being revived as the theme for Student Orientation, under the direction of Campus Living.

Other UMaine traditions have evolved or been replaced by new ones, Dysart notes. In recent years, oozeball has become a new campus tradition on Maine Day. Sally the Bear that Dysart knew as a student has been replaced by Bananas. The carillon that once signalled class changes can again be heard tolling hourly. Even bed-sled races may soon return as a winter tradition with the help

of the Student Alumni Association. All are part of UMaine's cycle of life.

"Institutional traditions are as important as family traditions," says Dysart. "For many, they provide the ties, the memories on which students build their loyalty. Traditions become the symbols of the best experiences – and memories of UMaine." ▲



At the press conference announcing plans for the \$5 million sports stadium, benefactors Harold Alfond, left, and Phillip and Susan Morse showed off the conceptual plans for the facility.
Photo by Kathryn Rice

Stadium *continued from page 1*

The stadium, which will provide seating and accommodations for 10,000 spectators, will be named for UMaine benefactor Harold Alfond, whose \$2.5 million donation is the largest gift in support of the project. The all-weather playing surface will be known as Morse Field, named for Phillip and Susan (Keene) Morse of UMaine's Class of 1964 who contributed \$1.5 million for the project.

Hutchinson identified three major benefits of the new facility, which will cost a total of \$5 million:

- ▼ enhancement of the available facilities for use by UMaine students in recreational and varsity sports.
- ▼ improved conditions for participants in field hockey and women's recreational sports, as part of UMaine's efforts to satisfy federal guidelines regarding gender equity.
- ▼ the development of greater opportunities for outdoor events such as concerts, as well as opportunities for use by organizations outside the University.

Construction on the field is expected to begin at the completion of the 1997 football season. It should be ready for the fall 1998 sports season. The stadium facility is expected to be completed by fall 1999. Start of construction on the stadium is dependent on several factors, including the need to raise \$900,000 in additional funding for that phase of the project. Hutchinson expressed confidence that fund-raising efforts will be successful, leading to the fastest possible timetable for the project's completion.

The facility will be located on the current site of the football stadium, which will continue to be used until the new complex is complete. The Beckett Track and Field Center will be preserved during the construction.

"This project could not be done without the interests and generosity of Mr. Alfond and the Morses, three people who see the connection between the teamwork, self-discipline and determination necessary for success in sports, and the same attributes and their importance to success in academics and in life," Hutchinson said. ▲

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Making Waves by Computer Model

Waves might be great for surfers, but if you're trying to find a safe harbor to dock your boat, they can be a disaster. Vijay Panchang, associate professor of civil and environmental engineering, and his students have developed a computer model now being used to predict wave heights in harbors around the world.

The model is considered the most advanced of its type in the world, says Panchang. It provides architects and engineers with a crucial link between waves at sea and the forces which affect coastal structures such as marinas, sea walls and breakwaters.

"If you build a pier for loading and unloading cargo, you need to avoid creating conditions which will lead to large waves.

Operations are hampered if the ship rocks too strongly," says Panchang, "and the resulting down time is extremely expensive.

"The problem is resonance – the same principle which causes the tides in the Bay of Fundy to be so high. The size and shape of the Gulf of Maine just happen to resonate with the tides, and the result is some of the highest tides in the world. In the same way, waves can resonate with the shape of a harbor. Hard surfaces like concrete sea walls and breakwaters can also cause waves to reflect back into the harbor and make the problem worse."

The model provides a framework into which engineers and planners enter information about water depth, the harbor's shape and waves offshore. Once all the data have been entered, the program calculates predicted wave heights over a series of time steps. A visual interface displays the data in a view from a point directly above the harbor.

In Maine, the model has been used to evaluate proposed aquaculture sites. Over the past 15 years, it has been expanded for use in India, Australia, Hawaii, California and the Caribbean. During that time, two students have received their master's degrees and one a Ph.D. through work on the model.

Currently, Karl Schlenker, a master's candidate in civil and environmental engineering from Belfast, and Liu Zhao, a Ph.D. candidate from China, are developing new model components. In particular, they will enable users to predict wave directions and velocities, as well as height. These factors affect the harbor bottom and thus the movement of sediment, the foundations of structures and the location of military devices such as mines.

An additional model is planned to help engineers predict the degree of heaving or swaying a ship may encounter.

Panchang's work with ocean waves has extended to the use of satellite measurements to study patterns of waves over large areas. He has been supported by about \$750,000 in grants from public and private organizations, including the U.S. Army Corps of Engineers, the Naval Research Lab of the Naval Oceanographic Office, the Maine and California Sea Grant College Programs and the National Aeronautics and Space Administration.

Coastal Systems International Inc., Largo, Fla., has also provided funding for an adaptation of the model to several Caribbean harbor developments.

In addition, a new two-year grant for \$197,126 has been received from the Office of Naval Research. The work includes continued model development and application to new harbors. Support for two doctoral students and a post-doctoral position will begin in June. Improved wave prediction can help the Navy improve planning for amphibious operations.

For the last several years, Panchang has maintained a strong ongoing relationship with the Army Corps of Engineers, which is using the model for modifications to two harbors in Hawaii – Barber's Point and Kahului. He is also working on a project

funded by the University of California Sea Grant Program to renovate a harbor in Oceanside.

"Working on the West Coast poses some special problems. The water can get very deep a short distance off shore. As a result, the distance between wave crests can become quite long, and the model has to take in a larger area. If you don't match the model with the scale of the entering waves, the results you get would be meaningless."

As the model receives greater attention, it must be applied to increasingly complex circumstances, Panchang says.

Ripple Effects of Great Ponds

Tourist activities associated with Maine's Great Ponds generate about \$269 million in annual expenditures and support as many jobs as Bath Iron Works, according to new report from the University of Maine Water Research Institute. These expenditures contribute new money to Maine's economy, and they are only a portion of direct expenditures by all lake users, including Maine citizens, which amount to about \$1.8 billion.

The report was produced for the state's Great Pond Task Force, a body authorized by the legislature to create a Great Pond Strategic Management Plan. The legislature also directed the task force to estimate the value of Great Ponds to Maine's economy.

"We have always known that Maine's lakes and ponds add immeasurably to the state's quality of life," says Evan Richert, director of the State Planning Office and chairman of the Great Pond Task Force. "But we have never known definitively how much they contribute to our economic well-being. This report outlines in detail the significant economic impact great ponds have on the Maine economy."

The report was authored by Kevin Boyle, professor of resource economics; Jennifer Schuetz, a graduate research assistant in the Department of Resource Economics and Policy; and Steve Kahl, director of the Water Research Institute.

The legislature's Natural Resources Committee has been considering proposals, including new fees to support recreation management activities and a Lake Heritage Program in the Department of Environmental Protection.

Great Ponds are natural lakes larger than 10 acres or dammed waterbodies larger than 30 acres. Drinking water accounts for the largest use in terms of user-days per year, 104 million, and recreation is a distant second at 12.7 million user days.

"Maine's Great Ponds are an extremely valuable economic resource, as well as a stunning natural resource," says Boyle. "If only one message comes out of this work, it should be 'Do not kill the goose that lays the golden egg.'"

In addition to estimates of expenditures and jobs, the report notes that Great Ponds provide high net economic values associated with drinking water, boating, fishing, swimming and other activities. These values are a measure of "the enjoyment and pride Maine people take in their lakes."

Communities around Great Ponds also benefit substantially from property taxes paid by lakeshore property owners, the report says. Since many of these landowners are seasonal residents, towns receive a "windfall in tax revenue with very little provision of services."

The report also points out that efforts to protect water quality also protect the economic benefits of Great Ponds.

The 50-page report is available by mail for \$5 from Kim Junkins, UMaine Department of Resource Economics and Policy.

Carr Collection *continued from page 1*

important works by such artists as James Audubon, Mary Cassatt, Francisco Goya, Edward Hopper, George Inness and James Whistler. The UMaine Collection, the largest public collection of visual art in the state, also celebrates the long heritage of Maine art and artists, and includes works by such masters as Berenice Abbott, Winslow Homer, John Marin, Carl Sprinchorn and Andrew Wyeth.

Prior to the Carr gift, the University of Maine Collection included a general overview of American printmaking up to 1975, due primarily to the expertise and vision of UMaine museum founder Vincent Hartgen. Works on paper, including paintings and drawings, constitute 85 percent of the 5,400-piece Collection; of them, prints make up to 90 percent. The Carr Collection nearly completes the years from 1960–1988.

"The most important thing is that now these pieces can be seen and are available to the public," says Rob Carr, Robert Carr's son. "They are of value to artists and those in art history. In keeping with the general purpose of art, I hope when people view these prints they will see what the artists were trying to communicate. More specifically, there are a lot of ways (this Collection) can be used as a resource to the University."

Art collecting was a pursuit of Robert Carr's that began when he retired in 1980. Robert Carr, a native of Bridgeport, Conn., graduated from UMaine with a bachelor's degree in civil engineering. He made his living in the travel and insurance industries. Rob Carr describes his father as a publically humble man who "had a strong sense of purpose for the improvement of life beyond him." His contributions to the city of Torrington, including to its hospital, and to the University of Maine are examples of that vision of community betterment in the two places that significantly contributed to Robert Carr's success in life.

Robert Carr was a collector of different items all through his life, but prints made up the last of the collections he started and most enthusiastically pursued. Robert Carr had a life-long appreciation for art, but when it came to investing, he calculated his resources and knew that he could develop a broader, more worthwhile body of artwork by collecting prints. He purchased an estimated 300 works in a span of 10 years. A third of the works were bought through London's Waddington Gallery. Robert Carr displayed the pieces in his homes in Connecticut and Florida.

According to Rob Carr, some of the pieces his father most treasured were the most colorful, including those by Jim Dine and Frank Stella.

"A lot of people who collect are not necessarily astute about the pieces," says Mason. "Robert Carr's library includes cases of art books, periodicals, research documents and exhibition catalogues. He bought pieces sold only to collectors that are not found on the open market. Robert Carr also bought works that are difficult – intellectually difficult and extremely challenging visually. But he understood their importance, like the relationship between an A.R. Penck and a Karl Schmidt-Rotulff. One, an artist of the 'Brücke' group in Germany in the teens and twenties, the other a neo-expressionist responding to the horrors of his country during and after the Holocaust.



Reclining Nude, 1980, by Roy Lichtenstein, from *Expressionist Woodcuts*, Woodcut with embossing.

"Typically someone collecting at this level has counseling on purchases, whether it be a consultant or a curator. Robert Carr is a self-made man, a connoisseur. He understood the works of art and art market, and what pieces would hold or increase in value. For example, a Lichtenstein print he purchased in 1980 for \$1,000 is now valued at over \$30,000. A Kaethe Kollwitz in the collection is one of five pieces in existence. A suite of prints by Elizabeth Murray that set the tone for contemporary printmaking was in a Museum of Modern Art exhibit last September. Many of the works are editions from as little as 8 to as high as 100.

"This is a collection particularly strong in German expressionism.

Robert Carr's heart was in contemporary prints but intellectually he knew he needed to collect something else. That's when he concentrated on German expressionism."

Printmaking is often a way to revisit ideas, or a way to begin to develop an image, notes Mason. Equally important, printmaking is a collaborative process, often very different from the solitary activity involved in painting in the studio. "Prints are made in collaboration with master printers and large print publishers, sometimes with eight to 10 people assisting the printer and the artist in the editioning of prints. It is a process that stimulates artists to think in new ways. The best printers not only see like the artist, they anticipate the next move, act as critic and often, taking ideas and expanding upon them, allow the artist to concentrate on the delivery and not be burdened with the technical challenges of the medium, which are formidable," says Mason.

In the United States, printmaking began to become a popular artform in the mid-1960s. This may be due in part from the shift in content that Pop artists imbued on the culture. Artists such as Andy Warhol and Robert Rauschenberg were already employing printing techniques in their work, so the notion of multiple editioning made complete sense because they understood the medium and the financial attributes of creating multiples. The history of printmaking can be traced to Europe and Asia, with techniques dating back to 17th century Japanese works echoed in 20th century masterpieces like those of Italian artist Francesco Clamente. Other printmakers like Lichtenstein reinterpret from the German expressionists.

"Those are stories we can now tell with these works, and that is our intention," says Mason.

The Museum's mandate is to be a good steward, to interpret works so the public can gain experience and knowledge, but most of all, to facilitate the opportunity to experience these important pieces first-hand, says Mason. "We need to start more sharing and interpreting of the University Collection with the public. That's one of my first goals this summer."

Works from the Carr Collection will be included in summer shows at the Museum of Art, including *Selections from the Permanent Collection*, running through July 16, and *Mimmo Paladino: Prints*, on display through Aug. 1. An exhibit of German works on paper, *Circumstance and Intuition*, opening Aug. 15, is based on expressionist prints largely from the Carr Collection. ▲

Mary Ellen Camire, associate professor and chair, Food Science and Human Nutrition; **Dale Violette**, Chemical Safety; **Michael Dougherty**, Food Science & Human Nutrition; and **Michael McLaughlin**, U.S. Food and Drug Administration: "Potato Peel Dietary Fiber Composition: Effects of Peeling and Extrusion Cooking Processes," *Journal of Agricultural*

and Food Chemistry, 45:1404-1408 (1997).

Darrell Donahue, assistant professor of bio-resource engineering; **Robert Bayer**, professor of animal, veterinary, and aquatic sciences; **Therese Work**, food scientist in food science and human nutrition; and **John Riley**, professor of bio-resource engineering: "The Effect of Diet on Weight Gain, Shell Hardness, and Flavor of New-shell American Lobster, *Homarus americanus*," *Journal of Applied Aquaculture*, 7:4 (1997).

Margaret Lukens, assistant professor of English, a biographical article on the Dakota woman writer, Zitkala-Sa, in volume 175 of the *Dictionary of Literary Biography, Native American Writers of the United States*, edited by Kenneth Roemer. The volume contains articles on 43 writers, living and dead, and is the most up-to-date reference work on Native American writers now available.

Vijay Panchang, associate professor, and **G. Cheng**, former graduate research assistant, both of the Department of Civil Engineering, and C. Newell, Great Eastern Mussel Inc., Tenants Harbor: "Modeling Hydrodynamics and Aquaculture Waste Transport in Coastal Maine," *Estuaries*, 20(1):14-41 (March 1997).

John Moring, professor of zoology: "The Legacy of Julia and Emelie Melville to Theater of the West," *Journal of the West*, 36(2):24-31 (1997). Also, **Merrie Cartwright**, graduate student in zoology, former graduate student **Michael Cole**, and Moring: "Where'd They Go, Anyway?: Tracking Black Bass Movements," *Maine Fish and Wildlife*, 39(1):12-15 (1997).

Computer Science Professor **George Markowsky**: "An Introduction to Algorithmic Information Theory," *Complexity* (March/April 1997).

Ralph Townsend, professor of economics: "Byggdskvoti i Alaska (Community Quotas in Alaska)," translated into Icelandic by N. Einarsson, *Stafnbui*, 5:22-27 (1997).

Phillip DeMaynadier, research associate, Department of Wildlife Ecology, and **Malcolm Hunter Jr.**, Librarian Professor of Conservation Biology: "The Role of Keystone Ecosystems in Landscapes," book chapter in M. Boyce and A. Haney (editors): *Ecosystem Management: Applications for Sustainable Forest and Wildlife Resources*, Yale University Press, New York.

Eugene Del Vecchio, associate professor of Spanish: "La escritura en las Escenas de Madrid de G.A. Becquer," *El Gnom*, 5:65-75 (1996).

Raymond O'Connor, professor of wildlife ecology; **Malcolm Jones**, research associate, Department of Wildlife Ecology; D. White, Oregon State University; C. Hunsaker, Oak Ridge National Laboratory; T. Loveland, EROS Data Center, USGS; B. Jones, USEPA, Las Vegas; and E. Preston, USEPA, Corvallis: "Spatial Partitioning of Environmental Correlates of Avian Biodiversity in the Conterminous United States," *Biodiversity Letters*, 3:97-110.

Philip Stack, manager, Maine Agricultural and Forest Experiment Station greenhouses, and **Francis Drummond**, associate professor of entomology, Department of Biological Sciences: "Reproduction and Development of *Orius insidiosus* in a Blue Light-supplemented Short Photoperiod," *Biological Control*, 9(1):59-65 (1997). Also, P. Stack, with **Lois Berg Stack**, associate professor, Cooperative Extension, and Drummond: "A Two-year Grower Survey of Thrips and Tospovirus Incidence and Management in Maine Greenhouses," *Journal of Agricultural Entomology*, 14(2):205-24 (1997).

Mary Ellen Camire, associate professor and chair, Food Science & Human Nutrition, Susan Ismail, Kerry Foods, and **Robert Bayer**, professor of animal and veterinary sciences and executive director of the Lobster Institute: "Frozen Soft-shell Lobster Quality," Sea Grant publication MSG-TR-97-1 (May 1997). And Camire with **Iwan Surjawan**, doctoral candidate in food and nutrition sciences, and **Terry Work**, senior food scientist: "Lowbush Blueberry Puree and Applesauce for Oil Replacement in Cake Systems," *Cereal Foods World*, 42(5):405-408 (1997).

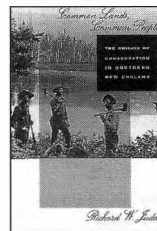


Stolen Island Review and Maine Review

Stolen Island Review, the annual literary magazine of the graduate English program, and *Maine Review*, UMaine's undergraduate literary publication, are now in the University Bookstore. Among the highlights are *Stolen Island*'s publication of poetry and fiction works taking top honors in the 1997 Steve Grady Prize for Creative Writers, and *Maine Review*'s foreword by Sanford Phippen, UMaine Class of '64.

V O L U M E S

Recent Works by University of Maine Authors



Common Lands, Common People: The Origin of Conservation in Northern New England
By Richard Judd
(Harvard University Press, 1997)

Common Lands, Common People studies the rise of the conservation movement in northern New England in the mid-19th century. Professor of History Richard Judd uses agricultural journals

and archival sources such as legislative petitions to demonstrate that debates over access to and use of natural resources drew strength from popular notions of common rights to nature.

Judd divides the history into four sections: Foundations, which discusses the Northeastern frontier and the commons in transition; Common Lands, covering the treatment of nature, and the conflict between the notion of common stewardship and private forests; Common Waters, focusing on the politics and conflicts involving the fisheries; and Rural Traditions, discussing tourism's role in the conservation movement and those of tradition and science in coastal fisheries.

The author also includes historical photographs illustrating pioneering and land clearing, hunting and fishing, and the growth of places such as Camden, Kennebunkport and Buzzards Bay, Mass.

Common Lands reveals that the roots of the 19th century movement to conserve natural resources lay deeper than the traditional conflicts of democracy and monopoly, amateur and professional, utilitarian and aesthete. Instead, Judd suggests that the movement grew from complex social forces that included traditional folk values, resource management and shifting class interests.

Through his work, Judd shows that the conservation movement that eventually swept the rest of the country had roots among the communitarian ethic of country people. As they struggled to define the morality of land and water use, they helped define this country's conservation legacy.

Common Lands is Judd's fourth book.

Maine Sea Fisheries Reels in Awards

Maine Sea Fisheries: The Rise and Fall of a Native Industry, 1830-1980, has garnered two book awards for its author, Wayne O'Leary, research associate in history. *Maine Sea Fisheries* has received the John Lyman Book Award from the North American Society for Oceanic History as the "Best Book in American Maritime History Published in 1996." O'Leary also has been chosen as the 1997 recipient of the Captain W.J. Lewis Parker Award from Maine Maritime Museum for outstanding contributions to Maine maritime history.

Maine Sea Fisheries, published this year by Northeastern University Press, uses narrative and detailed analysis to relate the complex saga of the rise and fall of Maine's deep-sea fishing industry in the 19th century. Competing with immense industries in Massachusetts and Nova Scotia, the Maine fisheries were of major significance in the maritime history of the United States.

Peggy Agouris, assistant professor of spatial information science & engineering, and NCGIA senior researcher, was awarded the VI Talbert Abrams Award by the American Society for Photogrammetry & Remote Sensing (ASPRS). This award honors annually the best publication in the field of photogrammetry. Agouris received the award for her paper: "Automated

Aerotriangulation Using Multiple Image Multipoint Matching," which was published in the journal: *Photogrammetric Engineering & Remote Sensing*, June 1996.

Anthony Stefanidis, senior research associate with the Department of Spatial Information Science & Engineering and the NCGIA, presented a paper: "Digital Photogrammetric Techniques for Transportation Data Acquisition and Management," at the Annual Conference of the Transportation Research Board, Washington, D.C. The paper, co-authored by **Peggy Agouris** and **Kate Beard**, both faculty in the Department of Spatial Information Science & Engineering, and NCGIA senior researchers, was accepted for publication in an upcoming issue of *Transportation Research Record*.

Mary Bird, instructor of science education, attended the National Science Teachers Association's annual conference April 3-6 in New Orleans, where she presented two papers: "Electronic Journals: Thinking On-line with Pre-service Teachers" and "Science KeyPals: Electronically Linked for Learning." A paper by **Herman Weller**, associate professor of science education: "All 'Glittering' Computer Uses in Science Teaching Are Not Golden," was also presented. In addition, presenting at the conference was **Robin Guptill Benoit**, UMaine graduate and now a second-year science teacher in Ashland, Mass. Her presentation: "Doing What Scientists Do," was based on her senior research project.

Robert Cobb, dean of the College of Education, was guest speaker at the annual state convention of Alpha Psi, the international honor society for women educators. His address centered on the College's new Professional Development School program and the state's move toward performance-based teaching and learning. The convention was May 2-4, Black Bear Inn.

Peiying Yang, doctoral candidate in food and nutrition sciences, and **Dorothy Klimis**, associate professor of clinical nutrition: "The Effect of Dietary Manganese on Arterial Glycosyltransferase Activity in the Endothelium," FASEB annual meeting, New Orleans, April 8.

The following presentations were made March 6-9 at the American Society for Environmental History, Baltimore – **Richard Judd**, professor of history: "Defining Wilderness in the 1960s: The Politics of Wild and Scenic Designation for the Allagash and Rogue Rivers"; **Kimberly Sebold**, Ph.D. candidate in history: "The Incorporation of New England's Salt Marshes: The Impact of Diking Companies on Community and Landscape"; and **Tina Roberts**, master's candidate in history: "A Land Divided: Maine Women, Class, and Conservation, 1880-1920."

Peggy Agouris, assistant professor, **Anthony Stefanidis**, senior research associate, and **James Carswell**, Ph.D. student, all with the Department of Spatial Information Science & Engineering and the NCGIA, attended the Annual Conference of the American Society for Photogrammetry & Remote Sensing (ASPRS), Seattle. Agouris gave presentations: "Scale and Accuracy Issues in the Use of Orthoimagery within NSDI," and "General Purpose Digital Image Processing Tools in Support of Photogrammetric Applications." Stefanidis and Carswell gave a presentation: "Digital Image Retrieval Using Queries on Shape Information." The papers are published in the conference proceedings. Travel expenses for Carswell were partially covered by the UMaine General Alumni Association.

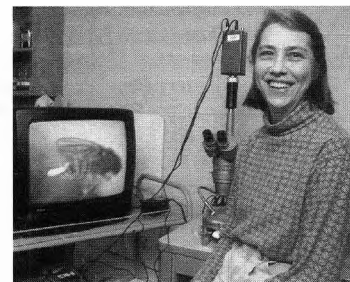
Eugene Del Vecchio, associate professor of Spanish, presented: "The Celtic Locus Amoenus in Julio Iamazaes' Poetry," 6th Ibero-American Culture and Society Conference, Albuquerque, Feb. 12-14.

The College of Natural Resources, Forestry and Agriculture gave three awards recently at its spring faculty meeting. Outstanding Forest Resources Faculty Awards were presented to **Louis Morin**, instructor of forest resources, who received the G. Peirce and Florence Pitts Webber Outstanding Forestry Teacher Award, and **Ivan Fernandez**, professor of applied ecology and environmental sciences, who received the G. Peirce and Florence Pitts Webber Outstanding Forest Resources Researcher Award. The awards were named in honor of the couple who directed Webber Timberlands of Bangor, one of Maine's largest land management companies. The Fund was established with the University Foundation to recognize excellence in research and teaching in forest resources. The Sustainable Agriculture Salary Improvement Award was presented to **Vaughn Holyoke**, Extension crops specialist emeritus. The award has been given by an anonymous donor in appreciation of assistance she received from faculty in agronomy and animal husbandry.

Mary Tyler, University of Maine professor of zoology, has received the Inspiring Professor of the Year Award from a newly created board of the undergraduate student government.

Tyler teaches highly popular laboratory and lecture courses in embryology and is the author of a widely used laboratory manual on the biology of developing organisms. Her recently completed educational video, *Fly Cycle: the Lives of a Fly, Drosophila melanogaster*, is currently being distributed by Sinauer Associates of Sunderland, Mass.

The University Survey and Award Board conducts an evaluation process of faculty and courses at UMaine. "Her selection is a result of an overwhelming consensus among her students who were surveyed in 1996," says Ben Meiklejohn, chair of the board. "What makes the University Survey and Award Board unique is that the evaluation process is completely student-run. The recipient is chosen entirely by students, unlike any other award granted at the University of Maine for teaching skills."



Mary Tyler

Three University of Maine faculty members are among the 23 Maine educators being recognized for creating innovative ways to teach mathematics and science by the Maine Mathematics and Science Alliance and the Maine Center for Educational Services. SEEDS for Mathematics and Science Fellows for 1997 include **Rand Harrington** of the College of Education and Department of Physics and Astronomy, and **Bob Franzosa** and **Charles Slavin** of Mathematics. SEED Fellows represent an effort to enhance science and mathematics courses, stimulate professional conversation about teaching and learning in the college setting, and improve the preparation of teaching.

Marie Hayes, associate professor of psychology, and former student **Susan Herrick** presented: "Distribution and Organization of Motor Activity During Sleep in School-aged Children," at the international biennial meetings of the Society for Research in Child Development in Washington, D.C., April 2-6.

Hemant Pendse, professor of chemical engineering, and director of the Industrial Process Control and Sensor Systems (IPCoSS) Program, presented a paper: "Sensors for Industrial Slurries as Virtual Analyzers of Mat Quality," at the Engineering Foundation Conference on Control of Particulate Processes, held in Delft, the Netherlands, April 6-12.

Joann Kovacich, director of the Interdisciplinary Training for Health Care for Rural Areas Project (ITHCRA) presented: "Academic Community Partnerships Health Education Planning: Six Month Progress Report," for Bureau of Health Professions, Restructuring Health Professionals' Education for the Emerging Health Care System: A Cross-Program Conference for Integrative Learning, April 6, Columbia, Md. She also presented, by invitation: "Working Together: An Overview of Interdisciplinary Teaming," at the 1996-97 Multidisciplinary Psychiatric Grand Rounds, Acadia Hospital, Bangor, in February. Kovacich, in collaboration with C. Hawk, C. Woodfield, S. Savoie, R. Bruns, and D. Bruns, presented: "Development of a Computer-based Interdisciplinary Training Course: A Collaborative Interprofessional and Interinstitutional Effort," at the Association of Chiropractic Colleges, 4th Annual Educational Conference, San Diego, in March. ITHCRA students **Jane Harris-Bartley**, social work; **Diana Dorhofer**, clinical psychology; and **Rachel Hartley**, rural FNP, presented a poster session: "Hancock Healthsource," at the National Association of Social Workers Maine Chapter, Bangor, April 10.

John Moring, professor of zoology and assistant leader-Fisheries, Maine Cooperative Fish and Wildlife Research Unit, and **Merry Gallagher** and **Lia Daniels**, graduate students in zoology, attended the Northeast Fish and Wildlife Conference, Framingham, Mass., April 27-30. Moring presented a paper: "The Creation of the Nation's First Salmon Hatchery in Craig's Brook, Maine." Gallagher presented a paper: "The Status of Redfin Pickerel (*Esox americanus americanus*) and possible Hybridization with Native Chain Pickerel (*Esox niger*) in Maine Waters." In addition, Moring received the Dwight A. Webster Memorial Award April 29 at the annual banquet of the Northeastern Division of the American Fisheries Society. The Webster Award is presented to a person who has done significant academic and technical work in the fisheries profession, and who has made outstanding contributions to fisheries science in the Northeast.

CED staff represented UMaine at the annual meeting of the University Continuing Education Association (UCEA) in Louisville, April 11-14, where **Barbara Howard**, academic advisor, presented a paper: "Collaboration Between Different Institutional Types: A Continuing Education Model for Student Advising," and received the Career Counseling, Advising and Adult Student Services Award for CED's collaborative advising program. **Jim Toner**, associate director of CED/SS, (with **Val Williams** of Public Affairs), received the 1997 Marketing Gold Award for the mixed media category for the 1996 Summer Session marketing plan, as well as the Bronze Award for the 1996 Summer Session poster. Additionally, **Robert White**, director of the Division of Lifelong Learning, was an invited speaker on the topic: "Restructuring Your University and Continuing Education Unit for the 21st Century," in which White focused on the AFFIRM plan; collegiate restructuring from 1988; and the establishment of the Division of Lifelong Learning, including CED/SS, Bureau of Labor Education, Peace Studies, Onward, and the Women's Resource Center.

The following papers were given at the 89th Meeting of the National Shellfisheries Association, April 21-24, Fort Walton Beach, Fla.: **Maya Crosby**, School of Marine Science (SMS) graduate student; **Katherine Boettcher**, SMS postdoctoral researcher; and **Bruce Barber**, associate professor of marine science: "Development of a Rapid Identification System to Study the Natural Flora of the Eastern

Oyster, *Crassostrea virginica*." **Ryan Carnegie**, SMS graduate student; **Daniel Distel**, assistant professor of biochemistry, microbiology, and molecular biology; and Barber: "Amplification and Sequencing of the *Bonamia ostreae* 18s rDNA Gene: Phylogenetic Considerations and Applications." **Christopher Davis**, marine bioresources graduate student; Crosby; Barber; and **Robert Hawes**, professor of animal, veterinary & aquatic sciences: "Genetic Selection in Oysters for Growth and Resistance to Juvenile Oyster Disease (JOD)."

Eight University of Maine faculty, students, and staff members served as judges for the Downeast Tattoo Show in Bangor, May 20. The judges served at the invitation of tattoo show organizers Al Cook and Ed "Wiz" Dumont of Wiz Tattoos in Brewer. Categories included best large tattoo, best small tattoo, best blackwork, best backpiece, best portrait, best realistic tattoo, most unusual tattoo and best of show. The judges also attended a seminar in tattoo evaluation conducted by David Long of Skinetic Studio, Oromocto, New Brunswick. UMaine judges were **Kathy Cook**, graduate student, history; **Cindy Eves-Thomas**, graphic artist, Cooperative Extension; **Laurie Hicks**, associate professor of art; **George Lavole**, student, art education; **Yvonne Mazerolle**, graduate student, liberal arts; **Owen Smith**, associate professor of art; **Christine Whittington**, social sciences and humanities reference librarian, Fogler Library; and **Stephen Whittington**, director, Hudson Museum.

Martin Stokes, professor, **Charles Wallace**, associate professor, graduate assistant **Shuyun Zheng**, and **Yanbing Wang**, animal, veterinary and aquatic sciences, attended the Joint Northeast Sectional Meetings of the American Dairy Science Association and the American Society of Animal Science, University of Connecticut, April 17-19. Zheng made an oral presentation in the graduate student paper competition: "Effects of Fibrolytic Enzymes on Feed Stability and Performance of Lactating Cows," co-authored by Stokes. Two posters were presented: "Effects of Carbohydrase Enzymes on Grass Silage Fermentation and Composition," Stokes and Wang; "Effects of Carbohydrase Enzymes on Forage Digestion and Ruminant Passage in Early Lactation Cows," Stokes, Zheng, Wang and **Katherine Davis-Dentici**, research technician in animal, veterinary and aquatic sciences. Stokes moderated a symposium: "Progress Through Collaborative Efforts: Can a Team

Approach Work in Academia?" in which four speakers from different areas of the Northeast reviewed current efforts to regionalize our teaching, research, Extension and interaction with industry. Stokes and Wallace then attended a NE Regionalization Committee meeting April 19. Stokes, president of NE ADSA until July, will represent the Northeast at the National ADSA meetings in Guelph, Ontario, June 21-25.

At the History of Women in Maine symposium April 5, sponsored by the Margaret Chase Smith Library and the Maine Historical Society, Margaret Chase Smith Library, Skowhegan, the following presentations were made – **Mazie Hough**,

Ph.D candidate in history, "In Place of Kin": The Good Samaritan Home of Bangor, Maine"; **Tina Roberts**, master's candidate in history: "Women Sport Guides, Sportcamp Proprietors, and Women's Outing Clubs, and Their Perceptions of Nature"; **Pauleena MacDougall**, folk-life specialist at the Maine Folklife Center: "Weaving a Basket Full of Profit: Native Women Adapt to an Industrial World"; Dale Sperry Mudge: "Maine Yarns: Wool Textiles among Acadian Women in the St. John River Valley"; **Marli Weiner**, assistant professor in history, moderated the session: "Professional Women"; **Carol Toner**, research associate in history, moderated the session: "Maine Women at Work."

BARKER RECEIVES NATIONAL, STATE HONORS



Sharon Barker and Mabel Wadsworth

Sharon Barker, director of the Women's Resource Center at the University of Maine, is the recipient of two prestigious honors – a statewide award for her contributions to feminist principles in women's healthcare, and a national award for her work in women's rights significantly impacting education and the achievement of equal opportunity for women and girls.

Barker received the Mabel Sine Wadsworth Women's Health Achievement Award in a ceremony earlier this month in Bangor. In July in Atlanta, she will receive the National Education Association Mary Hatwood Futrell Award at NEA's annual meeting.

The Women's Health Achievement Award is named in honor of Wadsworth, a life-long political activist dedicated to issues that affect women's health, a staunch advocate for the underserved and poor, and namesake of the Mabel Wadsworth Women's Health Center. Wadsworth was the first recipient of the award, presented by the center; Barker the third.

The NEA annually presents 14 human and civil rights awards. The Futrell Award is named for the president of Education International, an organization devoted to enhancing the rights of women worldwide. Futrell increased national awareness of the Equal Rights Amendment during her presidency of ERAmerica, and made NEA a leading champion of women's rights during her three terms as president.

Barker, who was raised in Fort Fairfield, has directed the Women's Resource Center for more than five years. She received two degrees from UMaine – her bachelor's in psychology in 1971 and a master's in public administration, with a focus on organizational structure and function, in 1987. Barker's life has been dedicated to improving the health and lives of women. An activist and leader in the women's rights movement for the past 25 years, her contributions are as extensive as they are precedent-setting.

In 1972, Barker organized the first consciousness-raising group for women in Aroostook County. As coordinator of the Penquis Family Planning program, Barker developed innovative approaches to delivering women's healthcare services, positively impacting the lives of thousands of women during her decade-long tenure.

In 1984, Barker co-founded the Mabel Wadsworth Women's Health Center, serving as president and a board member for many years. She has given her time and skills to a variety of organizations devoted to women's issues, and is a member of Rep. John Baldacci's Advisory Committee on Juvenile Crime, Domestic Violence, Drug Abuse and Hate Crimes.

At UMaine, she received the 1995 Steve Gould Award.

Global Sciences *continued from page 4*

Arrangements are also being made for a special wind-sculpted Antarctic rock to be brought to the student areas on the third floor. The rock was brought to the United States in honor of Admiral Richard E. Byrd and is being donated by his family.

The Percent for Art awards for the facility went to Maine-based artist Alan Magee of Cushing for a painting, David Rosenthal of Alaska for five Antarctic paintings, and George Mason of Damariscotta for carved brick panels reflecting two themes: the spirit of geology and the spirit of Quaternary.

Geology has been taught at the University since shortly after it opened in 1865. The discipline was part of various academic departments up until 1966, when the Department separated from civil engineering and for the first time was free-standing in the College of Arts and Sciences. The Institute for Quaternary Studies began in 1975, and has since become a world-class teaching and research unit.

The realization of the long-awaited facility was made possible by a private-public partnership with Edward Bryand of Saco, a member of the Class of '52, leading the private support. His gift of \$1 million was raised as part of the \$54.4 million Campaign for Maine, the five-year fund-raising effort completed in 1995 and the first comprehensive campaign ever launched by the University.

Other funding for the building included \$5 million from the state as part of the 1988 University of Maine System bond issue. The U.S. government appropriated \$1 million from the Environmental Protection Agency.

In addition, Bryand made a \$200,000 challenge pledge to enable the University to apply for National Science Foundation grants totalling as much as \$750,000 to outfit the Global Sciences Center with state-of-the-art equipment, including the Computer Teaching Laboratory hardware, an X-ray diffraction unit and a mass spectrometer. The first two items have been successfully obtained through proposals submitted to the National Science Foundation by Assistant Professor Cinzia Spencer-Cervato and by Professor Charles Guidotti, Research Professor Ed Grew and Yates. This marks the first time UMaine has submitted proposals to NSF with private funds providing the institution's portion of the match.

The Global Sciences Center is named for Bryand, who graduated from UMaine with a degree in engineering, is the inventor of the honeycomb roll used extensively by the paper industry to dry paper. His development of the Honeycomb THRU-DRYER™ at the Biddeford-based company that he founded has

UMaine Cooperative Extension

The fourth annual Maine 4-H Teen Conference, June 27-29 on campus, will focus on the theme: "4-H: Where Dreams Become Reality." Organized by the Maine 4-H Teen Council, made up of teens from across Maine, the 4-Hers will participate in Learning Sessions on such topics as interactive theatre, the Internet, starting a business and international travel. In addition, they will help with the 4-H ad campaign, learn how societal messages helped shape their lives, paddle a kayak, and even create a homepage for Maine 4-H.

Aug. 7-10, teens from across New England will gather on campus for the 2nd Annual New England 4-H Teen Conference. Designed to help teens strengthen leadership and communication skills, the event is planned and implemented by a team representing 4-H teens from all six states, with support from Extension professional and volunteer staff. This year's theme is "Ethics in Leadership." The teens plan to shape the conference around educational programs called "Character Counts."

been used worldwide to make soft paper tissue products. Today, the honeycomb roll has applications in the manufacture of such diverse products as audio-video tapes and geotextiles used in road construction. Bryand's association with the UMaine Chemical Engineering Department began when he was developing the honeycomb dryer using the Pulp and Paper Foundation's pilot plant dryer. Since then, Bryand has been actively involved with the Pulp and Paper Foundation, General Alumni Association and University Development Council. The many contributions from him and his wife, Dolly, to the University over the years include the establishment of the Edward T. Bryand College of Engineering Professorship. ▲

Zeman in *Parents Magazine*

A study of anger in children was the subject of a news item in the May issue of *Parents Magazine*. "Feeling Mad? Tell It to Mom" detailed a study by Janice Zeman, assistant professor of psychology, that found that by the time they are 8, children try to control their anger, especially in front of their fathers and their peers. However, they're more likely to express such emotions to their mothers.

Plucker Talks with *LA Times*, *Baltimore Sun*

Jonathan Plucker, assistant professor of educational psychology, is a resource in a recent *Los Angeles Times* Syndicate column about the characteristics and challenges of intellectually gifted adolescents. In addition, he interviewed with a writer from *Today's Parent Magazine* about positive benefits that can come out of children's activities that are often perceived as negative by parents and society, such as watching scary movies, reading comic books, and freely surfing the Internet. And he interviewed with the *Baltimore Sun* for a story about the coping strategies of high-achieving adolescents in response to the pressure of expectations and demands.

Resource Economics and Policy Survey Cited by *Time*

A March 17 *Time* magazine story on snowmobiling referenced a report by Steve Reiling, Al Kezis and Matthew Kotchen of the UMaine Department of Resource Economics and Policy. The story noted their conclusion that revenues from snowmobiling are about double those of skiing in Maine.

College of Education Research Used by *Education Week*

UMaine research is the basis for a story in the April 30 *Education Week* about the condition and infrastructure needs of Maine public schools. Cited is the Center for Research and Evaluation in the College of Education, which conducted the statewide survey of principals and compiled the report indicating \$89 million is needed to renovate and improve Maine schools.

Graduate's Research in *Kennebec Journal*

Jennifer Schlenker, who received her master's degree in human development May 10, was interviewed last week by the *Kennebec Journal* for a feature story on her thesis research. An Augusta native, Schlenker's study explores the editorial content of *Seventeen Magazine* in the years 1945, 1955, 1965, 1975, 1985 and 1995 to determine if the articles changed in response to feminist movements from the 1940's to the present. While she found that *Seventeen* did have higher percentages of feminist content in 1945, '75 and '95 – considered eras or waves of feminism – traditional content, with the overwhelming emphasis on appearance, did and continues to dominate the magazine.

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.

Social Sciences & Humanities Reference Librarian. Raymond H. Fogler Library. Full-time, 12-month position which includes evening and weekend hours. Qualifications: Required: ALA accredited MLS. Demonstrated ability to adapt successfully to a rapidly changing environment. Demonstrated understanding of the nature of scholarly research and humanities and social sciences. Demonstrated excellence in written and oral communication. Strongly Preferred: Familiarity with business reference sources. Reference and collection development experience in an academic library. Demonstrated experience with World Wide Web authorship. Salary Range: \$24,000-\$28,000. Review of Applications: Will begin 6/15/97. Contact: Send letter of application, resume, and the names, addresses, and telephone numbers of three references to: Christine Whittington, Social Sciences and Humanities Reference Head of Reference and Assistant Access Services Librarian, University of Maine, 5729 Raymond H. Fogler Library, Orono, ME 04469-5729.

Research Assistant, Potato Cropping Systems Research. Department of Applied Ecology & Environmental Sciences. Appointment based at Aroostook Research Farm, Presque Isle. Appointment initially for 18 months contingent on performance. Appointment beyond 18 months contingent on performance and continued funding. Qualifications: Minimum: Bachelor's degree in agriculture or related field and experience with field research in potato production systems; demonstrated ability and experience in the operation of farm equipment, pesticide application, record keeping, and personnel management; ability to travel normally requiring a valid driver's license, good interpersonal communication skills; and ability to lift heavy objects and work outside in often unpleasant and inclement weather conditions. Highly Desirable: Experience with computers, M.S. degree, and possession of a valid Maine pesticide applicator's license. Salary Range: \$22,000-\$25,000. Review of Applications: Will begin 6/16/97. Start Date: 7/1/97. Contact: Send letter of application, vita, transcripts, and three letters of reference to: Gregory Porter, Potato Cropping Systems Project Coordinator, University of Maine, Room #114, 5722 Deering Hall, Orono, ME 04469-5722. (Telephone: (207) 581-2943)

Biochemistry, Microbiology and Molecular Biology Laboratory Coordinator. Department of Biochemistry, Microbiology and Molecular Biology. Full-time, 9-month position. Qualifications: College degree in biochemistry, microbiology or closely related discipline in the biological sciences; experience in biochemical and microbiological techniques and instrumentation, as well as microbiological media formulation and preparation; supervisory experience, preferably with student workers. Salary Range: \$23,000-\$26,000. Review of Applications: Will begin 6/16/97. Start Date: 9/1/97. Contact: Send letter of application, resume, and three letters of recommendation to: Bruce Nicholson, Department of Biochemistry, Microbiology and Molecular Biology, University of Maine, 5735 Hitchner Hall, Orono, ME 04469-5735.

Research Assistant in Entomology. Department of Biological Sciences. Nine-month initial appointment, with re-appointment contingent upon availability of funds. Qualifications: Bachelor's degree in biological sciences; knowledge of insect taxonomy; knowledge of insect pest management and pest sampling procedures; undergraduate level knowledge of statistics and analysis of variance; experience with data collection and agricultural or ecological field studies; demonstrated ability to work independently in the field under a variety of weather conditions; good communication skills; and frequent travel, requiring a driver's license. Salary: \$22,000. Review of Applications: Will begin immediately and continue until a suitable applicant is found. Contact: Send a letter of application, resume (including pertinent experience and courses taken), and three references to: Eleanor Groden, Department of Biological Sciences, University of Maine, 5722 Deering Hall, Orono, ME 04469-5722.

Research Associate. Advanced Engineered Wood Composites (AEWC) cluster position. Qualifications: Master's degree in civil/structural engineering or related field; licensed professional engineer; several years minimum experience in bridge design including timber and composite bridges; experience in mechanical/structural testing of fiber composites and wood components; coursework/experience in probabilistic mechanics and structural reliability; development of LRFD specifications; experience with Monte Carlo simulation techniques for structural mechanics problems; extensive knowledge in computer programming for structural mechanics problems, finite element analysis and laminate analysis; and must have strong written and verbal skills. Occasional heavy lifting required. Salary Range: \$26,000-\$28,000. Review of Applications: Will begin mid-June. Contact: Send letter of application, curriculum vita and the names of three references to Habib Dagher, Department of Civil and Environmental Engineering, University of Maine, 5711 Boardman Hall, Orono, ME 04469-5711.

Postdoctoral Research Associate, Coastal Hydraulics. Department of Civil Engineering. Two-year position with possible extension, contingent on funding. Qualifications: Required: Ph.D. with basic degree in physics, mathematics, engineering, or oceanography to conduct, monitor, and guide research in mathematical modeling of coastal hydraulics. Highly Desirable: Expertise in finite elements and wave mechanics, good writing skills, and ability to interact with grad students. Salary Range: \$28,000-\$32,000. Review of Applications: Will begin 6/10/97. Possible Start Date: 7/10/97. Contact: Send application letter, resume, list of publications, two references to: Professor Vijay Panchang, University of Maine, Civil & Environmental Engineering, 5706 Aubert Hall, Orono, ME 04469-5706.

Assistant Director for Students and Community Life. University of Maine Center for Students and Community Life position. Qualifications: Bachelor's degree required, master's degree preferred in student personnel, higher education, or related field. Creative experiences in student life, peer education, substance abuse prevention, sexual assault awareness, Greek Affairs, and leadership training. Should demonstrate exposure to people from diverse backgrounds and have demonstrated experience in advising students and in program development. Salary Range: \$22,000-\$26,000. Review of Applications: Will begin 6/20/97. Contact: Send letter of application, resume, and the names, addresses, and telephone numbers of four (4) references to: Robert Dana, University of Maine, 5721 Cutler Health Center, Orono, ME 04469-5721.

Assistant Professor of Developmental Mathematics. Onward Program. Part-time, nine-month position, 9/1/97-5/31/98 (30 hours in 1997 fall semester and 20 hours in spring semester). Qualifications: Required: Minimum education: Master's degree in mathematics or closely related field. Highly Desirable: Teaching experience in mathematics within a high school or university setting. Review of Applications: Will begin 6/1/97. Contact: Send letter of application, current resume and three letters of reference to: Jerry Ellis, Director, University of Maine, 5757 Onward Building, Orono, ME 04469-5757.

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.

CAREER CENTER SUMMER SCHEDULE

The Career Center, Chadbourne Hall, will be providing full services through June 30. Between July 1 and Aug. 18, telephone, fax and correspondence service will be available, and job listings and referral sources will be available in the Career Center lobby. Counselors are available at the Counseling Center to address career issues. Full service will resume on Aug.19.

Maine Perspective classified ads are free to faculty, staff and students at the University of Maine. Ads must be typewritten and include a telephone number. They will be published one week only unless otherwise specified. Send ads to: Maine Perspective Classifieds, Public Affairs.

FOR SALE

BUNK BED: One metal frame cot-size bunk bed set with two mattresses. \$50. Perfect for any camp!

CONDOS: Beautiful 2- and 3BR units. Whispering Pines is perfect for the University professional who wants to be conveniently located within walking distance to the campus, yet in a quiet location. Affordable prices. Contact Ron, 942-5199, for more info.

HOUSE: Grand old Main Street 4BR, extensively remodeled. Den, tile-floor kitchen opening into family room, formal living & dining rooms, sunroom, deck, full basement and attic, garage. About 3,600 sq. ft. Lot approx. 130' front, 100' deep. Walk to UMaine, Orono schools. Sale by owner. \$158,700. Call 866-2886.

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

HOUSE LOT: River & road frontage, 70'x80', town water and sewer, on RT2, Milford. 6 miles from UMaine, 5 miles from excellent hunting and bass fishing in backyard. Has a garage. Good lot for 2-story house or a small trailer on the river-not a flood area. \$18,500. Call 827-5006 and leave message.

PLANT SALE: Annual Buds & Blooms Plant Sale, benefiting the Mabel Wadsworth Women's Health Center. Saturday, May 31, 8 a.m.-3 p.m., next to Brewer Shop 'n' Save. Come early for best selection. Check out the locally grown perennials, annuals, shrubs, houseplants and seedlings. Donations of plant materials welcome. For more information, call 947-5337.

FOR RENT

APARTMENT: Newly built in beautiful setting on Lucerne Lake. Portion of a family estate. Private, 1BR furnished, large living area, furnished. Fully equipped kitchen. Heated garage. W/D hook-up. Telephone installed. Satellite dish. Ideal location for a seasonal outdoor enthusiast. Custom suited for a mature professional or retired person. Must see to appreciate. \$550/month, will negotiate utilities. Security deposit, annual lease. References required. No pets. Call for an appointment, 843-6053, leave message.

HOUSE: Orono ranch. 3 or 4 BRs, 1+3/4 bath, W/D hookup, finished basement, garage. Located on quiet, dead-end street in residential neighborhood, close to schools. Good family setting. Heat & water. \$650/mo with option to buy. Deposit & references required. Available July 1. Leave message, 866-2546.

SEASONAL RENTAL: Deer Isle, 3BR farmhouse on country road near village, shops, restaurants, beaches, islands, Acadia National Park. \$450 per week or \$3,000 for season. Contact Peter at pjefery@acadia.net, (207)288-2801, or P.O. Box 131, Halls Cove, Maine 04644.

SUMMER CAMP: Pushaw Lake, Old Town. 2BR rustic camp, washer & dryer, dock, picnic table, canoe. 20-30 minutes from campus. Weekly rentals in June: \$250/week plus utilities. Monthly rentals for July and August: \$1,000/month plus utilities. Call 827-0522.

TOWNHOUSE: Orono. Whispering Pines, 2BRs, 1.5 baths, deck off LR. Fully appliance eat-in kitchen. Full basement w/WD hook-up. Efficient monitor heating system. Parking for 2 cars. Available July 1. Lease. References. \$650/mo. Inquire about rent with option to buy or purchase price. Phone/fax: 799-1401.

SERVICES

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

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

WANTED

HOUSE: Professional couple with two small children looking to rent a 3BR house with garden spot in Old Town/Orono area. References available. Call Kathryn, 827-6857.

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

HOUSING: Two middle-aged doctoral students seeking reasonable summer rental between campus and Brewer for approx. five weeks starting June 23. Willing to weed garden or tend to housing needs. Call Gael, 483-6003.

HOUSING: Two responsible adult students seeking clean, quiet residential housing in Orono. Non-drinking, non-smoking females, with references available. Call 866-4734 or 947-3674.

HOUSE TO RENT: Faculty couple seek from September '97 (for academic year) a modern, quiet 3BR home near Orono.

Excellent references available. Prefer well-kept house with large storage space and garage. Call 581-2167 (daytime) or 866-4632 (evenings) until June 3.

PLANTS: Donations of perennials, annuals, houseplants and seedlings for a fund-raiser benefitting a local women's

health center in Bangor. Freshly dug garden plants welcome. Donations needed by Friday, May 30. Sale is Saturday, May 31, 8 a.m.-3 p.m., next to Brewer Shop 'n' Save. To make arrangements for donation pick-up or delivery, call Sheri, 581-4183, and leave message.

Book Ends

New & Noteworthy at the University Bookstore

New spring titles have been rolling in at a fast pace these days. Enjoy reading some of the following this summer:

The Careless Society: Community and Its Counterfeits, John McKnight, Basic Books, 1997. "In *The Careless Society*, John McKnight goes far deeper than the traditional conventional discussions of welfare reform and identifies the heart of failure of the current system . . . McKnight's exploration of the problem and its solution is insightful and sparked with images that echo his message after the book is closed."

How Proust Can Change Your Life: Not a Novel, Alain de Botton, Pantheon, 1997. From the author of *The Romantic Movement* comes another playfully and ingeniously different sort of book. Combining two unlikely genres, literary biography and self-help manual, Alain de Botton gives us some hilarious and unexpectedly practical advice via Marcel Proust on how best to live.

My Life, Starring Dara Falcon, Ann Beattie, Knopf, 1997. Dara Falcon is brilliant, manipulative, and seductive. She makes things happen. A perfect complement to the novel's narrator, Jean. An only child brought up by an aunt after her parent's death, Jean marries into a large New England family, in which she happily, if somewhat passively, immerses herself. When Dara Falcon arrives in town, Jean's life will change forever. Ann Beattie gives us one of her finest and most compelling novels.

The Club Dumas, Arturo Perez-Reverte, Harcourt Brace, 1997. Arturo Perez-Reverte follows his highly acclaimed mystery, *The Flanders Panel*, with this sophisticated novel of intrigue about a secret society of antiquarians and the hunt for a rare book of satanic lore. *Club Dumas* is a masterful novel.

▼ Twenty-five percent off Staff Selections for the month of May have been chosen from our Books-on-Tape section of the store. Travelling this summer? Listening to a book is a great way to pass the time while in the car.

▼ Special hours: The Bookstore will be open Alumni Weekend-Saturday, May 31, 10 a.m. - 4 p.m., and Sunday, June 1, 10 a.m.-1 p.m.

▼ Note: The Bookstore will be closed for inventory May 28-29. It will reopen the afternoon of May 30.

MEMORIAL UNION BUILDING HOURS

May Term & Summer Session-1997

Building: Monday-Sunday: 7 a.m.-9 p.m. Closed: May 26; July 4-6

Bookstore: Monday-Friday 8 a.m.-4:30 p.m. Open: May 30 - 1:30 p.m.-4:30 p.m.; May 31 - 10 a.m.-4 p.m.; June 1 - 10 a.m.-1 p.m. Closed: May 26, May 28-30 (for inventory), & July 4

Computer Cluster: Monday -Friday: 8 a.m.-9 p.m. Weekends: 10 a.m.-9 p.m. Closed: May 26 & July 4-6. Cluster hours are tentative and subject to change. See hours posted on Cluster doors.

Dining Service: Bear's Den (including Salad Bar & Pizza Hut) Monday-Friday: 7 a.m.-3 p.m. Closed: May 26 & July 4. Closed May Term & Summer Session: Damn Yankee, Coe Lounge (Taco Bell) & Coffee Shop

Hole-in-the-Wall Gallery, Hauck Gallery, Graphics Gallery: Monday - Friday: 8 a.m.-4 p.m. Closed: May 26 & July 4

Maine Bound & Recreation Center: Monday, Tuesday & Thursday: 10 a.m.- 4 p.m. Friday: 10 a.m.-6 p.m. Closed: Wednesday & Weekends. Closed: May 26 & July 4. Hours are subject to change. See hours posted on door.

News Counter: Monday-Friday: 7:30 a.m.-4 p.m. Closed: May 26, June 30 & July 4

Post Office/Check Cashing: Monday-Friday: 7:30 a.m.-4 p.m. Closed: May 26 & July 4

Professional Offices: Monday-Friday: 8 a.m.-4:30 p.m. Closed: May 26 & July 4

Wabanaki Center *continued from page 2*

a resource in the state, and carries on a tradition of advocating for Wabanaki education for students at all academic grade levels. It is led by Ted Mitchell, a Penobscot who coordinated UMaine's minority student programming beginning in 1974, and who not only has championed educational opportunities for Native youth but has been at the table for the drafting of much of Maine's policies about Wabanaki education.

"The common denominator in changing habits of Native young people was having someone from the culture who could talk about the need for change – someone who grew up through the culture, understood the dynamics of what was happening to these youths. And just as important, they needed to hear from someone who had surmounted the obstacles," says Mitchell, who served as the first guidance counselor for the Indian Education Program on Indian Island prior to coming to UMaine.

Higher education became an emphasis for counselors like Mitchell with the establishment of the Indian Scholarship Program, providing tuition waivers for the state's Native students enrolling at one of the seven campuses of the University of Maine System. Encouraging Indian youngsters to view higher education as the ultimate destination meant making proactive changes in the community, beginning with parents and elementary school children.

Parents were urged to be involved in their children's education to hedge dropouts and truancy. Educators were made aware of some of the special needs of Native youngsters, including the effects of poverty and the different dynamics of parenting in which children were ascribed adult responsibilities. Grassroots initiatives were supported by state standards for Indian Education Programs and increased federal funding.

At the University of Maine in the early 1970s, the few Native students on campus were veterans returning on the GI Bill. With the Scholarship Program, more of Maine's Native students became the first generation in their families to pursue higher education. Many of the first students had GEDs and initially enrolled in UMaine's Onward Program or attended Bangor Community College.

For more than two decades, the number of Maine Native students pursuing higher education has increased annually. By 1976 there were 16 Indian students enrolled in the University of Maine System; today there are 157 attending UMaine, the flagship campus of the University of Maine System. UMaine continues to have the largest population of Native students pursuing post-secondary education in the state. Native American alumni number 400, beginning with the first, Eunice Nelson-Baumann, who graduated in 1936.

Today Mitchell continues to field questions concerning such issues as curriculum and pedagogy from teachers throughout the state, including those at the three reservation schools and nine high schools with significant populations of Native students. In advocating for higher educational opportunities for Native young people, the staff of the Wabanaki Center facilitates campus visits for students as young as the elementary grades.

"Our focus now is to build and sustain relationships between the schools, Native communities and the University of Maine," says Mitchell. "We've gone from being solely with the Indian Education Program to become more generalist in our approach, interacting in a two-way relationship between Indian communities and the University. Now, in addition to advocacy, support and interaction, we are focusing on human resource development, including employment opportunities, internships and mentoring for students. We are concerned not just with education but also with what happens after school." ▲

Primary Care *continued from page 2*

"This is a significant event for Maine," notes Stephen Shannon, D.O., M.P.H., dean of UNECOM. "Many Maine students seeking careers as physicians will be able to save one year of time and expense. Maine's people will benefit because students able to attend both undergraduate and medical school in Maine are most likely to want to stay in Maine for residency training and practice. We have UMaine graduates in UNECOM every year. Seventy-five of our graduates or current students are graduates of the University of Maine System.

"We are pleased with this agreement and think it makes good sense for both institutions and the state of Maine."

UMaine, the state's land-grant university and the institution with the largest full-time student population in Maine, will actively recruit top students to participate in the program.

"This will provide an excellent opportunity for outstanding UMaine students who wish to pursue careers in medicine, and the accelerated timetable will be of significant benefit to them," says UMaine President Fred Hutchinson. "UMaine is in a unique position to develop partnerships like this with other Maine institutions, as well as with businesses. It is particularly gratifying to be involved in an arrangement like this one, which will have a significant impact on the lives of Maine people." ▲

University Singers *continued from page 6*

"The main draw is Dr. Cox," said Arenberg, a member of the UMaine Class of '85. "He's an amazing instructor. He has a way of drawing people into the music."

Arenberg asked friends and former Singers Becky and Greg Michaud of Yarmouth for help. They sent letters to 800 alumni – people affiliated either with the Singers or UMaine's Oratorio Society. So far, about 50 people have signed up.

The trip will cost each performer \$750, and Arenberg remains confident the group will grow as word spreads. She sees the performance as a way for them to recapture the camaraderie of their college days, when they rehearsed daily and spent a week of Spring Break on tour.

It was more than two decades ago that Cox met the man who would one day lead him to Carnegie Hall. He and Jonathan Griffith were graduate students at the University of Missouri at Kansas City. Both were pursuing their doctorates in conducting.

Cox left for UMaine after graduation. Griffith headed west to Oregon, eventually becoming conductor-in-residence for Mid-America Productions, the largest independent producer of concerts in Carnegie Hall.

"He's one of those persons who amazes me," Griffith said. "He knows all the Singers, not only from today, but back 20 years. It's one of the most incredible ways to highlight alumni relations. There's so much opportunity, potential here."

Cox initially wanted to do Gabriel Faure's *Requiem* for the Carnegie concert. But when other groups also had planned to perform that piece during the year, Cox settled on the piece Mozart wrote at age 23. The work will accommodate the different abilities of the musicians involved in the Carnegie concert.

Once the group is in place, Cox intends to hold initial rehearsals in greater Bangor and Portland. Two more days of rehearsals will precede the performance once the musicians arrive in New York next year.

Cox sees the concert and five-day trip as a way to rekindle the former Singers' passion for performing – and give them a chance to relive their days at UMaine.

The arts are such a powerful vehicle, making "tremendous impact on people's lives," Cox says. ▲

