

The University of Maine

DigitalCommons@UMaine

General University of Maine Publications

University of Maine Publications

3-22-1991

Maine Perspective

Department of Public Affairs, University of Maine

Melissa Adams

Department of Public Affairs

Kimberly Dineen

Development Office

Kathleen Gaede

Fogler Library

Scott Wilkerson

Facilities Management

See next page for additional authors

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

Repository Citation

Department of Public Affairs, University of Maine; Adams, Melissa; Dineen, Kimberly; Gaede, Kathleen; Wilkerson, Scott; and Smith, David C., "Maine Perspective" (1991). *General University of Maine Publications*. 1714.

https://digitalcommons.library.umaine.edu/univ_publications/1714

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

Authors

Department of Public Affairs, University of Maine; Melissa Adams; Kimberly Dineen; Kathleen Gaede; Scott Wilkerson; and David C. Smith

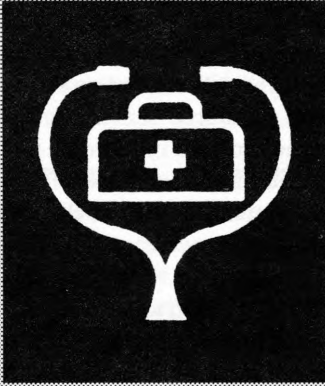
Maine Perspective

Vol. 2 No. 31

A PUBLICATION FOR THE UNIVERSITY OF MAINE

MARCH 22, 1991

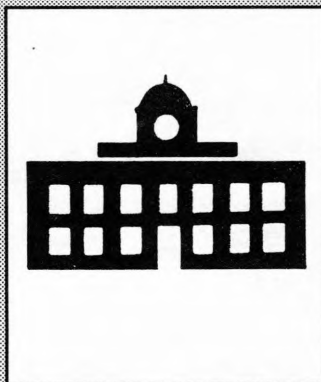
In Perspective



**Nursing's Learning
Resource Center**
page 2



Read All About It
page 3



From Alumni Hall
page 6

Nationally Acclaimed Educator Calls for Support of Education's 'Holy Trinity'

When Lloyd Elliott recalls one of his most memorable moments in more than half a century of education, he flashes back to 1938 and the West Virginia coal mining town of Widen. In his second year of teaching, 20-year-old Elliott taught junior and senior high school, and for an hour and a half each schoolday, he also taught language arts to sixth graders.

In the classroom next to his was the fifth grade of Mrs. Davis, "one of the most skillful, effective teachers I have ever seen in the classroom. That lady had been teaching fifth grade for perhaps 20 years," Elliott remembers.

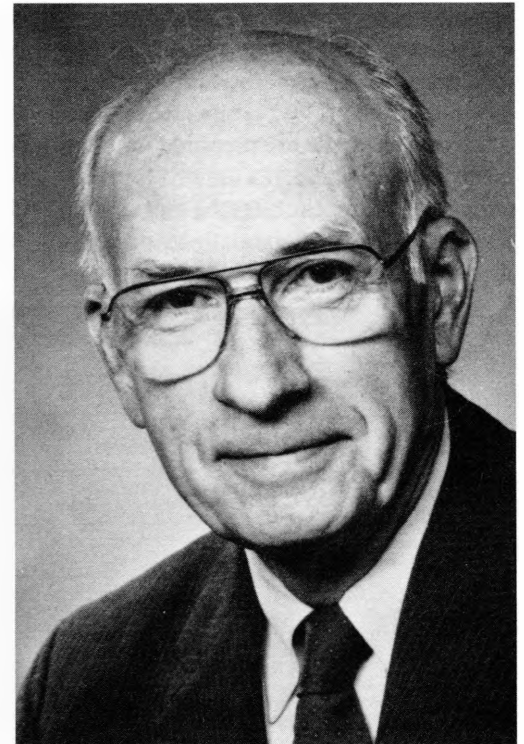
Perhaps it was a coincidence, or fate. But for a split-second in a school corridor, Elliott, Davis and a sixth grader found themselves standing together, sharing a moment in time.

"Here was this bright boy whom she had had in fifth grade and he was now in my sixth-grade classroom for an hour and a half. I have no idea, looking back, how it transpired, but this boy, this teacher and I found ourselves in a quick one-minute conversation in the corridor.

"She looked at him with all the concern and affection and admiration that a teacher can have for one of her students and she said to him, 'Harold, you could be anything in this world that you decide you want to be.' And boy, was she serious. Was she putting a challenge to him - demanding.

"He was an absolutely wonderful kid but he was mischievous. He was talented. He turned out to be captain of the basketball team when he got to high school. That fellow has been for the last 10-12 years the chair of the neurosurgical department at the University of Oregon.

"Here's a boy out of a coal mining town who ends up that way," Elliott says. "I look back and know that what that teacher said to that sixth-grade boy had a lasting effect on him."



Lloyd Elliott

That same teacher, Elliott continues, taught another boy who "absolutely could not master the written page. He couldn't read, but he could hit a ball farther than anyone else in school.

"That boy went on to basic training at Ft. Bragg as a rifleman," Elliott says. "He won all of the sharpshooter awards, and went in with the Allied forces in the invasion of Africa. He was wounded, captured, escaped, wounded again, and recovered from his wounds. She always said, 'Junior King is a good boy, he just can't master numbers or the written word.'" So Mrs. Davis made him her "teaching assistant," and in so doing "made him know that he was important to her and he was important to himself."

Elliott, former president of the University of Maine and George Washington University, now president of the National

continued on page 4

Learning Resource Center Provides Unique Environment for Nursing Students

Nursing students at the University of Maine have a unique laboratory setting in which to study, attend classes and gain hands-on experience.

The School of Nursing Learning Resource Center, located on the fourth floor of Chadbourne Hall, gives future nurses exposure to a number of resources, including a mock-hospital setting in five rooms. It also includes a study area, clinical laboratories, conference rooms, audio visual equipment, a computer cluster, medical supplies and a small library.

Nursing students are prepared for their future careers through a variety of tasks performed in the clinical labs and clinical agencies.. They work on daily living activities such as bathing patients, changing

beds and taking vital signs. They then advance onto higher-level nursing skills, and learn the procedures for taking care of patients in hospitals, nursing homes and in the community.

The library contains up-to-date information specifically for nurses, such as supplementary textbooks and popular nursing journals.

In addition, the Resource Center provides five computers for the nursing students to use. In 1989, the School of Nursing received a grant from the Helene Fuld Trust Fund for \$17,500 to advance computer use among UM's nursing students. The Resource Center has purchased new software and hopes to expand its computer facilities in the future.

Nursing students have limited exposure to the Resource Center in their first year. But by the second semester of their sophomore year, the students are enrolled in nursing courses with labs that meet in the Center. In their junior and senior years, the students become quite familiar with the fourth floor of Chadbourne Hall.

Up until 1988, the Resource Center was located in Lengyel Hall. According to Irene Marshall, Resource Center Manager, Chadbourne provides more room for the Center - and more flexibility.

"When we moved from Lengyel Hall, the Center grew and expanded," she said. "Every School of Nursing is required to have a lab, so our lab isn't unique, but I do think that the environment we have at Chadbourne is unique.

"This Center belongs to the students - it's here for them to use. This is the place for them to identify as nurses," she said, "I would divide the Resource Center into three components. It's an official class lab for some, it's also used for private study by others in the computer cluster or in the library, and it's a social place for some students, especially non-traditional students, to gather in between classes.

"It's a place of socialization and culturalization for nurses."



Robert White, right, United States Commerce Department's first Undersecretary for Technology, visited the University of Maine March 13, touring the Sawyer Environmental Research Center, and talking with UM faculty and administrators like Greg Brown, left, vice president for Research and Public Service. White said that his office is now identifying and inventorying those technologies developed in federal laboratories that should be made available to U.S. industries in order to enhance this country's competitive position in the world. He also pointed out that the U.S. should "get its head of out the sand," and begin to "tap into" technology being developed in Japan and Europe. The Undersecretary, whose Technology Administration is the focal point for all aspects of technology policy in the government, also told the faculty that they should make sure that "every student who graduates from here understands the metric system." He predicted that by 1992 the federal government will "go metric"; the Department of Defense already had gone metric in its dealings with contractors. White explained that there are no tax credits given to industries that invest in university research because "Tax credit is something this Administration does not factor." White also pointed out that industry bears a high cost in educating its workers, many of whom otherwise would not have sufficient skills to succeed in high technology work environments.

Photo by Marc Kuznitz

Maine Perspective

Maine Perspective is published by the University of Maine Department of Public Affairs University of Maine Orono, Maine 04469 207 / 581-3745

Assistant Vice President for Public Affairs
Adrie Nab

Executive Editor
Margaret Nagle

Contributing Writers: Melissa Adams, Development Office, Kimberly Dineen, Fogler Library Staff, Kathleen Gaede, Office of International Programs, Marc Kuznitz, David C. Smith, Scott Wilkerson

Printed by the University of Maine Printing Services



National News Spotlights

UM in Farmville Herald

The University of Maine is highlighted as one of a few institutions to test successfully a revolutionary recycling technology that steam-explodes newspapers, office waste and corrugated cardboard to recycle them into usable paper pulp. The new process is the result of research undertaken jointly by Richmond-based Chesapeake Corporation and Toronto-based Stake Technology Limited.

Comins in Astronomy

UM physicist and astronomer Neil Comins weaves fact and theory to shape intriguing "what if" scenarios of Earth without the moon. In this major article, Comins engages readers in a fascinating exploration of the role of the moon and its impact on Earth, from the building of the solar system to the evolution and protection of life.

Opitz, Hawes in Boston Globe

The Sunday *Boston Globe Magazine* ran a lively article stating that New Englanders have a staunch affection for brown eggs over white eggs. Hans Michael Opitz, veterinarian and poultry specialist for Cooperative Extension, is quoted as saying there is no nutritional difference. Robert Hawes, associate professor of animal, veterinary and aquatic sciences, tells how cross-breeding with Asian birds in the 1800s resulted in brown eggs throughout New England.

Pearce, Sucsy, Panchang and Richardson in Supercomputing Review

Age-old questions about the many and varied influences of tides and currents are being answered as researchers turn to supercomputers to develop models and sort out data. Bryan Pearce, UM professor of civil engineering, and his research associates Peter Sucsy, Vijay Panchang and John Richardson, are using the supercomputer to understand the intricate tidal movements in the large expanse of ocean off the coast of Maine and Nova Scotia.

Ploch in Boston Globe

In an extensive article on factors involving population growth in New England, Louis Ploch, professor emeritus of rural sociology, is quoted as attributing growth in Maine to people from other states moving in to find a better quality of life. He said that the boom has occurred in communities where property values are still affordable.

Bayer, Loughlin in Associated Press

Robert Bayer, professor of animal, veterinary and aquatic sciences, and graduate student Michael Loughlin, are quoted as maintaining that lobsters plunged into boiling water do not have enough of a brain to experience pain. This article has received international exposure in a Singapore newspaper, and also appeared in the *Boston Globe*, the *Miami Herald*, *USA Today* and the *Philadelphia Inquirer*.

Morici in Foreign Trade, Toronto Star

UM economist Peter Morici outlines the pressures, pros and cons, and dilemmas posed by a possible free trade agreement between the United States and Mexico. In a byline analysis, Morici presents the issues and tradeoffs facing both countries and the much broader consequences.

In an important news story in the *Toronto Star*, the division between business and labor groups over the question of a Canada-Mexico-United States free trade pact is explored. Morici suggests that a three-way deal would present opportunities for Canada to increase exports, but would threaten some Canadian companies' share of the American market.

Dow in Associated Press

This AP article, appearing in newspapers across the country, addresses the economic plight of the lobster industry. UM's director of the Maine Lobster Institute, David Dow, maintains that the lobster industry needs to look for new markets to begin to solve the problems of oversupply and low demand.

Stratton in International Trumpet Guild

In a classy professional journal dedicated to international trumpet news, one of Don Stratton's trumpet compositions *August '70 Jan Trio* gets accolades in a half-page review. Citing Stratton's connections with the University of Maine as teacher and director of the 20th Century Music Ensemble, the reviewer says the *Trio* is "a fine work which should find its way into every institution of higher learning ... as an excellent study of modern techniques."

University of Maine in Pulp & Paper

The donation of \$600,000 worth of computer hardware, software and engineering support by IBM and Heuristics, Inc. to the UM Department of Chemical Engineering, and its implication of teaching and research, are highlighted in this widely read monthly trade magazine.

Anchors in Oxford Mail

A humorous article in the "Travel" section of this London-based newspaper recounts Bangor's reaction to an October travel review of Bangor as "Rundown U.S.A." The Queen City's official emissary Scott Anchors, UM director of Residential Life, countered the allegation by delivering in person to the Oxford Mail office a bagful of Maine products ... including toothpicks!

Bushway in Longevity

The consumer is encouraged to reap the health benefits of eating fish, yet often worries about the risks of ingesting contaminants in wild fish. Farmed fish and fish fakes are an alternative. Alfred Bushway, chairperson and professor of food science, says that surimi (the base product from which come all those crab, shrimp, scallop and lobster look-alikes) has less fats and toxins due to the way it is processed.

**Along the Mall, Publications
and Campus Notes
Deadline: 9 a.m. Monday**

Elliott *continued from page 1*

Geographic Society Education Foundation in Washington, D.C., has seen many changes in education since his start in 1937. But the important influences of teachers like Mrs. Davis are irreplaceable - and in jeopardy today, he says. They are part of "Today's Holy Trinity in Education," the topic of Elliott's lecture when he returns to the University of Maine April 4. The lecture, sponsored by UM's Distinguished Lecture Series, begins at 6:30 p.m. in the Bodwell Dining Area of the Maine Center for the Arts. It is free and open to the public.

"America's educational program is in serious trouble," Elliott says. "I think the teacher, youngster and school (that make up the trilogy) badly need all the help they can get. As far as the welfare of the country, the strength of America, we are all at the mercy of strengthening these three pieces of America's educational enterprise. We need to help the learner (and parent), help the teacher, help the school - from the university to preschool.

"The most important change I see in education is the perception of education as it was held back in the '30s by youngsters and their parents. In that 12-grade school system in West Virginia, even if the youngster had very little per-

sonal motivation for education, he or she nonetheless had come to respect the school and education as a way of bettering his or her life. I taught first-generation youngsters from Russian, Italian, Polish parents, almost all of the European countries in this mining town, and the great respect and awe in which education was held by the parents of these youngsters always amazed me. These youngsters had all the problems beginning with malnutrition, behavioral problems and everything else, but at the bottom was this respect that they carried to the school that education was important to everyone and particularly to me as an individual.

"Today I sense and feel and see far less confidence or trust in the means or ways of education as a way to a better life," Elliott says. "There is more pessimism, more negative response, more looking to or substituting other things for school as the way out. That's one of my chief concerns. If we had more dedication and commitment on the part of the entire community, the task wouldn't be so difficult for teachers to lead students to higher motivation."

Such dedication and commitment often begins with a community's political and economic/business leadership, Elliott says. In addition, there is not

enough attention paid to the educational scene by social and cultural forces of the community, he says, and there are many reasons for this.

"Today we are attracted by so many other attention-getters. Struggles to put something in view of the public are increasingly competitive," Elliott says. "Two of the great diversions, television and theater, can take our attention away from what I describe as serious matters and get us lost in our own daydreams, entertainment and diversions, and kind of put us to sleep."

Such a complicated, multimedia existence, coupled with historic events of the past 30 years, have caused us to "lose our focus on education," he says. "We began to lose that focus in the '60s. I go back to those chaotic days when there were serious challenges on many campuses around the world. What's gone unmentioned too often (from that era) is that there was a feeling among young Americans on campuses that our economic well-being had reached a point that we need not worry where food and shelter come from. There was a feeling that the greater society owes me that, therefore I can devote my life and energies to other things. It was as if to say, 'Don't bother me with the mundane things like earning a living, going to work five days a week.

"We lost part of a whole generation in that trip down the wrong street. They traveled under a banner of idealism, altruism, but it extended only to the small world that they drew around themselves. They turned their attention to what's important to 'me.'


"I don't think we've fully recovered from that. It's as if I as an individual don't know where to go, what to do, what signals to follow. It will take what I refer to as a societal mobilization in our country to get us, not back on the track of the '30s, '40s and '50s, but back on the track of development of talent, of energy and motivation, to the goal of providing the greater good for the whole of society. The whole society benefits when individuals use their talents. It isn't just a selfish question."

Such a movement or renaissance must begin in the schools, home and business community, Elliott predicts, and one


continued next page

UNIVERSITY OF MAINE


CAROLINE COLVIN
Dean of Women
(1923 - 27)
Professor and Head of UM's Department of History
(1910 - 32)



EDITH PATCH
Associate Entomologist at the UM Agricultural Experiment Station and Faculty of Investigation for over 30 years



LOUISE H. RAMSDELL
First female graduate of UM in 1874



**WOMEN'S HISTORY WEEK
THROUGH MARCH 28, 1991**

Elliott *continued from page 4*

will tend to reinforce the other. There must be a "mutual-interest effort joined by all forces to overcome some of those things that take such a terrible toll such as drug addiction.

"When we talk of such programs as Head Start and see what's happened in the last 15 years for those children who, at an early age, face all the major risks in our society, I've come to the conclusion that the earliest intervention into the life of that child is the proper principle to guide our actions. There's no point in hoping that a drug-addicted mother will be able to provide for her baby the kind of nurturing and care that will bring that child into a satisfying and productive lifestyle. It requires intervention in the lives of the mother and child. It may be an educational program for both of them where beginning of teaching of mother is as elementary as teaching of child. Progress with one reinforces progress of the other."

When speaking to community and corporate audiences, his message is a call to action. "If you have a few very good teachers in your school or schools, you must do everything you can to keep them and recruit more like them," he says. "If you lose them, getting them back will take a generation - if you ever get them back.

"The most important people in your community are not those on your payroll but those who teach the children of your employees. Invest in your teachers. Make them want to broaden their horizons in order to bring a rich background to the classroom to help your child learn with that guidance. It's as simple, as elementary as that, and yet life is too busy for us to get down to basics - some of those absolutely ABC-level activities that would indicate to the teacher that, 'We're supporting you and we want you to be an even better teacher than you are. Why? Because we're selfish. We want our kids to have the best that you possibly can provide.'"

To the schools, Elliott's message is to "look to the corporations and its leaders who are here to help you." And to teachers, including pre-service teachers, his message comes straight from the heart of a fellow educator.

"I tell them the work they are doing and proposing to do is the most impor-

tant work in the world," he says. "It is difficult, tough work and you will find moments all too frequently of total frustration. You will not be rewarded with the financial rewards of the corporate lawyers on Wall Street, but your work is the most important piece of professional work and success in it will give you the greatest reward of all in this life. Don't be discouraged. Many are out there ahead of you, many are committed and all too many leave. Everybody is looking for a shortcut, an easy way, but so many

times it comes down to one on one. In spite of technology and everything else, it can not be left to mass communications.

"A good teacher," Elliott says, "is one who is able to bring a child along in all the facets of maturation. Making academic progress is only one of those facets. You want a child who, after spending a year with a teacher, not only has advanced academically but who is more eager than before to continue to pursue, explore and gain talents necessary to move on."



Monty Moose doesn't care much for standing out in an open field during hunting season, but when Easter eggs are the prey, he's happy to join in the fun. Monty will be on hand for the University of Maine Credit Union's Second Annual Easter Egg Hunt for children ages 12 and under beginning at 11 a.m. March 30 in the new section of the Lyle E. Littlefield Ornamental Garden behind the Credit Union on Rangeley Road. The mascot of the Credit Union's children's savings program, appearing in this photo with the help of Credit Union Operations Manager Pat Smith, will be joined by a number of volunteers like Mary Ellen Farrell, right, Credit Union programs officer and Hunt coordinator, and other Credit Union employees. Again this year there will be a designated area for Easter egg hunters ages 5 and under, and prizes of candy and toys will be handed out to all participants who find the bright-colored plastic eggs with numbers inside. In addition, there will be a grand-prize drawing for a bicycle, donated by CU Mortgage Services, at 11:30 a.m. near the conclusion of the Hunt. Parking is available across from the Hilltop complex on Rangeley Road. There is no rain-date for the event.



From Alumni Hall

Editor's Note: In light of the ever-present need for greater communication among members of the University of Maine community, "From Alumni Hall" was initiated as one of a number of available alternatives. If you have questions, issues or concerns related to the University of Maine that you would like President Dale Lick to address, send them to: Maine Perspective, Public Affairs. We will attempt to address as many of the queries as possible in this column. Space limitations will require questions and responses to be as concise as possible.

A recent contribution to one of the suggestion boxes on campus raised a question that might very well be on the minds of others: "Is the Print Shop still losing money? Rumor has it that it has been bailed out for the past three or four years. If that is the case, something is drastically wrong. Run it like a business."

The answer to the question is no. UM Printing Services is no longer losing money. That auxiliary enterprise has indeed experienced some difficult financial times in the past. Since April 1989, however, the operation has come under the management of the Assistant Vice President for Public Affairs, and the following action has been taken:

* By July 1989 three options were explored:

- 1) Discontinue
- 2) Partially subsidize
- 3) Improve and continue.

* Option No. 3 was selected, and a new director of UM Printing Services was hired in September 1989. New operational practices and policies concerning quality control, responsiveness, staff morale, customer services, stockroom procedures, internal communications, and billing were designed and implemented by January 1990. During that fiscal year, the monthly operational deficit had already been reduced drastically by Jan. 31 as compared to previous years, and was nearly eliminated by June 30 of that year.

* Business has improved and clients have returned. Starting with the new fiscal year in July 1990, UM Printing Services has been operated with a net positive balance, in spite of University

departments having the lowest levels of discretionary operating funds available to them in recent years.

The suggestion was an excellent one. "Run it like a business" - that is what is happening.

Every time I walk into the lobby of Alumni Hall I am struck by what some are now calling the "golden elevator" - the polished brass elevator that was installed as part of the renovation of Alumni Hall. Why was a polished brass elevator door chosen and couldn't we have gotten something much less expensive?

The renovation of Alumni Hall included the upgrading and modernization of the lobby. In particular, the darkened entrance area needed lightening. That was the charge given to the architects. After attempting to leave the brick entrance natural, the walls were sheetrocked and painted in light colors, the oak woodwork stripped and refinished to its natural lighter color, and the floor tiled in soft gray. There was a choice of two finishes for the elevator door - high-gloss black enamel or polished brass. The cost difference was about \$600. The architect recommended the polish brass finish for the elevator door in keeping with the attempt to brighten the lobby area, and in keeping with the color scheme.



Along the Mall

Sylvester Pollet, lecturer in English, was a guest writer for a half-hour interview and reading on the program: Northern Lights, broadcast Dec. 18, by WERU-FM, Blue Hill.

Bob Strong, assoc. prof. of finance, was an invited speaker at a conference: "Using Derivative Assets to Enhance Performance," sponsored by the Chicago Board Options Exchange and the Chicago Board of Trade, Feb. 6-9, Laguna Niguel, Calif.

Raymond O'Connor, prof. of wildlife, gave a talk: "A Retrospective Study of Bird Populations in North America," at the USEPA Environmental Research Laboratory, Athens, Ga, Feb. 8.

Alan Davenport, Planetarium director, demonstrated how to tell time by the stars for visitors to the annual Children's Festival at the University of Maine Farmington, and delivered a talk on new discoveries in the Solar System.

Philip Stack, manager of the MAES Greenhouses, has been awarded a \$1,750 grant from the New England Greenhouse Conference to assess the effectiveness of various biological agents against insect pests in multi-use glass greenhouses.

The Faculty Research Funds Committee announces the recipients of the Scientific Equipment and Book Fund Award:

Christopher Cronan, plant biology and pathology, "Quantifying Ecosystem Carbon Storage Using a Leco Elemental Carbon Analyzer"

Jeffrey Hecker, psychology, "Anxiety, Panic, and Alcohol Abuse"

Dana Humphrey and Thomas Sandford, civil engineering, "Model Tests of Tire Chips as Lightweight Backfill Behind Retaining Walls"

Jim McClymer, physics, "Enhancement to a Polarizing Microscope"

Susan McKay, physics and astronomy, "A Laser Printer for High Quality Graphics"

Linne Mooney, English, "Utilitarian and Scientific Works in Middle English, 1350-1500"

Robert Rice, forest management, "Investigating the Interaction of Wood and Water Using Acoustic Emission Technology"

J. Malcolm Shick, zoology, "Purchase of an Ultraviolet/Visible Scanning Spectrophotometer"

Albert Yonovitz, speech communication, "Reducing Untoward Effects of Cancer Chemotherapy: Hearing and Kidney Dysfunction"

UM Calendar

March 25-April 8

All events are free and open to the public unless otherwise specified. Any speaker not otherwise identified is a member of the University of Maine faculty, staff or student body. Send notices of upcoming campus events to:

Maine Perspective Calendar
Public Affairs.

Calendar of events listings MUST be typewritten and should be sent AT LEAST TWO WEEKS in advance.

Deadline for each issue: 9 a.m. Friday

For more information, call x3745.

25 Monday

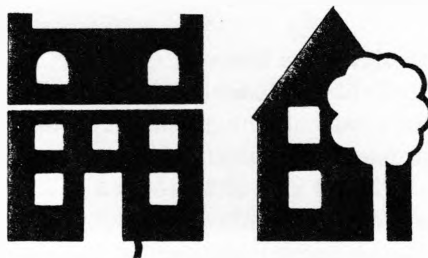
"The Supervisor as Trainer: The Role of the Supervisor as an Everyday Trainer," a Management Programs Seminar by Frank Roach, human resource management consultant, Roach Associates, 9 a.m.-4 p.m., March 25, Hilltop Conference Room. Admission. x4092.

"Is That a True Story?: The Relationship Between Experience and Fiction," a lecture by Melanie Kaye-Kantrowitz, part of Women's History Week, 9:30 a.m., March 25, University College Center, Bangor Campus. x1924.

Video: "Made in China: A Search for Roots," part of Women's History Week, 11:45 a.m., March 25, Eastport Hall Lobby, Bangor Campus. x1924.

Panel Discussion: "Life With a History Major: Women Talk About Their Experiences," with alumni panelists Deirdre O'Callaghan, attorney; Shirley Tardiff, teacher; Meris Bickford, assistant attorney general; and student Andrea Hawks, part of Women's History Week, noon, March 25, Bangor Lounges, Union.

"Community Living: Roommates & Neighbors," a presentation by Student Legal Services, part of the Off Campus Series, noon, March 25, North Lown Room, Union. x1734.



"North by Northwest," a No Popcorn Cinema presentation, noon, March 25, Sutton Lounge, Union. x1734.

"Studies of the Triterpenoids from the Outer Bark of Three Birch Species - *Betula lenta*, *Betula alleghaniensis* and *Betula nigra*," an oral exam by Yun Hua, candidate for Ph.D. in chemistry, 3 p.m., March 25, 280 Aubert Hall.

Tax Help for students, low income persons, the elderly and persons with disabilities, 3-5 p.m., March 25, 1912 Room, Union. x1993.

"The Clean Air Act and Global Climate Change," a lecture by Sen. George Mitchell, a presentation of the Natural Resources Program, 3:30 p.m., March 25, Hauck Auditorium. x3228.

Video: "Native American Women Artists, Helen Hardin and Grace Medicine Flower, Talk About Their Work," part of Women's History Week, 4 p.m., March 25, Bangor Lounges, Union. x1924.

"Is That a True Story: The Relationship Between Experience and Fiction," a lecture by Melanie Kaye-Kantrowitz, part of Women's History Week, 7:30 p.m., March 25, Bangor Lounges, Union. x1924.

26 Tuesday

"Credit and Financial Analysis: An Integral Part of the Credit and Collection Management Service," MGT046, a Management Programs Seminar by Bettie Jean Taylor, commercial real estate sales agent and consultant, Pendleton & Cattle, 9 a.m.-4 p.m., March 26, Hilltop Conference Room. Adm. x4092.

"Effects of Legitimized Nonhandicapped Student Use of Resource Room Services on Special Education Teacher/Specialist Opinions and Resource Room Utilization," an oral exam by Murray Shulman, candidate for Doctor of Education (Administration), 10 a.m., March 26, 159 Shibles Hall.

"Synthesis, Characterization and Reactivity of Stable 19-electron Organometallic Complexes," a lecture by David Tyler, University of Oregon, part of the Chemistry Seminar Series, 11 a.m., March 26, 316 Aubert Hall. x1182.

Video: "Yellow Tale Blues: Two American Families," part of Women's History Week, 11:45 p.m., March 26, Eastport Hall Lobby, Bangor Campus. x1924.

"Making the Most Out of a Diversified Career Path," a panel discussion with Jo Moon, Old Town Canoe; Katherine Dolley, WQBC-FM; Judy Olsen, ERA Today; Maryann Ingalls, CPA; Cheryl Wixon, Gourmet to Go; Joan Brooks, UM research associate and of Brooks Technologies, part of Women's History Week, noon, March 26, Bangor Lounges, Union. x1924.

"Somewhere in Time," a No Popcorn Cinema presentation, noon, March 26, Sutton Lounge, Union. x1734.

ONGOING

"Celebrate the Family Conference," a University of Maine Cooperative Extension conference focusing on families, beginning 9 a.m. March 26 and March 27. Thomas College, Waterville. Registration fee. x3105.

"Enchanted Night," a play by Slawomir Mrozek, the state touring production directed by UM theater graduate student Cate Davis, 8 p.m., March 28-30, 2 p.m. March 31, Pavilion Theatre. Admission. x1755.

"The First Women Graduates of the University of Maine," a pictorial exhibit depicting the lives of early UM students, through March 28, display case, main entrance, Fogler Library. x1924.

Poster Exhibit celebrating National Women's History Month and the University's Women's History Week, through March 28, Eastport Hall near rooms 100-105, Bangor Campus. x1924.

"Paper Modules: Studies in Three Dimension," a University of Maine Museum of Art exhibit, March 30-April 22, Graphics Gallery, Union. x3255.

"Something Fishy: An Independent Study Project by Diane White," a University of Maine Museum of Art exhibit, March 30-April 22, Hauck Gallery, Union. x3255.

"Maquettes of Installations for the University of Maine 125th Anniversary Celebration," a University of Maine Museum of Art exhibit, March 30-April 22, Hole in the Wall Gallery, Union. x3255.

"Turn It On?/Turn It Off?," works from the University of Maine Museum of Art's permanent collection, part of Women's History Week, Monday-Friday, 8 a.m.-4:30 p.m.; Wednesday until 8 p.m., and Saturday, 1-4 p.m., through March 30, Carnegie Hall. x1924.

"Certificate in Management: Fundamentals of Modern Marketing," MGT507, a Management Programs course by Joyce McClure, marketing director, Tyson & Partners, 6-9 p.m., April 3-May 1, 130 Barrows Hall. Admission. x4092.

"A Planet Called Earth," a Planetarium show, 7 p.m. Friday and 2 p.m. Sunday, April 5-28, Wingate Hall. Admission. x1341.

Senior Swim Exercise Class for those 55 and older to improve their cardiovascular fitness, flexibility and stroke. Ann Skalski, a fellow senior will be the instructor, 10-11 a.m., Monday and Wednesday, Wallace Pool, Memorial Gym. Admission. x1082.

Masters Swim Program for intermediate to highly skilled swimmers interested in working out in a structured setting with some instruction and monitoring, 11-11:45 a.m., Monday, Wednesday, Friday, Wallace Pool, Memorial Gym. Admission. x1082.

Monday Jazz, every Monday, 12:15 p.m., Union. x1734.

Loved Ones in the Middle East Support Group for friends and family members of those involved in Operation Desert Storm, sponsored by the Counseling Center, facilitated by Liane Hamrick, Mondays, 3:30-5 p.m., Counseling Center, Fernald Hall. x1392.

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

Peace Club Meeting, 5 p.m., Mondays, Bangor Lounge, Union. x2509.

Yoga and Meditation, every Tuesday, 7:30-8:30 a.m., Wilson Center, 67 College Ave., 866-4227.

Support Group for Students with Learning Disabilities, every Tuesday, 3-4:30 p.m., Old Town Room, Union. x2311.

Maine Peace Action Committee (MPAC) Meeting, 4-5:30 p.m., every Tuesday, Virtue Room, The Maples. x3860.

Support Group for Parents of Children with Special Needs, every Wednesday, 3-4:30 p.m., Old Town Room, Union. x2311.

University of Maine Archaeological Society, open to all majors especially those linked with anthropology and archaeology, every Wednesday, 7 p.m., Sutton Lounge, Union.

Ecumenical Bible Reflection, every Thursday, noon-1 p.m., Stodder Private Dining Room. 866-4227.

UM Chess Club Meeting, every Thursday, 7 p.m., Lynch Room, Fogler Library, tournaments, discussions, skittles and games. x3522 or 866-4589.

Campus Crusade for Christ, every Thursday, 7:30 p.m., North Bangor Lounge, Union. 866-2830.

International Coffee Hour, 4:30 p.m., Friday, Bangor Lounge, Union.

Worship and Celebration, every Sunday, 5-6 p.m., followed by a light supper. Wilson Center, 67 College Ave. 866-4227.

Foreign Language Brown Bag Lunch Tables: French-Monday; Russian-Tuesday; German-Wednesday; and Spanish-Thursday. Interested people are encouraged to bring brown bag lunches. All tables will be held in 207 Little Hall, noon-1 p.m. x2073.

26 Tuesday

"Caring About Nature: An Ecofeminist Perspective on Environmental Ethics," a lecture by Roger King, part of the Wildlife Seminar Series, noon, March 26, 204 Nutting Hall. x2862.

"Agroecosystems," a lecture by Bryan Green, part of the Graduate PSE Seminar Series, 3:10 p.m., March 26, 17 Deering Hall. x2997.

Video and Discussion: "Sentimental Women Need Not Apply: A History of Women in Nursing," introduction and discussion by Jean Symonds, part of Women's History Week, 4 p.m., March 26, Bangor Lounges, Union. x1924.

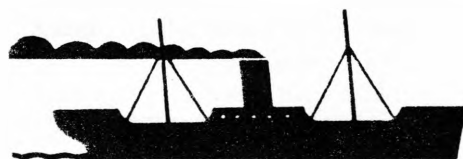
"Disabled, Female and Proud," a lecture by Jean Stewart, author, poet, social-change artist and leader in the disability rights movement, part of Women's History Week, 7:30 p.m., March 26, Bodwell Dining Area, Maine Center for the Arts. x1924.

27 Wednesday

"Disabled, Female and Proud," a lecture by Jean Stewart, author, poet, social-change artist and leader in the disability rights movement, part of Women's History Week, 11:30 a.m.-12:30 p.m., March 27, Eastport Hall, Bangor Campus. x1924.

"Everything You Wanted to Know About Sex But Were Afraid to Ask," a No Popcorn Cinema presentation, noon, March 27, Sutton Lounge, Union. x1734.

"Tanker Operations and Oil Pollution of the Seas," a lecture by John Battick, part of the Natural Resources Program Brown Bag Seminar Series, noon, March 27, 202 Winslow Hall. x1490.



Calendar

"Grass Roots: The History of Local Women's Organizations," a panel discussion with Sue Bradford, Spruce Run; Sharon Barker, Greater Bangor Rape Response Services; Ilze Petersons, Bangor Displaced Homemakers Program; Ruth Lockhart, Mabel Wadsworth Women's Health Center; Ency Whitehall, moderator: part of Women's History Week, 12:15 p.m., March 27, Bangor Lounge, Union. x1924.

Blood Drive, 3-8 p.m., March 27, Wells Commons. x1734.

Meeting of Faculty Senate Elected Members with Chancellor Robert Woodbury, meeting is for only elected Senate members, 3:15 p.m., March 27, North Lown Room, Union. x1167.

"Writing Women's History: Where Have We Come From, What's in the Future?" a lecture by Jill Ker Conway, visiting scholar and professor, MIT, part of Women's History Week, 3:30 p.m., March 27, Bangor Lounges, Union. x1924.

Movie: "Sibling Rivalry," 7 p.m. and 9 p.m., March 27, 130 Little Hall. x1734.

"Hellhound on My Trail: Race Relations in America from Reconstruction to the Civil Rights Movement," a lecture by Leon Litwack, professor of history, University of California, Berkeley, winner of the 1980 Pulitzer Prize for his book: Been in the Storm So Long: The Aftermath of Slavery, 8 p.m., March 27, 101 Neville Hall. x1914.

28 Thursday

"Extending the Minimal Spanning Tree: A Pointwise Insertion Algorithm," an oral exam by Thomas Schicker, candidate for master's degree in mathematics, 9 a.m., March 28, Coffee Room Lounge (next to Room 333), Neville Hall.

Video: "Freedom Bags," part of Women's History Week, 11:45 a.m., March 28, Eastport Hall Lobby, Bangor Campus. x1924.

Video and Discussion: "Burden of a War: Women and Agent Orange," introduced and discussed by Jean Symonds and Therese Shipps, noon, March 28, Bangor Lounges, Union. x1924.

"Rethinking the Cold War: A Socialist Perspective," a lecture by Howard Schonberger, part of the Controversy Series, 12:20 p.m., March 28, Sutton Lounge, Union. x3860.

"Differences and Likenesses: German and American Women," a lecture by Renate Breidenthal, writer/teacher of history and women's studies, Brooklyn College, part of Women's History Week, 1 p.m., March 28, 103 Eastport Hall, Bangor Campus. x1924.

"Papermill Sludges: Disposal Options and Environmental Impacts," lectures by Chet Rock, Larry Zibilske and Fred Servello, part of the Waste Management Seminar Series, 1-3 p.m., March 28, 100 Neville Hall. x1490.

"Donor States in a GaAs/Ga_{1-x}Al_xAs Quantum Well Wire of Circular Cross Section," an oral exam by Hannington Odhiambo Oyoko, candidate for Ph.D. in physics, 2 p.m., March 28, 114 Bennett Hall.

Women's Center Meeting, 3-5 p.m., March 28, FFA Room, Union. x1656.

"Early Marx," by Douglas Allen, an Honors 202 lecture, 3:10-5 p.m., March 28, 100 Neville Hall. x2777.

"The Three Faces of Eve: Women in Divided and United Germany," a lecture by Renate Breidenthal, writer/teacher of history and women's studies, Brooklyn College, part of Women's History Week, 4 p.m., March 28, Bangor Lounges, Union. x1924.

"UV Radiation and Oxidative Stress in 'Photosynthetic Animals,'" a lecture by Malcolm Shick, part of the Plant Biology and Pathology Department Seminar Series, 4:10 p.m., March 28, 102 Nutting Hall. x2970.

28 Thursday

"North by Northwest," a No Popcorn Cinema presentation, 7 p.m., March 28, Commuter/NTS Lounge, Union. x1734.

Movie: "Sibling Rivalry," 7 p.m. and 9 p.m., March 28, 130 Little Hall. x1734.

Coffee House: Movie-7 p.m., Music-9 p.m., March 28, Ram's Horn. x1734.

Play: "Ah! Women," a musical-political-comedy by Little Flags Theater of Boston, part of Women's History Week, 7:30 p.m., March 28, Hauck Auditorium. x1924.

Thursday Night at the Bear's Den, 8 p.m., March 28, Union. x1734.

Chocolate Buffet, gala dessert party benefitting Spruce Run, part of Women's History Week, 9 p.m., March 28, University Club, Union. Admission. 942-4055/942-8589.

29 Friday

"Metamorphic Constraints on the Tectonics of the Eastern Alps," a lecture by Jane Selverstone, Department of Earth and Planetary Sciences, Harvard University, part of the Geological Sciences Seminar Series, noon, March 29, 116 Boardman Hall. x2165.

"Give Me a Little Bit of Your Lunch, or What Are Herring Gull Chicks Eating?" a lecture by Cindy Johnson, part of the Department of Zoology Faculty/Student Colloquium Series, noon, March 29, 103 Murray Hall. x2546.

"The Ring-Laser Gyroscope," a lecture by Henry Minden, Concord, Mass., part of the Physics Colloquium Series, 3:10 p.m., March 29, 140 Bennett Hall. x1016.

"Somewhere in Time," a No Popcorn Cinema presentation, 7 p.m., March 29, Commuter/NTS Lounge, Union. x1734.

30 Saturday

Bonny Cox Junior Recital, 3 p.m., March 30, 120 Lord Hall. x1240.

Tax Help for students, low income persons, the elderly and persons with disabilities, 10 a.m.-noon, March 30, Keith Anderson Community Center, Bennoch Road, Orono. x1993.

"Everything You Wanted to Know About Sex But Were Afraid to Ask," a No Popcorn Cinema presentation, 7 p.m., March 30, Commuter/NTS Lounge, Union. x1734.

Live From the Union. It's Saturday Night! 9 p.m., March 30, Damn Yankee. x1734.

1 Monday

"Fistfull of Dollars," a No Popcorn Cinema presentation, noon, April 1, Sutton Lounge, Union. x1734.



"Careers in Social Change and Social Service," a panel discussion with Ilze Petersons, director, Displaced Homemakers Program; John Greenman, MPBN-TV producer; Andy Loman, executive director, Maine Chapter of the National Association of Social Workers; Jym St. Pierre, Class of '74, director, Maine Woods Project, the Wilderness Society, part of Career Awareness Week, 2-3:30 p.m. April 1, Sutton Lounge, Union. x1359.

Tax Help for students, low income persons, the elderly and persons with disabilities, 3-5 p.m., April 1, 1912 Room, Union. x1993.

"Short-cut Paths and Uniform Boundedness of Single-rule, Linear Recursions," a lecture by David Briggs, Computer Science Department, University of Southern Maine, 3:10 p.m., April 1, 108 Neville Hall. x3941.

UM C

Meet Tom Chappell, co-founder and president of Tom's of Maine, in an informal discussion period, part of Career Awareness Week, 3:15 p.m., April 1, Palmer Lounge, Mahaney (Baseball) Clubhouse. x1359.

"Metasomatism in the Mantle: A Xenoliths' Story," a lecture by M. Darby Dyar, Department of Geological Sciences, University of Oregon, part of the Geological Sciences Seminar Series, 3:30 p.m., April 1, 116 Boardman Hall. x2165.

"Social Responsibility and Ethics in the Workplace," a keynote address by Tom Chappell, co-founder and president of Tom's of Maine, part of Career Awareness Week, 7 p.m., April 1, 101 Neville Hall. x1359.

2 Tuesday

Oral exam by Charles Hicks, candidate for Master of Arts degree in teaching French, 10 a.m., April 2, 207 Little Hall.

Career Center Tours, part of Career Awareness Week, 10 a.m.-3 p.m., April 2, Wingate Hall. x1359.

"The Historian and Aldo Leopold," a lecture by Edward Schriver, part of the Wildlife Seminar Series, noon, April 2, 102 Nutting Hall. x2862.

"The Beguiled," a No Popcorn Cinema presentation, noon, April 2, Sutton Lounge, Union. x1734.

"Female Strategies Among the Animals, Including Us," a lecture by Lee Davis, part of the Women in the Curriculum Lunch Series, 12:15 p.m., April 2, Bangor Lounges, Union. x1228.

alendar

"Building Your Resume Through Volunteerism," a panel discussion with Penny Harris, Class of '63, director of development, Eastern Maine Healthcare; Dave Giroux, Class of '87, assistant chapter manager, American Red Cross; William Lucy, Class of '71; Shari Rapoza, Class of '91, part of Career Awareness Week, 2:30 p.m., April 2, FFA Room, Union. x1359.

"Hardwood Exports: Market Potential and Research Needs," a lecture by W. Ramsay Smith, director of the Appalachian Export Center for Hardwoods, West Virginia University, 3 p.m., April 2, 102 Nutting Hall. x2844.

"Plant Nutrient Availability in Wood Ash-Amended Soil," a lecture by Susan Erich, part of the Graduate PSE Seminar Series, 3:10 p.m., April 2, 17 Deering Hall. x2997.

"What Can I Do with a Major In ... ?" a panel discussion by Marlene Silva, manager, policies and programs UNUM; Steve Hewins, Class of '77, president, Hewins Travel; Bob Johnson, Class of '84, sales executive, Hallmark; Maureen Mitchell, Class of '90, claims rep, Social Security Administration; Ken Beland, Class of '79, fishery biologist, Maine Atlantic Sea-Run Salmon Commission, part of Career Awareness Week, 3:30-5 p.m., April 2, Bangor Lounges, Union. x1359.

3 Wednesday

"Pee Wee's Great Adventure," a No Popcorn Cinema presentation, noon, April 3, Sutton Lounge, Union. x1734.

"Case Study in International Conservation: Saving the Cloud Forest," a lecture by Iver Lofving, noon-1:30 p.m., April 3, 202 Winslow Hall. x1490.

"The Juggling Act: Balancing Work and Family Obligations," a panel discussion by Bill Seretta, co-founder, Maine Chapter of New England Businesses for Social Responsibility, and president, Harper/Connecting Point Computer Center, part of Career Awareness Week, noon-1:30 p.m., April 3, Bangor Lounges, Union. x1359.

Men's Baseball with Providence, 1 p.m., April 3, Mahaney Diamond. xBEAR.



Blood Drive, 2-8 p.m., April 3, Hilltop Commons. x1734.

"Land Ownership Information: Use in Real Property Market Transactions," an oral exam by Gary Jeffress, candidate for Ph.D., surveying engineering, 2:10 p.m., April 3, 101 Boardman Hall.

"Women and Men in Nontraditional Careers," a panel discussion by Kevin Duplissie, Joan Trial, Class of '73, fisheries biologist, Maine Department of Fisheries and Wildlife; Theresa Hoffmann, staff geologist, Penobscot Indian Nation; Preston Bjorn, emergency room nurse, Eastern Maine Medical Center, part of Career Awareness Week, 3-4:30 p.m., April 3, Sutton Lounge, Union. x1359.

Women's Center Meeting, 3-5 p.m., April 3, South Bangor Lounge, Union. x1656.

Faculty Senate Meeting, 3:15 p.m., April 3, Dexter Lounge, Alford Arena. x1167.

Movie: "The Rookie," 7 p.m. and 9 p.m., April 3, 130 Little Hall. x1734.

"The CIA, American Democracy and the Persian Gulf Crisis," a lecture by Philip Agee, former CIA officer and author of *Inside the Company: CIA Diary*, 8 p.m., April 3, 101 Neville Hall. x1907.

4 Thursday

"Improve Your Business Writing Skills: Learning to Do Your Best with Words," MGT047, a Management Programs Seminar by Susan Krauss Loomis, professor of humanities and communication, and director of the Writing Center, Maine Maritime Academy, 9 a.m.-4 p.m., April 4, Hilltop Conference Room. Admission. x4092.

MacFest, offered by CIT, 9 a.m.-4 p.m., April 4, Lown Room, Union. x2519.

"The Greens and the Politics of Transformation," a lecture by John Rensbrink, Department of Government, Bowdoin College, part of the Socialist and Marxist Studies Luncheon Series, 12:20 p.m., April 4, Sutton Lounge, Union. x3860.

"Waste Reduction and Recycling," lectures by George Criner; Denise Lord, director of planning, Maine Waste Management Agency; John Joyce, director of the Maine Grocers Association; John Halstead, Department of Resource Economics and Community Development, University of New Hampshire, part of the Waste Management Seminar Series, 1-3 p.m., April 4, 100 Neville Hall. x1490.

"Making the Transition from Full-Time Student to Full-Time Professional," a panel discussion with Mark Hunter, Classes of '71 and '73, technical manager, Champion International; Stephen Thibert, Class of '90, process engineer, Champion International; Melanie Jones, Class of '90, underwriter, UNUM, part of Career Awareness Week, 2-3:15 p.m., April 4, Bangor Lounges, Union. x1359.

"Historical Materialism," by Brent Singer, an Honors 202 lecture, 3:10-5 p.m., April 4, 100 Neville Hall. x2777.

"Unique Alternatives for New Graduates," a panel discussion with Iver Lofving, Mary Ellen Cunningham and Sherry Treworgy, Class of '70, part of Career Awareness Week, 3:30-4:45 p.m., April 4, Sutton Lounge, Union. x1359.

4 Thursday

"Techniques for Measuring Nitrogen Fixation in Actinorhizal Plants," a lecture by John Tjepkema, part of the Plant Biology and Pathology Department Seminar Series, 4:10 p.m., April 4, 102 Nutting Hall. x2970.

"Today's Holy Trilogy in Education," a lecture by Lloyd Elliott, former UM president and George Washington University president, now president of the National Geographic Society Education Foundation, part of the Distinguished Lecture Series, 6:30 p.m., April 4, Bodwell Dining Area, Maine Center for the Arts. x1156.

"Fistfull of Dollars," a No Popcorn Cinema presentation, 7 p.m., April 4, Commuter/NTS Lounge, Union. x1734.

Videos: "With These Hands" and "Water for Tonoumasse," part of the Peace and Justice Film Series, 7 p.m., April 4, 100 Neville Hall.

Coffee House: Movie-7 p.m.; Music-9 p.m., April 4, Ram's Horn. x1734.

Movie: "The Rookie," 7 p.m. and 9 p.m., April 4, 130 Little Hall. x1734.

Thursday Night at the Bear's Den, 8 p.m., April 4, Union. x1734.

University Chamber Orchestra Concert, 8 p.m., April 4, Hutchins Concert Hall. x1755.

5 Friday

"Potential and Promise of Marine Biotechnology," a lecture by Rita Colwell, professor of microbiology and director of the Maryland Biotechnology Institute, University of Maryland, a Biochemistry, Microbiology and Molecular Biology, and Center for Marine Studies Seminar, noon, April 5, 113 Hitchner Hall. x2815.

"The Beguiled," a No Popcorn Cinema presentation, 7 p.m., April 5, Commuter/NTS Lounge, Union. x1734.

Performance by Stand-up Comedian Jerry Seinfeld, 8 p.m., April 5, Hutchins Concert Hall. Admission. x1755.

Dance featuring Dani Tribesmen, 9 p.m., April 5, Damn Yankee, Union. x1734.

6 Saturday

Tax Help for students, low income persons, the elderly and persons with disabilities, 10 a.m.-noon, April 6, Keith Anderson Community Center, Bennoch Road, Orono. x1993.

"Nonviolence - Saving the World for Further Dialogue," a daylong conference of workshops, theater, discussion and storytelling presented by INVERT - Institute for Nonviolence Education, Research and Training, 9 a.m.-5 p.m., April 6, Union. 827-3107.

"Pee Wee's Great Adventure," a No Popcorn Cinema presentation, 7 p.m., April 6, Commuter/NTS Lounge, Union. x1734.

Tokyo String Quartet in Concert featuring works of Mozart, Takemitsu and Beethoven, 8 p.m., April 6, Hutchins Concert Hall. Admission. x1755.

Live from the Union. It's Saturday Night! including the Comedy Series with Dan Horn and other acts, 8 p.m., April 6, Damn Yankee, Union. x1734.

Paula Malenchini Junior Recital, 8 p.m., April 6, 120 Lord Hall. x1240.

7 Sunday

Luke Rakovan Junior Recital, 1:30 p.m., April 7, 120 Lord Hall. x1240.

Stephanie Plourde Junior Recital, 4 p.m., April 7, 120 Lord Hall. x1240.

Pamela Goldsmith Junior Recital, 8 p.m., April 7, 120 Lord Hall. x1240.

8 Monday

Tax Help for students, low income persons, the elderly and persons with disabilities, 3-5 p.m., April 8, Ham Room, Union. x1993.

"Strangers on a Train," a No Popcorn Cinema presentation, noon, April 8, Sutton Lounge, Union. x1734.

"Dialogues of Peace," an evening of poetry, drama, music and a bilingual performance with Don Stratton, poet Ted Enslin, Kathleen Lignell, Sylvester Pollett, Constance Hunting, Burt Hatlen and others, 7 p.m., April 8, Pavilion Theatre. Donations to benefit UM Peace Studies Program. x2609.

SUMMER 1991

The University's Summer Session announces the availability of the 1991 Summer catalog of courses, institutes and special projects. Beginning May 13 with the traditional May Term, the Continuing Education Division is offering 16 different calendars including three-, five- and six-week day courses, as well as eight-week evening courses. In celebration of the University's 125th anniversary, the promotional package features replica vintage postcards of the University used around the turn of the century. Attracting students from across the U.S. as well as internationally, the University's Summer Session expects to exceed the 1990 record enrollment of 6,700. For a copy of the Summer catalog, call x3142.





Waste Not

Editor's Note: Waste Not is a biweekly column in Maine Perspective written by Scott Wilkerson, UM recycling education coordinator. For further information or if you have any topics you would like to see addressed in this column, call x2680.

In Maine, the Bottle Bill Legislation of 1978 has had a tremendous effect on the removal of beer and soda containers from the waste stream. What was created in response to a litter problem has matured into a program that has achieved a 90 percent return rate for 600 million of these glass and plastic bottles and aluminum cans sold in Maine annually.

The Bottle Bill established that, for these products, there would be a five-cent deposit issued at the time of sale to the consumer. This would entice us to return the used beverage container (UBC). This reduced the litter that could be seen along many Maine roads and provided 54,312 tons of glass, plastic and aluminum for recycling. However, the cost of this program is anything but nickels and dimes.

Considering that the nickel you and I pay is returned when we redeem our bottles and cans, the original Bottle Bill still costs consumers \$34 million a year to maintain. For starters, the Bottle Bill increases the manufacturer's costs due to increased labeling, storage and paperwork. The distributor charges the retailer an additional eight cents per unit - five for the deposit and three for the "handling fee." When we return our UBCs, we get our five cents back. When the distributor returns with the next order, they will take the UBCs of the products that they distribute and credit the retailer three cents per unit (this method of pick-up is known as a "reverse distribution" system). The distributor will then drop off the UBCs at one of the three UBC processors in the state that, in turn, market this material to a recycling firm such as Owens-Illinois, a large buyer of waste glass, and American National, a major

buyer of aluminum cans. Along the way, money changes hands, and the many players cut a profit for the extra work involved in the program.

By Jan. 1, 1991, the state's expanded Bottle Bill was in place. This added to the list of beer and soda returnables wine, liquor, juice, and juice-product containers. Of the 150 million of these sold in Maine annually, a 75 percent return rate is expected that will increase the amount of recyclable material by 43,635 tons a year. The total cost of the expanded program is estimated at \$45 million a year.

In a report published by the Maine Agricultural Experiment Station of the University of Maine, An Economic and Waste Management Analysis of Maine's Bottle Deposit Legislation, authors Associate Professor G. Criner, and Assistant Scientists S. Jacobs and S. Peavey provide an in-depth look at the program's operation. In regards to recycling, there may be a less-expensive way to do this in the not-so-distant future.

Many municipalities in the state are starting their own curbside or drop-off recycling programs. For a city of 25,000 people in Maine, the authors of the report have determined with a computer cost-modeling program that a curbside program with "no Bottle Bill" recycled 1,928 tons of this glass, plastic, aluminum and newsprint for \$41 a ton. With the "original Bottle Bill", the combination of this and curbside recycled 2,593 tons at \$294 a ton. Curbside and the "expanded Bottle Bill" combined recycled 3,081 tons at \$300 a ton. Together, the municipal recycling program and the Bottle Bill will capture a larger quantity of recyclables, but the cost is much greater.

The increased cost is due to the duplication of effort. The Bottle Bill is a recycling system independent of municipal efforts, so equipment, facilities and collection efforts are doubled. It is apparent that the Bottle Bill targets a limited variety of items, namely UBCs, whereas municipal efforts can target these items as well as many

others like yard waste, cardboard, newspaper, other glass and tinned-steel containers. For the cost of the Bottle Bill, it is only retrieving about 8 percent of our municipal solid waste (MSW). Yard waste alone is nearly 17 percent nationally.

The authors of the report recognize that in many areas of the state, the Bottle Bill is the predominant method of recycling this material. In some cases it is the only recycling taking place. They recommend, however, that at some point, when a Maine statewide municipal recycling system is widespread and effective, the legislated deposit required on juice items be repealed, with a similar action being considered for the other items covered by the Bill at a later date. When the time comes that most communities in the state have access to a recycling program, why not have all our recyclable waste picked up curbside or all dropped off at the same location? At \$45 million a year, plus the cost of your municipal program, the Bottle Bill is worth reconsidering.

An Economic and Waste Management Analysis of Maine's Bottle Deposit Legislation discusses many points, both pro and con, of the state's Bottle Bill, as well as an in-depth description of how the original Bill works and what changes arose from the expansion. For the purposes of the this column, a summary was written from the recycling point of view. For more information, or your own copy of the report, which will be printed in roughly six weeks, write: George Criner, 206 Winslow Hall, University of Maine, Orono, Maine 04468.

Readers who are concerned that Maine Perspective arrives several days after the publishing date due to third-class mailing can subscribe for \$18. By subscribing, readers will be ensured that the publication is mailed first class.



Campus Notes

A Memorial Service for Jack Walas will be held 2 p.m., March 27, Newman Center, College Avenue. If you would like to be part of the Service, or would like to send a letter to be read, call x3745.

Attention Creative Writers: Students seeking admission to English 307, Writing Fiction; English 308, Writing Poetry; and English 405, Directed Writing, are now required to submit a manuscript for consideration by creative writing faculty. The deadline for submission this year is April 4. Contact the English Department, x3822, for specific guidelines.

The spring at Work Weight Watchers Series starts April 2 with an open house, 11:45 a.m.-1 p.m., 1912 Room, Union. Come join your co-workers in a program that is much more than a diet. You'll learn how to replace unhealthy habits with constructive ones that support safe, effective weight loss. Register for this 10-week series through the Employee Health Office, x2367 or at the Open House. Payroll deduction option available.

Faculty and staff are invited to make nominations for the University of Maine Outstanding Achievement Award. The Award is presented to up to 12 students, either undergraduate or graduate, for outstanding achievement in non-academic endeavors. These awards will be presented to students who received degrees in December 1990 or who anticipate receiving degrees in May 1991, or in August 1991. Categories for the Outstanding Achievement Award are: Community Service - public service in a broad sense, either on or off campus; Campus Citizenship - student government, organizational leadership, creative activism; Athletic Achievement; Arts and Communication - graphic arts, language arts, music, theater arts, and/or media. Deadline: noon, April 5. Application forms can be picked up and returned together with a letter of nomination or endorsement to: Center for Student Services, Attn. Dwight Rideout, Assistant Vice President and Dean of Student Services, Third Floor, Union, x1406.

Tax Help: The University of Maine Accounting Club will provide free assis-

tance with basic tax forms through mid-April for UM students and persons of low income, the elderly and persons with disabilities. Sessions on campus will be 3-5 p.m., 1912 Room, Union. Sessions will also be held at the Keith Anderson Community Center, Bennoch Road, Orono, Saturdays, 10 a.m.-noon, through April 13. For more information call Melvin McClure, x1993.

Available through the Employee Assistance Program: If you have a family member, dear friend, co-worker whose drinking behavior is of real concern to you or is affecting your life in a way that makes you uncomfortable, EAP needs you. A therapy/educational group led by a trained facilitator is about to begin, but needs a few more UM employees or their immediate family members to fill the requirement. This strictly confidential group will be held Wednesdays, 4:30-6 p.m., EAP Office, 126A College Ave. Call EAP, x4014, for further information as soon as possible. Nominal fee can be payroll deducted.

A Parent Support Group is available at the Old Town YMCA Thursdays, 10-11:30 a.m., for parents who want to improve their relationship with their children, and gain support and encouragement from other parents. Free childcare is provided. For more information, call EAP, x4014. This group is free.

Job Networking Support Group: The Employee Assistance Program is sponsoring a free drop-in Job Networking Support Group for UM employees who have been laid off or anticipate possible layoff. The purpose of the Group is to provide:

- * support and encouragement
- * job search tips
- * stress management suggestions
- * networking opportunities
- * strategies in planning for the future

and whatever else participants want to discuss. The group will be held each Wednesday, noon-1 p.m., Ham Room, Union, beginning March 27. No registration necessary. Call EAP, x4014, for more information.

Surplus Sale: The University of Maine offers for sale on an as-is, where-is basis the following: (1) IBM 5150 MICRO COMPUTER, dual drive, includes daisywriter printer w/hood, \$500; (1) METAL DESK ORGANIZER, 5' long, \$25; (3) PAIR OF DRAPES, panel size 8'x42", \$10 pair, (4) CLAMP-ON DESK LAMPS, \$10 each; (1) DESK LAMP, \$15; (1) BATES ELECTRIC STAPLER, \$25; (1) ELECTRONIC LETTER OPENER, Panasonic, \$20; (4) RUBBER STAMP HOLDERS, \$2 each; (1) A.B.DICK 545 MIMEOGRAPH, 2 years old, \$450; (1) OFFICE CHAIR, w/arms, lt brown cloth, NEW, \$100; (1) MICRO COMPUTERS, 640K, dual drives, w/20 meg hard drive, \$600 each; (1) TOSHIBA BD-3110 COPIER, \$200; (2) OLIVETTI ETV-300 WORD PROCESSORS, includes monitor, CPU and keyboard with printer, \$300; (1) METAL DESK, fair condition, \$50; (1) A.B.DICK 217 DUPLICATOR, w/6 gallons of fluid and 9 boxes of masters, \$50; (1) DECMATE 1 WORDPROCESSOR, monitor, keyboard and 2 drives, takes 8" disks, \$100, (1) STABILIZATION PROCESSOR, Spiratone Printall LS-200, \$50; (2) BELDEN CABLE, 140 feet #10 and 100 feet #4; (1) COLOR MONITOR, desktop publishing, PCPC 19" Color Trinitron, \$2500; (3) ACOUSTICAL PRINTER HOODS, \$35 each; (1) UPRIGHT FREEZER, Kenmore 31cf, \$250; (1) 3M FS-6 MICROFICHE CAMERA, self developing, \$1500; (1) CANON NP300F COPIER, \$150.

Off-campus inquires are welcome. Items usually sell for the prices specified, however, lower offers are sometimes considered. For further information contact Ron Logan, Purchasing Dept., x2692.



Positions

Advertisements for job openings to appear in Maine Perspective must be submitted to the Office of Equal Opportunity, 318 Alumni Hall, no later than noon Wednesday. Guidelines for filling professional positions, including forms for posting positions in Maine Perspective, are available by contacting the office of Equal Opportunity, x1226. A Request to Fill Form must be approved before posting in Maine Perspective (if not already approved).

Director of Peace Studies, College of Social and Behavioral Sciences. Half-time position. Two-year term, renewable upon review. Qualifications: Tenured member of the University of Maine faculty, with a serious commitment to peace studies. Previous involvement with the Peace Studies Program preferred. Review of applications will begin April 15. Start Date: Sept. 1. For further information and to apply, send letter of application, vita, names of three-five references to: Peace Studies Search Committee, 100 Stevens Hall, tel. 581-1954.

Programmer, Department of Residential Life. Full-time regular position. Qualifications: Bachelor's degree and practiced experience in high-level programming languages, preferably NATURAL AND NOMAD. Salary Range: \$18,000-\$22,000. Review of applications will begin April 1. Start Date: As soon as possible. For further information and to apply, send letter of interest, resume, and three letters of recommendation to: Programmer Search Committee, Office of Residential Life, Estabrooke Hall, tel. 581-4565.

Research Associate, Department of Forest Management. Full-time position, dependent on funding (one-year appointment with year to year extension up to four years). Qualifications: M.S. in plant science, earth science, geography or survey engineering including B.S. degree in forestry, wildlife or natural resources. Preferred: Coursework experience in remote sensing, satellite image processing, GIS, knowledge of ERDAS and ARC-INFO software. Salary Range: \$24,000-\$26,000. Deadline for applica-

tion: May 23. Start Date: Aug. 15. For further information and to apply, send cover letter, resume, copy of transcripts, addresses and phone numbers of two references to: Steven Sader, Associate Professor, College of Forest Resources, 260 Nutting Hall, tel. 581-2845.

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 application information is: The contact person listed, department, University of Maine, Orono, Maine 04469. The listings above 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.



Along the Mall

Bud Blumenstock, forestry specialist, University of Maine Cooperative Extension, spoke to the Old Town Rotary Club Feb. 21 on: "The State of the Maine Forest."

Mohamed Elgaaly, prof. of civil engineering, was one of two speakers at the Tenth Anniversary New England Conference for Structural Engineers, sponsored by the Structural Steel Fabricators of New England in cooperation with

Worcester Polytechnic Institute, March 13, Worcester. Elgaaly talked about: "New AISC-ASD Rules for Web Crimping."

Mary Jo Sanger, Study Abroad coordinator, was selected by NAFSA: The Association of International Educators, as one of 20 people nationwide to participate in a seminar on Study Abroad advising in Boston, Feb. 13-16.



Career Center

Special Notice:

Now Hiring Summer Help: Attend the Job Fair Wednesday and Thursday, April 3-4, 10 a.m.-3 p.m., sponsored by Papoose Pond Resort & Campground, RR #1, Box 2480 (on Route 118), North Waterford, Maine 04267. Tel: 583-4174 (Mon.-Fri., 9-5). Some housing and campsites are available. Seeking: restaurant/store supervisors, reservation clerks, maintenance workers, short order cook, bathhouse cleaners, restaurant workers, activities counselors, head housekeeper, night time security, housekeepers (most Saturdays only), and store clerks.

Upcoming Events:

Career Awareness Week will be held April 1-4. The keynote address will be delivered by Tom Chappell, co-founder and president of Tom's of Maine, on the

topic, "Social Responsibility and Ethics in the Workplace." Each day will offer programs on a particular theme: April 1 - "Careers and Social Responsibility"; April 2 - "Career Information Day"; April 3 - "The Changing World of Work"; April 4 - "Life After College".

Employment Interviews: The following organizations are scheduled to conduct employment interviews with graduating students, and undergraduates for summer employment, at the Career Center this week:

March 25 - International Foundation of Employee Benefit Plans (also Tuesday morning, March 26, for overflow) (Summer interviews)

March 26 - Computer Associates International Inc.



Sponsored Programs

United States Information Agency invites applications for support of international exchange activities involving local government officials, scholars, and media and business leaders from Poland, Hungary, Czechoslovakia and/or Romania. Deadline: April 15

National Endowment for the Humanities awards fellowships to support full-time study and research in the humanities. Deadline for fellowships to begin in calendar year 1992: June 1

AARP Andrus Foundation grants up to \$75,000 for applied research in gerontology (behavioral, social and health sciences, policy, planning, or practice) to produce knowledge usable by older persons, policy planners, and service providers. Deadline: June 3

National Institutes of Health make Academic Research Enhancement Awards to stimulate health-related research in educational institutions that have not been major recipients of NIH support. AREA provide up to \$75,000 in direct costs for up to three years in support of feasibility studies, pilot studies, and other small-scale projects. Deadline: June 21

Bill of Rights Education Collaborative, History Teaching Alliance, and National Council for the Social Studies sponsor projects to strengthen pre-collegiate education about constitutional rights. Short courses or workshops for teachers, as well as collaborative study groups, will be supported. Deadline: Aug. 15

National Science Foundation has revised priorities for its cooperative science and engineering programs with Western European countries in response to political and economic changes that have altered the European research environment. Cooperative research projects, state-of-the-art surveys, and joint seminars and workshops are supported. Deadline: Sept. 15

For more information, call Sponsored Programs, x1476.

What's Ahead

"The Clean Air Act and Global Climate Change,"
by Sen. George Mitchell
March 25

"Celebrate the Family,"
UM Cooperative Extension
conference on families,
Waterville
March 26-27

**"Hellhound on My Trail:
Race Relations in America
from Reconstruction to the
Civil Rights Movement,"**
by Pulitzer Prize Winner
Leon Litwack
March 27

Recycling Week
April 1-4

**"Today's Holy Trinity
in Education,"**
by former UM President
Lloyd Elliott
April 4



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

SERIAL UNIT
FOGLER LIBRARY

10A

2