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Maine Perspective

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UM and Area Schools Team Up with Canadian Counterparts to Form an Educational Alliance

In the spirit of the Free Trade Agreement, the University of Maine College of Education and area school systems have teamed up with their Canadian counterparts for a free exchange of ideas that they call the "Educational Alliance."

The new program was created as a way for the two countries to share information and experiences about a number of similar education issues, according to Robert Cobb, dean of the College of

Education. For 15 years, the University and local school superintendents from Penobscot and Piscataquis counties have been working together to share common interests of learning and teaching. Now the program has expanded to include northern Maine counties and the Maritime provinces - higher education and school systems from Prince Edward Island, New Brunswick and Nova Scotia.

"There are some common factors and common needs across the school districts in this rural part of Maine. Out of that interest in broadening our understanding of rural education, we thought about bringing the Aroostook, Washington and Hancock county superintendents together with us to study similar issues of need and policy issues," said Cobb. "In the course of the conversations about this, we decided to invite the Maritime Provinces because they were undertaking some interesting changes."

Canada's schools are organized "a lot like ours once you get to the local level," Cobb said. "Also their teaching methods are similar to ours and they use a lot of curriculum materials generated in the United States."

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Pioneering Research in Supercritical Fluids Ongoing at UM

In the past decade, a new science has emerged with the potential to revolutionize physical and chemical transformations of the future. The technology that is now being used to decaffeinate coffee, remove nicotine from tobacco and extract aromas for perfumes may one day hold the key to addressing environmental concerns and facilitating recycling efforts. Indeed, the science could one day be a factor in allowing people to live in outer space.

Supercritical fluid science and technology - using high pressure and temperature to create what some have called a "fourth state of matter" - is one of the fastest growing areas in chemical engineering. While much of the early work in supercritical fluids was done in Germany, a major contributor to the pioneering research in the United States is Erdogan Kiran, Gottesman Research Professor of Chemical Engineering at the University of Maine. His research is focused on fundamental properties of supercritical fluids and their applications in the polymers and the pulp and paper industry. In the past six years alone, Kiran has been awarded more than \$1.2 million in external research funding in these areas.

Substances become supercritical when high pressure and high temperature are used to create a "fluid" that is neither liquid nor gas. The resulting homogeneous fluid has no vapor or

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In a cost-saving measure, *Maine Perspective* will not be published March 5 and March 12 during Spring Break.

***Maine Perspective* will return to weekly publication for the remainder of the academic year beginning March 19.**

For your convenience, the *Maine Perspective* calendar will include events occurring now through March 31.

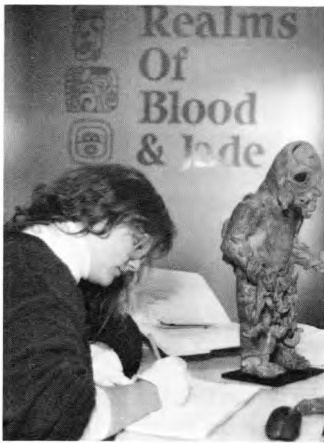
If you have news or information, contact *Maine Perspective*, x3745.



In Perspective

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Palmer Gallery Reopens with 'Realms of Blood and Jade'



Kim Sawtelle of the Hudson Museum catalogues artifacts in preparation for the newest exhibit.

Photo by Damon Kiesow

A new exhibit, "Realms of Blood and Jade: Prehispanic Mesoamerica," opens with a free public reception at the University of Maine's Hudson Museum March 2.

Museum Director Stephen Whittington says the exhibit's title emphasizes two themes central to Mesoamerican cultures before the Spanish conquest of the 1500s. The many societies - including the Maya and Aztecs - that made up the civilizations of Central America and Mexico from 2000 B.C. until the arrival of Europeans, he says, "believed the world was kept going by sacrifices of blood to the gods.

Jade was associated with water, which was life itself, and was used for everything from personal decoration to ritual."

Whittington and his staff have renovated the Museum's second-floor Palmer Gallery for the exhibit, and the maize-yellow walls, red carpet and jade display cases repeat the themes of the title, which appear on the Gallery's back wall in English script and Mayan hieroglyphs. There is a wall-size

photograph of a temple pyramid, and the diverse stone, ceramic and metal artifacts are arranged chronologically, woven along a time line of items and events that made up the fabric of Mesoamerican life. Crops and quarry, sacrifice, warfare, writing and the calendar, ritual art, trade, crafts and ancient Mesoamerica's enduring contribution to Western culture - team sports - are represented.

The most striking of the Gallery renovations is a depiction of the ballgame that was played ritually and recreationally by opposing teams of players. Covering a wall, it was painted by UM graphic artist Cindy Eves-Thomas, who researched the project and then painted it in the intense primary colors characteristic of ancient Mesoamerican cultures. Played ritually, the game was believed to divine the future, "and the losers were usually sacrificed," Whittington says.

The opening reception will be from 5:30- 6:30 p.m. in the Palmer Gallery, where the exhibit was assembled from the collection of the late William P. Palmer III, a UM alumnus who bequeathed an extensive array of Native American artifacts to the University.

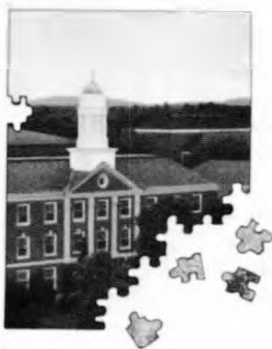
The opening will be highlighted by a series of University events addressing ancient Mesoamerica, including a performance by the Ballet Folclórico de Mexico in the Hutchins Concert Hall March 2, a free public lecture by Mesoamerican archaeologist William Sanders in the Bodwell Dining Area March 3, and a star show at the UM Planetarium March 7-28.▲

The University of Maine wishes to thank the more than 1,232 employees who have contributed to the Family Phase of the Campaign for Maine, including those who wish to remain anonymous. To date, employee giving has exceeded \$1,045,396. The Family Phase continues through June 30.

Current and former UM faculty and staff donors to the Campaign for Maine include:

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TASK FORCE ON PAPER REDUCTION SEEKS INPUT FROM CAMPUS COMMUNITY

The recently appointed Task Force on Paper Reduction has been asked to examine the flow of paper at the University to ensure that we are generating only necessary paper and that the administrative processes involving paperwork are accomplished as efficiently as possible. With this in mind, we would like input from the campus community by March 10 on two specific projects.

1) Send us your unwanted campus mail. **DO NOT SEND** the campus mail that you find valuable and then discard; send only mail that you have no interest in receiving at all.

2) Identify problems and/or suggested solutions related to the issue of unnecessary paper.

Task Force on Paper Reduction
201 Coburn Hall
Campus

Maine Perspective

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University of
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U Maine Calendar

MARCH 1-31

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 type-written and should be sent AT LEAST TWO WEEKS in advance. Deadline for each issue: 9 a.m. Friday. For more information, call x3745.

1 Monday

Excel 3.0 Macros & Customizing Worksheets, part of CIT's Mac training for faculty, students & staff, 9-11 a.m., March 1, 124 Barrows Hall. Registration. x1638.

"Intrasexual Territoriality in Carnivores," by Roger Powell, Department of Zoology, North Carolina State University, part of the Wildlife Seminar Series, noon, March 1, 204 Nutting Hall. x2481.

"Kleptoparasitism and Predation of Black Gullems (Cephus grylle) by Gulls in the Gulf of Maine," an oral exam by David Hayes, candidate for master's degree, noon, March 1, 106 Murray Hall.

"Maine's Health Objectives for the Year 2000," by Deborah Deatrack, Edmund S. Muskie Institute of Public Affairs, USM, part of the Healthspeak Luncheon Series, 12:20-1:30 p.m., March 1, Bangor Lounges, Union. x4194.

"New and Emerging Technologies/Distance Learning Applications," by Kevin Sanders, Digital Corp., part of the Distance Education Task Force presentation series, 1-2:30 p.m., March 1, Telecommunications Building. x3142.

Public Reading by Author E. Annie Proulx from her newest novel, *The Shipping News*, followed by reception and book signing, 7:30 p.m., March 1, 100 Neville Hall. x3775.

2 Tuesday

Recruiting on campus: U.S. Naval Undersea Warfare Center, electronics engineer positions, all day, March 2, Career Center, Chadbourne Hall. x1359.

"Effective Coaching and Counseling Skills: Practical Guidelines for Dealing with Employee Problems and Problem Employees," a Management Programs seminar by Liane Hamrick, counselor, Acadia Hospital, 9 a.m.-4 p.m., March 2, Wells Commons Lounge. Admission fee. x3361.

"Mechanistic Studies of Photo-Antioxidants for Defiberated Wood," by Arthur Ragauskas, Institute of Paper Science and Technology, Atlanta, part of the Wood Sciences and Engineering Institute Seminar Series, 11 a.m., March 2, 316 Aubert Hall. x1169.

"Life on a Different Planet: The Natural History and Ecology of New Zealand," by Gábor Lövei, research scientist, AgResearch, Rook House Agriculture Centre, New Zealand, part of the Wildlife and Conservation Biology Seminar Series, noon, March 2, 204 Nutting Hall. x2869.

"Writing a Woman's Life: Researching, Editing, and Using Diaries," by C. Stewart Doty and Marii Weiner, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., March 2, Bangor Lounge, Union. x1228.

Cross Gender Writing Workshop led by E. Annie Proulx, author of *The Shipping News*, 2 p.m., March 2, Bangor Lounge, Union. x1508.

"Realms of Blood and Jade: Prehispanic Mesoamerica," reception and reopening of the Palmer Gallery with its exhibit of artifacts from Mexico and Central America, 5:30 p.m., March 2, Hudson Museum, Maine Center for the Arts. x1901.

Recruiter Group Meeting: Metropolitan Life Insurance Co., Bangor office, offered by the Career Center, 7 p.m., March 2, North Lown Room, Union. x1359.

Performance by Ballet Folclórico de Mexico, part of the Maine Center for the Arts performance series, 7 p.m., March 2, Hutchins Concert Hall. Admission fee. x1755.

"The Greening of Swedish Agricultural Policy in an International Setting," by David Vail, professor of economics, Bowdoin College, a Global Semester Program, 7 p.m., March 2, 100 Nutting Hall. x3228.

3 Wednesday

Recruiting on campus: Farm Credit Banks of Springfield, credit representatives and financial services representatives, all day, March 3, Career Center, Chadbourne Hall. x1359.

WP5.1 Macros, part of CIT's DOS-software training for faculty & staff, 8:30-9:30 a.m., March 3, 255 Stevens Hall. Registration. x1638.

WP5.1 Mail Merging & Sorting Functions, part of CIT's DOS-software training for faculty & staff, 10 a.m.-noon, March 3, 255 Stevens Hall. Registration. x1638.

"Monitoring and Reviewing Progress," a Certificate in Management course by Philip Grant, management consultant and professor of management, Husson College, 9 a.m.-4 p.m., March 3, Wells Commons Lounge. Admission fee. x3361.

Word 5.0 Mail Merge & Database Functions, part of CIT's Mac training for faculty, students & staff, 2-2:55 p.m., March 3, 124 Barrows Hall. Registration. x1638.

Intro to Filemaker Pro Database, part of CIT's Mac training for faculty, students & staff, 3-4 p.m., March 3, 124 Barrows Hall. Registration. x1638.

"Sustainable Farming Systems: A California Perspective," by William Liebhardt, director of the University of California's Sustainable Agriculture Research and Education Program, Davis, Calif., 3:10 p.m., March 3, 17 Deering Hall. x2926.

"Female Workers at the Hawthorne Plant: A Feminist Analysis of a Classic Study," by Stephen Marks, a Department of Sociology colloquium, 3:15-5 p.m., March 3, Sutton Lounge, Union. x2380.

Do-It-Yourself Database Searching Workshop for Science & Engineering faculty, staff, and students, 4-5 p.m., March 3, Science & Engineering Center, Fogler Library. Registration. x1678.

"The Aztec Polity: A Hegemonic Empire," by William Sanders, Evan Pugh Professor of Anthropology, Penn State University, part of the For the Record: Perspectives on Contact in the Americas series, and part of the Distinguished Lecture Series, 7 p.m., March 3, Bodwell Dining Area. x1901.

"Empowered Reproductive Health: What You Need to Know When You Go for a Pregnancy Test," a discussion led by Jennifer Murray and offered by the Women's Center, 7 p.m., March 3, Peabody Lounge, Union. 866-7443.

The Official Story (Argentina), part of the International Film Series, 8 p.m., March 3, 100 Neville Hall. x2905.

4 Thursday

Recruiting on campus: Meldisco, a Division of Melville Corp., management trainees; Metropolitan Life Insurance Co., account representative positions, Bangor location, all day, March 4, Career Center, Chadbourne Hall. x1359.

WP5.1 Newsletter & Graphics, part of CIT's DOS-software training for faculty & staff, 8:30-10 a.m., March 4, 255 Stevens Hall. Registration. x1638.

WP5.1 Tables, part of CIT's DOS-software training for faculty & staff, 10:30 a.m.-noon, March 4, 255 Stevens Hall. Registration. x1638.

Association of Graduate Students Board meeting, noon-1 p.m., March 4, Lown Rooms, Union. x4548.

"The Gulf War Revisited: Failure of U.S. Modernization Policies," by Nathan Godfried, history, Hiram College, part of the Controversy Series, 12:20 p.m., March 4, Bangor Lounge, Union. x3861.

Fred Heath and Lillian Garwood Faculty Recital, 8 p.m., March 4, 120 Lord Hall. x1241.

5 Friday

"World Class Operations: Tools and Concepts for Modern Management," a Management Programs seminar by Ron Woodvine, manufacturing and operations consultant, 9 a.m.-4 p.m., March 5, Wells Commons Lounge. Admission fee. x3361.

Informal Conversation Celebrating the Spring Break, part of the Risky Business Spring Program, 12:15-1:30 p.m., March 5, Thomson Honors Center Library. x3264.

TGIF Music by Jim Frick, Camille Curtis, Mike Bennett and Bob Roman, 12:15 p.m., March 5, Bangor Lounge, Union. x1734.

Spring Break begins 5 p.m., March 5.

Ongoing Events

"James Linehan: 1978-1993, Landscapes," a University of Maine Museum of Art exhibit, through March 1, Peabody Lounge, Union. x3255.

"Ritual and Community: The Maine Grange," a University of Maine Museum of Art exhibit, March 1-26, Hauck Gallery and 1938 Gallery, Carnegie Hall. x3255.

"Business Law," a Certificate in Management course by Martha Broderick, attorney, Broderick & Broderick, 6-9 p.m., Mondays, March 1-29, Barrows Hall. Admission fee. x3361.

"Matt Lewis: Star Shock," a University of Maine Museum of Art exhibit, March 3-26, Carnegie Gallery. x3255.

"Skywatchers of Ancient Mexico," a Planetarium Show, 2 p.m. Sundays, March 7-28, Winslow Hall. Admission fee. x1341.

"Back to the Drawing Board: Bangor Women Artists at the Turn of the Century, 1890-1915," offered by the Bangor Historical Society and Isaac Farrar Mansion in recognition of the Women's History Celebration, March 8-15, Isaac Farrar Mansion, 17 Second St., Bangor. 942-5766.

Jeanie Moonie Photographs, a University of Maine Museum of Art exhibit, March 9-May 3, Peabody Lounge, Union. x3255.

An American Sampler, a Maine Masque Theatre production performed as the Maine State Touring production, 8 p.m., March 26-27, Pavilion Theatre. Admission fee. x1963.

"Imagination/Image Creation," a Hudson Museum exhibit of Native American dolls, through March 28. x1901.

"Navajo Rugs from the Collections," a Hudson Museum exhibit, through March 28. x1901.

Women's History Celebration Book Exhibit, 10 a.m.-3 p.m., March 30-31, FFA Room, Union. x1228.

"Elaine Hamilton: Stoneworkers of Maine," a University of Maine Museum of Art exhibit, through April 20, Graphics Gallery, Union. x3255.

Origami, a University of Maine Museum of Art exhibit featuring works by 14-year-old Gabriel Willow, Fogler Library display cases, through May 10. x3255.

"The Modern Art of the Print," a University of Maine Museum of Art exhibit, through June 15, Maine Center for the Arts. x3255.

Wilson Center open for coffee/quiet meetings, 8 a.m.-9 p.m. daily, 67 College Ave. 866-4227.

Study Abroad Resource Room, open daily 9 a.m.-noon, 2-4 p.m., 319 Maples. x2905.

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

University of Maine Amateur Radio Club meets every Sunday, 1 p.m., Merrill Hall Amateur Radio Station. x2351.

Reflection and Action Group at the Wilson Center, every Sunday, 4:30-5:30 p.m., 67 College Ave. 866-4227.

Wilson Center worship and celebration, followed by light supper, every Sunday, 5 p.m., 67 College Ave. 866-4227.

African-American Student Association meets every Sunday, 6 p.m., Bangor Lounge, Union. x1425.

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

Nontraditional Students Club meets every Monday, 3 p.m., Nutter Room, Union. x1734.

University of Maine Anthropology Club Meeting, every Monday, 7 p.m., FFA Room, Union. x1894.

Oratorio Society Choir Meeting, every Monday, 7-9 p.m., 217 Lord Hall. x1245.

International Folk Dance Club meets every Monday, 7-9 p.m., Lown Rooms, Union. x4194.

Faculty-Staff Recreational Basketball, every Tuesday and Thursday, 11:30 a.m.-1:30 p.m., Memorial Gym. All ages, men and women welcome. x3924.

Sharing Circle for Healing Racism, offered by the Bahá'í Club, every Tuesday, 4 p.m., Old Town Room, Union.

Cafe of the Mind, every Tuesday, 4-6 p.m., Ram's Horn. x1840.

General Student Senate meets every Tuesday, 6 p.m., 153 Barrows Hall. x1775.

Environmental Theatre every Tuesday, 7 p.m., 101 Neville Hall. x3300.

Maine Review at the Ram's Horn, every Tuesday, 7:30 p.m. x1840.

Yoga and meditation at the Wilson Center, every Tuesday, 7:30-8:15 a.m., 67 College Ave. 866-4227.

Maine Peace Action Committee meets every Thursday, 4 p.m., 10 Maples. x3861.

Franco-American Women Group meets every second Thursday of the month, 5 p.m., Franco-American Center, 126 College Ave. Bring dish to pass for potluck supper. x3775.

"A Taste of Home," home-cooked meal prepared by local church members, Wilson Center, every Thursday, 5:30 p.m., 67 College Ave. \$1 donation. 866-4227.

American Indians at Maine meets every Thursday, 6 p.m., FFA Room, Union.

Coffeeshop - movies at 7:30 p.m., live music at 9:30 p.m., every Thursday, Ram's Horn. x1840.

"Thursday Night at the Bear's Den" every Thursday, 8 p.m.

Muslim Prayer, every Friday, noon-2 p.m., Drummond Chapel. x2790.

International Students' Coffee Hour every Friday, 4 p.m., Bangor Lounge, Union. x2905.

35+ Singles Club meets every Friday, 5 p.m., Peabody Lounge, Union. x1734.

FREE TAX ASSISTANCE AVAILABLE

The University College Business Management student volunteers provide free tax help through the IRS' Volunteer Income Tax Assistance (VITA) Program. They meet in the small dining room of the UC College Center, Bangor, Mondays and Wednesdays, 2:45-5 p.m. until April 15, excluding the two-week Spring Break (March 5-19). The emphasis of the Program is to help people with basic tax returns, particularly people with low-middle income, the elderly, persons with disabilities, and students. There is no charge for this service. Appointments are not required.

6 Saturday

"Managing for Quality: A Philosophical and Managerial Guide to Creating a Company Culture Dedicated to Providing Quality Products and Services," a Management Programs seminar by Margaret Beckman, personnel manager, Training and Development Corp., 9 a.m.-4 p.m., March 6, Woolley Room, Doris Twitchell Allen Village. Admission fee. x3361.

9 Tuesday

Do-It-Yourself Database Searching Workshop for humanities and social sciences faculty, staff and students, 9-10:30 a.m., March 9, Fogler Library Conference Room. x1674.

10 Wednesday

Orono Chapter of ACSUM open meeting, 12:15 p.m., March 10, 1912 Room, Union. x2681.

"Protecting Reproductive Rights," a panel discussion with Ruth Lockhart, Mabel Wadsworth Women's Health Center; Martha Wildman, NARAL; and Sharon Barker, part of the meeting of the Orono-Old Town branch of the American Association of University Women, 7:30 p.m., March 10, Woolley Room, Doris Twitchell Allen Village.

12 Friday

Using Maine's Small Claims Court: Collect What Is Due Without Lawyer Fees," a Management Programs seminar by Martha Broderick, attorney, Broderick & Broderick, 9 a.m.-4 p.m., March 12, Wells Commons Lounge. Admission fee. x3361.

14 Sunday

Bangor Symphony Orchestra Performance of Brahms, Mozart and Tchaikovsky, featuring guest violinist Misha Amory, 3 p.m., March 14, Hutchins Concert Hall. Admission fee. 942-5555.

16 Tuesday

"Gifts From the Sea: Lessons in Leadership," a Management Programs seminar by Linda Cross Godfrey, president, Atlantic Leadership Institute, 9 a.m.-4 p.m., March 16, Wells Commons Lounge. Admission fee. x3361.

TECHNIQUES IN WATER RESOURCES SCIENCES WORKSHOP

A Techniques in Water Resources Sciences Workshop will be held at the U.S. Geological Survey Training Center, Denver, July 12-23. The Workshop for 25 instructors of college-level introductory courses is supported by the National Science Foundation Undergraduate Faculty Enhancement Program and the U.S. Geological Survey. For information and application forms, write: John Hubbard, Director, NSF/USGS Water Workshops, Earth Sciences, SUNY Brockport, Brockport, N.Y. 14420. FAX 716-395-2416. Deadline for receipt of applications: March 19.

17 Wednesday

"Preparing to Soar: The Leadership Dimension in Management," a Management Programs seminar by Linda Cross Godfrey, president, Atlantic Leadership Institute, 9 a.m.-4 p.m., March 17, Wells Commons Lounge. Admission. x3361.

19 Friday

"Property Law," a Management Programs seminar by attorney Martha Broderick, Broderick and Broderick, 9 a.m.-4 p.m., March 19, Wells Commons Lounge. Admission fee.

20 Saturday

"Why People Wear Feathers," part of the Hudson Museum's Just for Kids series, 10 a.m., March 20. Maine Center for the Arts. Registration. x1901.

22 Monday

Classes resume March 22.

Filemaker Calculation & Summary Fields & Database Reports, part of CIT's Mac training for faculty, students & staff, 9-11 a.m., March 22, 124 Barrows Hall. Registration. x1638.

"Fair Debt Collection Practices: Avoid Violating the Uniform Consumer Credit Code and the Federal Fair Debt Collection Act When You Pursue Delinquent Accounts or Repossess Collateral," a Management Programs seminar by attorney Martha Broderick, Broderick and Broderick, 9 a.m.-4 p.m., March 22, Wells Commons Lounge. Admission fee. x3361.

"Bird's Eye View of Maine's Industrial Forest Landscape," by John Hagan, Manomet Bird Observatory, part of the Wildlife Seminar Series, noon, March 22, 204 Nutting Hall. x2481.

"Supporting Lists in a Date Model: A Timely Approach," by Joel Richardson, Jackson Laboratory, part of the Computer Science Department Seminar Series, 4:10 p.m., March 22, 210 Neville Hall. x3940.

"Spider Woman's Granddaughter: American Indian Women's Literature," a keynote address by author Paula Gunn Allen, Labuna Pueblo Lakota, poet and UCLA English professor, part of the Women's History Celebration, 7:30 p.m., March 22, Hauck Auditorium. x1228.

23 Tuesday

"Executive Computing: Utilizing the Power of the Microcomputer," a Management Programs seminar by Quentin Dombro, president, Entre Computer Center, 9 a.m.-4 p.m., March 23, Wells Commons Lounge. Admission fee. x3361.

"Fun with Transition State Models," by Michael Sherrod, consultant, Farmington, part of the Chemistry Seminar Series, 11 a.m., March 23, 316 Aubert Hall. x1169.

Poetry Reading by Author Paula Gunn Allen, part of the Women's History Celebration, 12:15-1:30 p.m., March 23, Bangor Lounge, Union. x1228.

"Reclaiming Science for All," by Kate Scantlebury, part of the Science Education Seminar Series, 3:15-4 p.m., March 23, 216 Shibbes Hall. x2481.

Presentation by Don Smith, retired head gardener, Dumbarton Oaks, Washington, D.C., part of the Landscape Horticulture Club speaker series, 5 p.m., March 23, 113 Deering Hall. 827-3634.

"Shakespeare for My Father: The Life and Times of an Actor's Daughter," a performance by Lynn Redgrave, part of the Maine Center for the Arts performance series, 7 p.m., March 23, Hutchins Concert Hall. Admission fee. x1755.

24 Wednesday

WP5.1 File Management, part of CIT's DOS-software training for faculty & staff, 9-10 a.m., March 24, 255 Stevens Hall. Registration. x1638.

Formatting WP5.1 Documents, part of CIT's DOS-software training for faculty & staff, 10:30 a.m.-noon, March 24, 255 Stevens Hall. Registration. x1638.

Mourning for Mangatopi, part of From Cradle to Grave: Rites of Passage, the Hudson Museum film and discussion series, 12:10 p.m. and 4:30 p.m., with scholarly presentation/discussion by

Richard Emerick after second showing, March 24, Bodwell Dining Area, Maine Center for the Arts. x1901.

"Hate Crimes Prevention & Survival: Keeping the Community Whole," by Lt. Mark Dion, Portland Police Department, part of the Healthspeak Luncheon Series, 12:20-1:30 p.m., March 24, Bangor Lounges, Union. x4194.

Intro to PageMaker 4.01, part of CIT's Mac training for faculty, students & staff, 2-4 p.m., March 24, 124 Barrows Hall. Registration. x1638.

Do-it-Yourself Database Searching Workshop for humanities and social sciences faculty, staff and students, 3-4:30 p.m., March 24, Fogler Library Conference Room. x1674.

"Women's History: Who, What, Where, When, Why," a panel discussion by history graduate students, part of the Women's History Celebration, 3:30 p.m., March 24, Bangor Lounge, Union. x1228.

Performance by the Hong Kong Ballet, part of the Maine Center for the Arts performance series, 7 p.m., March 24, Hutchins Concert Hall. Admission fee. x1755.

Red Sorghum (China), part of the International Film Series, 8 p.m., March 24, 100 Neville Hall. x2905.

25 Thursday

WP5.1 Mail Merging & Sorting Functions, part of CIT's DOS-software training for faculty & staff, 8:30-10:30 a.m., March 25, 255 Stevens Hall. Registration. x1638.

WP5.1 Styles, part of CIT's DOS-software training for faculty & staff, 11 a.m.-noon, March 25, 255 Stevens Hall. Registration. x1638.

Do-it-Yourself Database Searching Workshop for Science & Engineering faculty, staff, and students, 11 a.m.-noon, March 25, Science & Engineering Center, Fogler Library. Registration. x1678.

Association of Graduate Students Board meeting, noon-1 p.m., March 25, Lown Rooms, Union. x4548.

"The Maine Economic Crisis and the University," a panel discussion with Ken Hayes, Rolf Tallberg, Bob Prasch and State Sen. John O'Dea, part of the

Socialist and Marxist Studies Luncheon Series, 12:20-1:30 p.m., March 25, Sutton Lounge, Union. x3861.

Raise the Red Lantern, part of the Peace & Justice Film Series and Women's History Celebration, 7 p.m., March 25, 101 Neville Hall. x3861.

26 Friday

"The Structure and Dynamics of Species' Ranges," by Rob Hengeveld, Institute of Forest Ecology, Arnhem, Holland, part of the Wildlife Seminar and Conservation Biology Seminar Series, noon, March 26, 204 Nutting Hall. x2869.

"Women in the Tradition of Gospel Music," by Bernice Johnson Reagon, author, founder and artistic director of Sweet Honey in the Rock, part of the Women's History Celebration, 12:15 p.m., March 26, Bangor Lounge, Union. Book signing to follow. x1228.

"Computer-assisted Instruction in the Teaching of Biology and Other Sciences," by Leonard Kass, part of the Risky Business Spring Program, 12:15-1:30 p.m., March 26, Thomson Honors Center Library. x3264.

TGIF Music by the Mike Bennett Sextet, 12:15 p.m., March 26, Bangor Lounge, Union. x1734.

"PCR, mtDNA and Evolution: Some Vignettes," by Tom Kocher, University of New Hampshire, part of the Department of Plant Biology and Pathology, Migratory Fish Research Institute and Department of Zoology Seminar Series, 3:10 p.m., March 26, 100 Nutting Hall. x2970.

"Renaissance: Millay at 100," a concert by soprano Nancy Ogle, 8 p.m., March 26, Hauck Auditorium. x1241.

27 Saturday

Spruce Run Photograph and Memorabilia Exhibit, part of the Women's History Celebration, 7 p.m., March 27, Bodwell Dining Area, Maine Center for the Arts. x1228.

Sweet Honey in the Rock benefit concert to celebrate the 20th anniversary of Spruce Run, part of the Women's History Celebration, 8 p.m., March 27, Hutchins Concert Hall. Admission fee. x1755.

CPR COURSES

CPR courses are being provided as a service to the University community for a minimal fee. Courses are approximately six-eight hours long and are either taught on two weeknights or one day on a weekend. Course dates are:

Feb. 27, 9 a.m.-4 p.m.
March 2 and March 4, 6-9 p.m.
March 23 and March 25, 6-9 p.m.
March 27, 9 a.m.-4 p.m.

Course Fees are: \$20, students; \$25, others. This includes CPR microshield, CPR text and certificate. Register by stopping by the University Ambulance Office at Cutler Health Center or by calling 581-4037.

Robert Dionne Junior Recital, 8 p.m.,
March 27, 120 Lord Hall. x1241.

28 Sunday

Andrew Campo Junior Recital, 2 p.m.,
March 28, 120 Lord Hall. x1241.

University Singers in concert, 3 p.m.,
March 28, Hutchins Concert Hall.
x1241.

Kevin Brown Trumpet Recital, 7 p.m.,
March 28, 120 Lord Hall. x1241.

29 Monday

Novice PageMaker 4.01, part of CIT's
Mac training for faculty, students & staff,
9-11 a.m., March 29, 124 Barrows Hall.
Registration. x1638.

**"Professional Image for Women: Image
as a Projection of Our Inner Selves,"** a
Management Programs seminar by coun-
selor Liane Hamrick, 9 a.m.-4 p.m.,
March 29, Wells Commons Lounge.
Admission fee. x3361.

**Colloquium of the North American Free
Trade Agreement**, with Jeff Faux, presi-
dent, Economic Policy Institute; Rachel
McCulloch, professor of economics,
Brandeis University; James Breece;
Peter Morici; Robert Prasch, a Global
Semester Program, 11 a.m.-12:30 p.m.,
March 29, Hutchins Concert Hall.
x1850.

**"The Painted Turtles of Mt. Desert
Island, Maine,"** by Anders Rhodin,
Chelonian Research Foundation, part of
the Wildlife Seminar Series, noon,
March 29, 204 Nutting Hall. x2481.

Arab Women: Image & Reality, a video
followed by discussion led by Taghreed
El-Begeearmi, part of the Women's
History Celebration, 3:15 p.m.,
March 29, Bangor Lounge, Union.
x1228.

30 Tuesday

**"Women in Leadership: The Coming of
Age in Corporate America,"** a
Management Programs seminar by Linda
Cross Godfrey, president, Atlantic
Leadership Institute, 9 a.m.-4 p.m.,
March 30, Wells Commons Lounge.
Admission fee. x3361.

"Women in the Greening of Harlem," a
slide lecture by H. Patricia Hynes,
adjunct professor of environmental
policy, MIT, and director, Institute on
Women and Technology, part of the
Women's History Celebration, 12:15-
1:30 p.m., March 30, Bangor Lounge,
Union. x1228.

**"The Unfinished Business of Silent
Spring,"** by H. Patricia Hynes, adjunct
professor of environmental policy, MIT,
and director, Institute on Women and
Technology, part of the Women's History
Celebration, 4 p.m., March 30,
100 Nutting Hall. x1228.

31 Wednesday

**"The Art and Science of Supervisory
Leadership,"** a Certificate in
Management Course by Linda Cross
Godfrey, president, Atlantic Leadership
Institute, 9 a.m.-4 p.m., March 31, Wells
Commons Lounge. Admission fee.
x3361.

**"Reconstructing Babylon: Women in
Engineering,"** by H. Patricia Hynes,
adjunct professor of environmental
policy, MIT, and director, Institute on
Women and Technology, part of the
Women's History Celebration,
12:15 p.m., March 31, Bangor Lounge,
Union. x1228.

Faculty Senate meeting, 3:15 p.m.,
March 31, Low Rooms, Union. x1167.

Films: **Women Like Us** and **Women Like
That**, part of the Women's History
Celebration, 3:30 p.m. Bangor Lounge,
and 7 p.m., Sutton Lounge, Union,
March 31. x1228.

Look Who's On Campus

Gabor Lövei, research scientist in AgResearch, Flock House
Agriculture Centre of New Zealand, will speak March 2 on: "Life
on a Different Planet: The Natural History and Ecology of New
Zealand." Lövei received a Ph.D. in zoology, specializing in bird
migration, in Hungary. His research experience is in bird and
insect ecology in Hungary, England, Italy and New Zealand. He
studies ornithology and agroecology - the ecology of agricultural
habitats, ecology of pest and beneficial organisms in agricultural
fields, and habitat manipulation for increased biocontrol. The
recipient of the 1992 Prince and Princess of Wales Science
Award, Lövei was a scientist in the Plant Protection Institute of
the Hungarian Academy of Sciences in Budapest before joining
the Agroecology Group of New Zealand's Flock House
Agriculture Centre in 1989.

MEMORIAL UNION HOURS - MARCH BREAK

Building:

7 a.m.-11 p.m. - Weekdays
7 a.m.-7:30 p.m. - Saturday, March 6 &
March 13
Closed Sunday, March 7 & March 14
Saturday, March 20: 7 a.m.-11 p.m.
Sunday, March 21: 7 a.m.-midnight

Offices:

Open 8 a.m.-4:30 p.m., Monday-Friday

Bookstore:

8 a.m.-4:30 p.m., Monday-Friday
Closed weekends

Newscounter:

7:30 a.m.-4 p.m., Monday-Friday
Closed weekends except Sunday,
March 21 - 9 a.m.-5 p.m.

Rec Center:

8 a.m.-4:30 p.m., Monday-Friday
Closed weekends

Food Service:

Damn Yankee: 7 a.m.-3:30 p.m.,
Monday-Friday
Closed weekends

Bears Den, Ford Room & Coffee Shop:

Closed except Sunday, March 21 -
Den open 11 a.m.-9 p.m.

Credit Union

Closed - (Main office on Rangeley Road
open)

Computer Cluster:

Friday, March 5: Open to 11 p.m.
Saturday, March 6 & March 13: 3-7 p.m.
Sunday, March 7 & March 14: Closed
Weekdays, March 8-12 & March 15-19:
3-11 p.m.
Saturday, March 20: 3-11 p.m.
Sunday, March 21: 8 a.m.-midnight

TELECOM TIDBIT

Have you ever gotten into someone's voice mailbox and wanted to leave a
message, BUT didn't feel like listening to his/her complete greeting? You can
bypass the greeting by pressing 5 as soon as you start to hear it. You will hear the
record tone and then you can leave your message.

Send any questions you would like addressed in this column to: Robin Wentworth,
Telecom, Neville Hall.

Snapshots Calendar

	CH. 5, 7 p.m. (Bangor)	MPBC, 10 a.m. (Statewide)	CH. 51, 7:30 p.m. (Portland)	PLUS, 6:30 p.m. (Biddeford)
Wednesday, March 3	Show #13 with Don Carrigan			
Friday, March 5			Show #13 with Don Carrigan	
Sunday, March 7		Show #13 with Don Carrigan		
Thursday, March 25	Show #14 with Penny Harris		Show #14 with Penny Harris	
Sunday, March 28			(Air time 6:30 p.m.)	Show #13 with Don Carrigan
Sunday, April 4		Show #14 with Penny Harris		



Volume #13 will be hosted by
Don Carrigan, UM Class of '74.

Untangling Our Past . . . Weaving Our Future

UNIVERSITY OF MAINE WOMEN'S HISTORY CELEBRATION

March 22-April 2

Celebration Highlights

MARCH 22

"Spider Woman's Granddaughter: American Indian Women's Literature," a lecture by Paula Gunn Allen, Laguna Pueblo Lakota, Poet and Professor of English, UCLA, 7:30 p.m., Hauck Auditorium. (*American Sign Language Interpreted*)

MARCH 23

Paula Gunn Allen Reads Her Poetry, 12:15 p.m., Bangor Lounge, Union.

MARCH 25

Film: "Raise the Red Lantern," 7 p.m., 101 Neville Hall.

MARCH 26

"Women in the Tradition of Gospel Music," a lecture followed by book signing by Bernice Johnson Reagon, Author, Founder and Artistic Director of Sweet Honey in the Rock, and a Smithsonian Curator, 12:15 p.m., Bangor Lounge, Union.

MARCH 27

Sweet Honey in the Rock in Concert, 8 p.m., Hutchins Concert Hall, Maine Center for the Arts. Reserved seating and admission fee. For tickets call 581-1755.

MARCH 30

"Women in the Greening of Harlem," a slide lecture by H. Patricia Hynes, Director of the Institute on Women and Technology, and Adjunct Professor of Environmental Policy and Planning at MIT, 12:15 p.m., Bangor Lounge, Union.

"The Unfinished Business of Silent Spring," a lecture by H. Patricia Hynes, 4 p.m., 100 Nutting Hall.

MARCH 31

"Reconstructing Babylon: Women in Engineering," a lecture by H. Patricia Hynes, 12:15 p.m., Bangor Lounge, Union.

Film: "Wisecracks," 7 p.m., 100 Nutting Hall.

APRIL 1

"The Nationalization of Women in Fascist Italy," a lecture by Victoria DeGrazia, Professor of History and Project Leader, Center for Historical Analysis, Rutgers University, 3:15 p.m., Bangor Lounge, Union.

APRIL 1-2

"Sisters," a play in English by French-Canadian Playwright Marie Laberge, directed by Linda Lansing-Smith, 8 p.m., Pavilion Theatre. The April 2 performance will be followed by a discussion led by Marie Laberge.

APRIL 2

Marie Laberge Reads From Her Works, 3 p.m., April 2, Peabody Lounge, Union.
(*in French*)

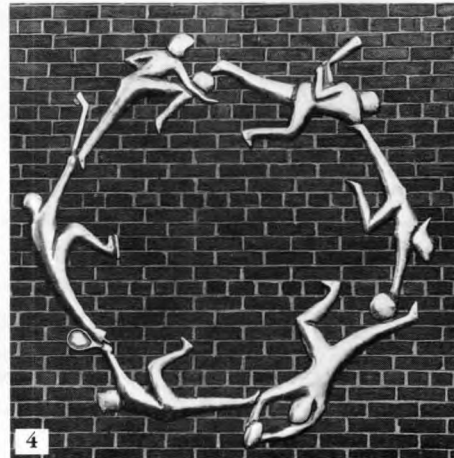
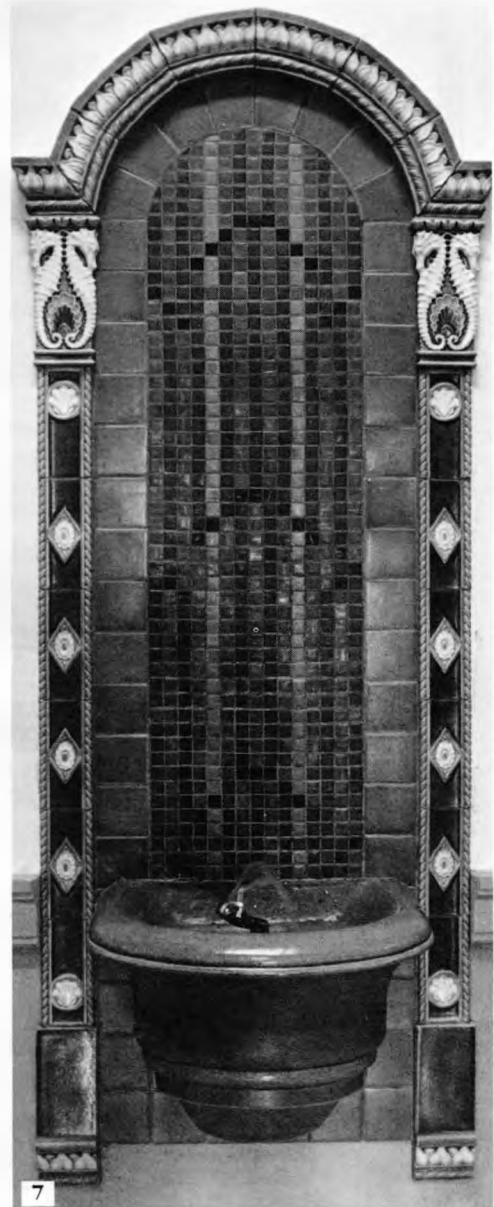
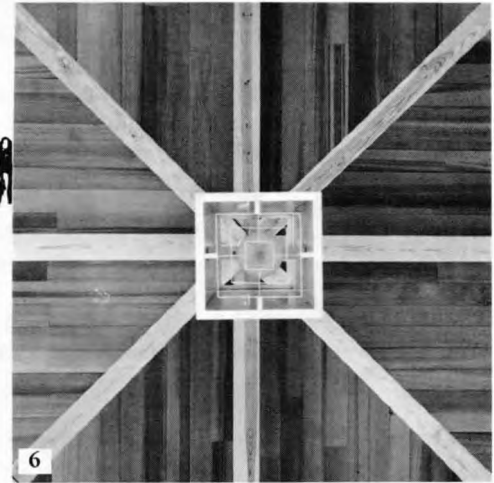
All events are free and open to the public unless otherwise indicated. All rooms are wheelchair accessible. For sign interpretation or mobility information, contact Ann Smith, Counselor/Coordinator of Services for Students with Disabilities, 581-2320.

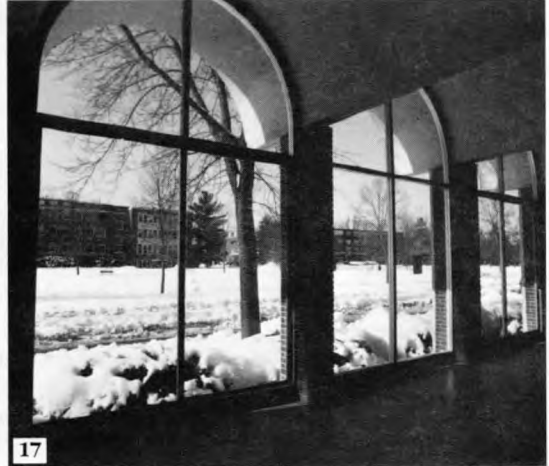
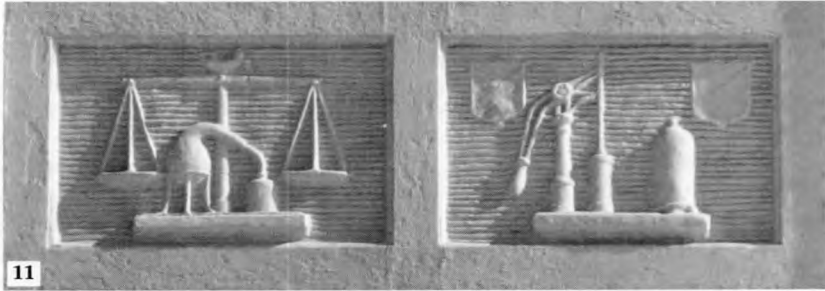
Details, Details

There are architectural details on buildings throughout the University of Maine campus that are as distinctive as they are elegant. They are among the elements that contribute to the unique architectural aesthetics of the Orono campus. They are the architectural aspects that often make visitors marvel, and yet for many of us passing by day in and day out, these understated features are little noticed.

Details, details.

- | | |
|---|---------------------|
| 1. Alford Arena | 9. Oak Hall |
| 2. Estabrooke Hall | 10. Memorial Union |
| 3. Sawyer Environmental Research Center | 11. Aubert Hall |
| 4. Memorial Gym/Field House | 12. Hannibal Hamlin |
| 5. Holmes Hall | 13. Lord Hall |
| 6. Nutting Hall | 14. Fernald Hall |
| 7. Merrill Hall | 15. Alumni Hall |
| 8. Covin Hall | 16. Coburn Hall |
| | 17. Little Hall |







Beard in

Philadelphia Inquirer

Earl Beard, professor of mathematics, is included in a Jan. 21 feature story about his son, Ethan, a Wharton student, and the six-month sailing voyage they took duplicating, in reverse, Christopher Columbus' historic journey. The article notes that one of Earl Beard's favorite lecture subjects concerns the relationship between advanced mathematics principles and Columbus' voyage to America.

Hatlen in

Gannett News Service

Burton Hatlen, professor of English and director of the National Poetry Foundation, is quoted in a national news service story Jan. 31 on the revival of poetry, following Maya Angelou poetry reading at the inauguration of President Clinton. Poems realize the sensory and auditory potential that lies within words, Hatlen says. However, he notes that Americans often lack the ability "to respond to complex language, language that's being used with all its resources."

Moen in the

National Journal

Matthew Moen, associate professor of political science, was quoted in a Jan. 23 article in the *National Journal* on the Religious Right and its efforts to build more effective grassroots networks. According to the experts, such networking involves expanding the ranks of the Religious Right to include denominations and races other than its traditional

white evangelical and fundamentalist members. And it involves broadening the causes the movement has traditionally rallied around. But a Religious Right takeover? According to Moen, groups such as the Christian Coalition have "made inroads in selected states, and then the threat gets overblown."

Vadas in

Wildlife Conservation

Robert Vadas, professor of botany, is featured in the November/December 1992 issue of *Wildlife Conservation*, a national magazine devoted to wildlife and conservation issues. The story discusses Vadas' research along the coast studying seaweed species to determine if over-harvesting or changing environmental conditions have caused a decline in its ability to regenerate.

And Locally Speaking ...

John Coupe, professor of economics, provided comment and analysis of President Clinton's state-of-the-union address to the Associated Press.

John McCallie, assistant professor of agricultural and resource economics, and students in an economics principles class shared views on President Clinton's state-of-the-union address with WVII-TV, Channel 7.

Jim Breece, associate professor of economics, did a live interview with WLBZ-TV, Channel 2, about President Clinton's economic plan and its potential impact on Maine.

Penny DeRaps, assistant professor of nursing, was interviewed by WABI-TV, Channel 5, and Maine Talk Radio about her research concerning tubal ligations.

Bob Rice, assistant professor of wood science and technology, was interviewed by the *Bangor Daily News* about hardwood exports.

Bob Seymour, Curtis Hutchins Associate Professor of Forest Resources, was interviewed by the *Maine Sunday Telegram* about sustainable forestry.

To the University of Maine Community:

To the credit of many members of the University of Maine community, an immediate financial crisis has been averted.

The letters, phone calls and personal contacts students, faculty, staff and friends initiated with legislators and the Governor's office during the past several weeks apparently made an impression. As a result, the most dramatic budgetary action proposed so far this year — another \$11 million "deferred" payment to the University of Maine System — last week was rejected by the Maine Legislature. Instead, the Legislature cut \$350,000 from the System's current funding level — a significant amount, but much more manageable than the originally-proposed loss of \$11 million!

By mobilizing, members of our campus community and others who care about it appealed for — and received — responsibility and accountability from our state leaders. There is no question that the proposed deferment would have had a devastating impact on accessibility, affordability and quality at the University — both immediately and in the long run. The actions of many who care about our University and higher education in general helped protect those three concerns.

To its credit, our area legislative delegation spoke out against the action. Those legislators deserve our thanks. Two local legislators in particular played key roles in rejecting the proposal: Sen. Mike Pearson, who co-chairs the Appropriations Committee, and Sen. John O'Dea, the co-chair of the Education Committee. Both individuals showed real leadership and responsiveness by using their respective positions to defend the interests of higher education in Maine.

Though we have survived this latest round of cuts, we still have another major challenge ahead: protecting higher education from the Governor's proposed budget reductions for the next two years. Those proposals would cut more than \$13 million from the University System's two-year budget, and would have the System pay itself back an additional \$4 million in funding that the state "borrowed" from us a couple of years ago.

That proposal, if allowed to pass, will create immeasurable harm to the programs and services provided by the University and other institutions within the System. Without question, the cuts would also create higher tuition levels and force us to cut back courses, services, faculty, staff, administration and maintenance even more than we already have.

Yes, we should be proud that we effectively exercised our right to speak out against harmful, unfair government policies which could have severely damaged this University and all of higher education in Maine. But the job is not over. We must continue to speak our minds on the other threat we face — the proposed two-year budget. For the good of the state, we must let Maine's Governor and legislators know how harmful further cuts would be to the people, programs and industries that depend on higher education for help, success and survival.

Again, I thank and commend those who took the time to speak out against the latest proposed action. I ask those people — and other students, faculty, staff, friends and business and community leaders — to continue to speak out with state officials as we enter the next phase of our effort to protect quality higher education in Maine.

Sincerely,

Frederick E. Hutchinson

Supercritical Fluids *continued from page 1*

liquid interface; the density of the liquid and vapor become identical. Under such conditions, for example, water and oil mix easily.

Supercritical fluids can be used to extract one compound from a complex material, and then precipitate the compound from the fluid at a later stage. In addition to such separations, supercritical fluids can be used to penetrate materials, introducing compounds into some of the densest substances or modifying systems difficult to penetrate.

Since 1983, Kiran has been involved in supercritical fluid science that has caught the attention of the National Science Foundation and other national agencies because it is cutting edge research - with high risk/high return characteristics. What began as supercritical fluid research to aid the pulp and paper industry in its delignification process has expanded to polymer formation (polymerization) and processing, and to such studies as a USDA project on improvement of wood by impregnating it with polymers dissolved in a supercritical fluid. And because he has been breaking new ground in supercritical fluid science, through the years Kiran has had to develop such key components as databases and instrumentation, including a sophisticated laser optical system for observing phase separations.

This year, Kiran's first book on the research: *Supercritical Fluid Engineering Science*, has been published. Co-edited with Joan Brennecke of the University of Notre Dame, the book contains selected papers from an American Institute of Chemical Engineers symposium on supercritical fluids held in 1991. It is the latest of the writing of Kiran, who has published widely and contributed numerous book chapters, and who is the founder/editor of the first international *Journal of Supercritical Fluids*, a quarterly publication now in its fifth year.

This July, Kiran will be in Turkey where 100 of the world's top supercritical fluids scientists will gather for the first Advanced Study Institute on Supercritical Fluids. Sponsored by NATO, and organized by Kiran and four other researchers from The Netherlands, Turkey, Germany and the U.S., the two-week Institute will present the "fundamentals for application" - reviewing the current state of scientific knowledge on experimental and theoretical methods in the field, and critically examining current measurement and modeling practices.

"When I started in supercritical fluids there weren't many scientists involved in it," said Kiran, who has supervised and seen three Ph.D. students graduate with a speciality in supercritical fluids and who now works with four Ph.D. and three master's students in his specialized laboratories in Jenness Hall. "Now every chemical engineering department has some aspect of supercritical work going on and every chemical company has some kind of program with supercritical fluids. In the next decade we will see more actual implementation and process utilization involving supercritical technology."

The key is in taking advantage of the nature of supercritical fluids, Kiran said. That includes the fact that supercritical fluids have higher dissolving powers, that the properties of supercritical fluids can be varied by simply adjusting pressure, and that such fluids are attractive as tunable process solvents or reaction media. It has now been shown that a flame can be formed in supercritical water.

Much of the early research was focused on the use of single fluids, such as carbon dioxide, in extractions. Since then the emphasis on single fluids has shifted to binary and multicomponent fluids and processes with greater complexity. And applications have expanded beyond extractions and separations to include reactions, polymer (i.e. plastic) processing, pharmaceu-

tical manufacturing, food processing and environmental remediation.

Currently, for example, supercritical water oxidation is being explored for treatment of industrial wastes, and NASA is considering the technology for use in space as part of advanced life support systems through the processing of solid waste and reclamation of water. Supercritical fluids can be used in diverse polymer processing applications - from polymerization and fractionation to morphological (shape) modifications. Polymerization processes, and polymer processing and separation are major areas of research activity in Kiran's group.

Supercritical fluids continue to be used largely for extractions and reactions, either to isolate a desired compound or remove undesirable components to improve the product. In this way, impurities can be removed from polymers, electronic parts can be cleaned with more environmentally sound methods, and organic compounds can be removed from coal to produce cleaner-burning fuels.

One area of supercritical fluids research has the potential to impact the disposal of such solid waste as used tires. In other environmental areas, supercritical fluids are being studied for their ability to remove toxic contaminants from soils and industrial waste. Research is ongoing in the use of supercritical water oxidation for treatment of wastewaters and sludges; it has been estimated that supercritical water can destroy 99.9 percent of many of the EPA priority pollutants.

"We're looking for alternatives to toxic solvents and (ozone-depleting) fluorocarbons, for better processing, and methods that are environmentally more acceptable," Kiran said. "The implications for science and technology are tremendous. The application areas are enormous. Ten years from now, supercritical fluid use will be a big part of the chemical industry. There will be changes as the result of supercritical fluid research." ▲

STEVE GRADY CREATIVE WRITING COMPETITION WINNERS

JOURNALISM

News

Mike McLaughlin, First Prize
Rhonda Frey, Second Prize

Opinion

Deanna Partridge, First Prize
Kim Dineen, Second Prize

Features

Deanna Partridge, First Prize
Kim Dineen, Second Prize

GRADUATE STUDENTS

**A call for papers for the
Graduate Student Research Fair
April 26-30**

SPONSORED BY THE ASSOCIATION OF GRADUATE STUDENTS

DEADLINE FOR SUBMISSIONS: MARCH 22

**FOR MORE INFORMATION AND SUBMISSION CRITERIA,
CONTACT YOUR GRADUATE COORDINATOR,
DEPARTMENT CHAIR OR YOUR
DEPARTMENTAL REPRESENTATIVE TO THE
ASSOCIATION OF GRADUATE STUDENTS.**

Educational Alliance *continued from page 1*

The Alliance had its first conference Dec. 3-4, attended by almost 80 educators to discuss the future of the new organization. One of the goals is to provide a forum for discussion, study and joint planning across the region. Other goals are to promote collaboration across the border, and to study the direction of emerging policy decisions in both countries.

Cobb said that lessons can be learned by studying the policy decisions in Canada. An example is the recent changes in New Brunswick which have led to the consolidation of 43 separate school districts into 17. Cobb said this is important to observe and discuss because Maine has also been considering a restructuring of its administrative structure. Observing the benefits and problems of the changes in New Brunswick could help Maine in the future, he said.

"The future intent is to gain a full, open dialogue on educational issues as they affect public school youngsters of all ages," according to James Doughty, Bangor superintendent of schools. "The exciting part is that we are opening the forum of exchanges and broadening our horizons."

The Educational Alliance has previously included only administrators, but plans are in the works to include staff and faculty in upcoming conferences. The next meeting will be held in Fredrickton March 31-April 1. Many systems will be bringing some of their staff to discuss teaching methods as well as administrative issues.

Teachers will also be included in a new program this summer with exchange between UM and the University of New Brunswick to discuss teaching methods and issues. Workshops will be held in Canada for public school teachers from both sides of the border.

Canadian teachers will be discussing their new methods of cooperative learning, which Cobb said would be useful here in Maine and in the United States. In cooperative learning, the teacher becomes a facilitator rather than a lecturer, and students are taught to teach each other and be held accountable for their own learning - even from the earliest grades.

The Canadian schools also gain valuable information from the Alliance. A major issue in the Maritime provinces now is the development of a middle school system. Currently Canada is moving toward middle-level schools, and Maine educators are able to share their expertise about the middle school system.

Other common areas of interest include funding problems and the preparation of teachers. In Canada, the teacher education system is similar to that of the U.S., but more preparation is required at the graduate level than the undergraduate level. The largest problem that Canada has, particularly in New Brunswick, is that few students are allowed to enter the teaching programs, and this is leading to a severe teacher shortage, Cobb said.

"There are very low quotas on the number of people who can study teacher preparation. A number of people who cannot gain access to their teacher preparation programs are now coming to this state for their teacher preparation. They are studying here in Orono, at Machias, at Presque Isle and at Fort Kent, and then returning to New Brunswick to gain certification."

UM Professor of Education Walter McIntire, acting director of the College's Office for Research and Evaluation, has recently completed a study of the supply and demand of teachers in New Brunswick. It was determined that Canada may have an impending crisis with a teacher shortage soon because its population of teachers is growing increasingly older, and few teachers are being prepared for the future.

This is quite different from the educational situation in this country, where currently there seems to be a surplus to

teachers. But according to Cobb, those circumstances could change soon.

Although there is a shortage of jobs here now, the projections for the year 2003 show that there will be a marked increase in the number of students entering the elementary and secondary schools. Overall there should be about a 15 percent increase, Cobb said. That's why the Educational Alliance can be beneficial.

"As the economic free trade agreement gets put in place over the next several years and its impact expands over time, I think there will be a corollary of free exchange of ideas across the border as it relates to education," Cobb said. ▲

FIRST ANNUAL GRENFELL POETRY PRIZE

Honoring Clarine Coffin Grenfell, UM Class of '32

First Prize, Traditional Form - \$200

First Prize, Experimental Form - \$200

Second Prize (any form) - \$100

Third Prize (any form) - \$50

Open to any currently enrolled UM undergraduate

One entry per person, 3-5 pages typed

Deadline: 3:30 p.m., April 1

For more information,
contact the English Department, x3822

UM Extramural Awards

The Office of Research and Sponsored Programs reports that there were 25 extramural awards to the University of Maine in January totalling more than \$1,109,000 in sponsor funding.

The new awards for January (listed by principal investigator, co-investigator(s), title, agency) include:

- H. Boms:** Initiation of Glaciation, Western Ireland, National Geographic Society
- R. Bushway:** Glycoalkaloid Analysis of Transgenic Tomatoes, Calgene Fresh Inc.
- W. Dunham:** Aroostook Farm Building Consolidation, USDA
- S. Dunning, S. Dvorak:** The Energy Analysis and Diagnostic Center Program, U.S. Dept. of Energy
- I. Fernandez:** Castnet in Maine, Environmental Science & Engineering Inc.
- D. Hanselman:** IPA Assignment Year 4, U.S. Dept. of Defense/Navay
- C. Hess:** Radiation Education Program, Maine Yankee Atomic Power Co.
- M. Hubbard, D. Lux, C. Guidotti:** Collaborative Research: Crustal Profile of a Major Transpressional Boundary, NSF
- L. Kass:** Studies of the Visual System of the Deep Sea Shrimp, NSF
- D. Megquier:** Maine Educational Opportunity Outreach Programs VA Contract Counseling Project, U.S. Dept. of Veterans Affairs
- C. Morris:** Jobs for Unemployed Maine Parents, Coastal Enterprises Inc.
- J. Patton:** REU Supplement - Identification of Static and Dynamic Distribution, NSF
- J. Pettit:** MDECS Support for Communication Disorders Graduate Students 1992-93, Maine Dept. of Education
- S. Relling:** Caribou-Speckled Mountain Wilderness Study, USDA/Forest Service
- B. Sidell:** Adaptions to Counter Diffusional Constraints in Muscle of Channichthyid, NSF
- D. Tyler, M. Egenhofer, M. Beard:** National Center for Geographic Information - Year 5, NSF
- L. Zeph, D. Gillmer:** Facilitated Communication in Maine, Maine Dept. of Mental Health and Mental Retardation
- L. Zeph:** National TEEM Outreach, U.S. Dept. of Education

Continuation or supplemental awards include:

- J. Ahlin:** Senior Companion Program, ACTION
- R. Dana:** The 1992 Maine Drug and Alcohol Assessment, Maine Dept. of Education
- W. Dunham:** Agricultural Research Service - NE Plant, Soil & Water Lab, USDA (two)
- G. Jacobson:** Rates of Long-term Vegetation and Climate Change in North America and Europe, NSF
- L. Kling:** Increasing Aquaculture Production in the Northeast through Nutrition, USDA
- S. Wolpert:** RIA: Examination of a Neuronal Algorithm Using VLSI-based Models, NSF

Scholar-Athlete Recognition Awards are presented annually by the Athletic Advisory Board of the University of Maine to those student-athletes who have earned a 3.0 or better GPA for both the previous spring and fall semesters and/or have maintained a 3.0 accumulative GPA. The Award is a medallion, the color of which symbolizes the number of years a recipient has received the honor. This year's bronze, silver and gold medallions are awarded for academic excellence during the spring and fall semesters of 1992. The Awards are sponsored by the University of Maine Alumni Association and Graduate M Club.

1992 UNIVERSITY OF MAINE SCHOLAR-ATHLETES

Name	Sport	Hometown	Major or College
Bronze			
Tammy Barrows	Field Hockey	Rockland	Education
Heath Cowan	Golf	Anson	Civil Engineering
Amanda Darlak	Women's Soccer	Penfield, NY	Zoology
Seana Dionne	Women's Basketball	Millinocket	Business Administration
William Dye	Cross Country/Track	Columbia, MD	Mechanical Engineering
Kristina Edgcomb	Track	Hallowell	Education
Tiya Eggan	Women's Soccer	Anchorage	Arts & Humanities
Peter Ellef	Men's Soccer	Avon, CT	Applied Sciences & Ag.
Nathan Faatz	Track	Gorham	SET/BMT
Kenneth Fengler	Cross Country/Track	Scarborough	Zoology
Roswell Fichthorn	Football	Madison	Social & Beh. Sciences
Royal Fraser	Swimming	Portland	Anthropology
Jennifer Gillette	Tennis	Glens Falls, NY	Zoology
Erin Grealy	Women's Basketball	Medford, MA	Zoology
Michelle Hamli	Track	Falmouth	Political Science
Scott Hume	Track	Veazie	Social & Beh. Sciences
Colley Johnson	Swimming	Brewer	Social & Beh. Sciences
Kellie Leeman	Women's Soccer	Caribou	Political Science
Alexis Livingston	Swimming	Cape Elizabeth	Education
Douglas McEwen	Baseball	Skowhegan	Education
Todd Mercer	Swimming	Bucksport	Education
Kendra Michaud	Track	Lee	ACE
Rhett Morse	Track	Windsor, VT	Education
Deborahann Norman	Track	Brewer	Education
Corey Parker	Football	Bradford	Education
Robert Pauleus	Football	Montclair, NJ	Speech Communication
Dustin Perkins	Men's Soccer	Hartland, VT	Wildlife Management
Kristin Phaneuf	Field Hockey	Canton, MA	Social & Beh. Sciences
Chris Richardson	Track	Shelburne, VT	Engineering
Jennifer Riley	Swimming	Lumberville	Education
Kate Ringo	Cross Country/Track	Old Town	Social & Beh. Sciences
Joseph Robinson	Football	Vorhees, NJ	Education
Aaron Rog	Swimming	Stillwater	Education
Lawrence Ryan	Track	East Lebanon	Zoology
Garth Snow	Ice Hockey	Wrentham, MA	Business Administration
Jenni Stinchcomb	Field Hockey	Wilton	Arts & Humanities
Jason Street	Swimming	Old Town	Applied Science & Ag.
Rita Sullivan	Women's Basketball	Bangor	Arts & Humanities
Anthony Szydowski	Football	Lawrenceville, NJ	Business Administration
Eric Toole	Cross Country/Track	N. Attleboro, MA	Education
Angela Tremblay	Track	Lincoln, NH	Education
John Zinckgraf	Track	Belgrade Lakes	Biology
Silver			
Anthony Anderson	Cross Country/Track	Bath, ME	Education
James Berg	Men's Soccer	Rockaway, NJ	Political Science
Timothy Dean	Men's Soccer	Plano, TX	Zoology
Karen Fields	Cross Country/Track	Frankfort	Speech Communication
Angela Gamache	Softball	Lisbon Falls	Education
Carrie Goodhue	Field Hockey	Sydney	Education
Nicole Kimball	Women's Soccer	Anchorage	Natural Resources
James Montgomery	Ice Hockey	Anjou, Quebec	Business Administration
Krista Purinton	Track	New Gloucester	Psychology
Debra Smith	Softball	Munnsville, NY	Education
Ronald Springer	Football	Dudley, MA	Education
Christina Strong	Women's Basketball	Thomaston	English
Dawn Strout	Field Hockey	East Corinth	Education
Jeffrey Wass	Golf	Rockland	Business Administration
Gold			
Monica Belyea	Cross Country/Track	Caribou	Human Nutrition/Foods
Todd Dufresne	Golf	Winslow	Chemical Engineering
Adam Knudsen	Football	Owego, NY	Engineering Physics
Gretchen Lahey	Field Hockey	Old Town	Political Science
Patrick Laughlin	Men's Soccer	Arlington, TX	History
Tenley Libby	Softball	Warren	Education
Allyson Lowell	Cross Country/Track	Kennebunk	Social Work
Joseph Pagliarulo	Track	Selden, NY	Business Administration
Kimberley Pierce	Cross Country	Brewer	English



The academic excellence of the Women's and Men's Cross Country Teams and Head Coach Jim Ballinger is recognized with the 1991-92 Team Scholastic Awards. Congratulating Ballinger and the 65 scholar-athletes for 1992 are, left to right, Margaret Zilloux, associate athletic director for Academic Support Services; Stan Pliskoff, Athletic Advisory Board chair and professor of psychology; Jason Street, a member of the Men's Swim Team; Gretchen Lahey, a member of the Field Hockey Team; George Jacobson, faculty representative to the NCAA, and professor of botany and associate director of the Institute for Quaternary Studies; and Ballinger, coach of Women's and Men's Cross Country/Track Teams. Photo by Monty Rand

Career Center

NEW INTERNSHIP ANNOUNCEMENTS:

Upward Bound (University of Maine): Summer Counseling Internship (June 21 - Aug. 6 - room and board are provided for residential life positions, summer work study is necessary for some Upward Bound positions). Interviewing planned for April and May.

Geiger Bros. (Lewiston, Maine): Accounting intern, summer 1993. Seeking junior in accounting who has completed at least intermediate accounting. The job will consist of general accounting work to include financial reporting, general ledger closings and analysis, and other general accounting tasks.

National Audubon Society (Aullwood Audubon Center and Farm, Dayton, Ohio): Environmental education internships (12 weeks - \$500 stipend and housing). Some six-month positions also available.

Department of Geological Sciences, Columbia University: Internships with theme of analyzing global databases (June 1-Aug. 6 - \$2,200 for 10 weeks and free housing). DEADLINE: March 10.

The Boston Globe: Account executive in the Advertising Department, for minority students only (one-year position beginning in July - annual salary approximately \$36,000). DEADLINE: April 1.

TOP 10 MYTHS ABOUT THE CAREER CENTER

Myth #3
Students don't really get jobs through the Career Center.

Fact: The Career Center does not place students in jobs; it teaches students the skills needed to conduct a successful job search, and it provides the tools to make the job search easier. The more you use the services and resources at the Career Center, the more likely it is that you will find a job.



Maine Perspective classified ads are published weekly and are free to faculty, staff and students at the University of Maine. Ads must be typewritten and include a telephone number. They will be published one week only unless otherwise specified. Send ads to: Maine Perspective Classifieds, Public Affairs. Ads must be received by 9 a.m. the Friday before they are to appear in the next week's issue.

FOR SALE

AUTOMOBILE: 1984 Volvo 240GL Wagon, extremely clean, high compression, always garaged, always "no smoking." 132,000 careful miles, cruise control, leather seats, auto trans., air cond., new brakes, AM/FM, dolby cassette, roof rack, more. \$3,800. 567-3726.

AUTOMOBILE: 1984 Buick Century for parts. Call 732-5261.

AUTOMOBILE: 1983 Volvo, 760 GLE turbo diesel. Air conditioning, leather, 6-speaker stereo with equalizer/sound effect, cruise control. Two-position power sunroof. All power. Never in snow (California license). Very clean in/out. Black. \$4,400. Phone 581-2853 or 827-2806.

COMPUTER MONITOR: Zenith (ZCM-1430) - 14" High Resolution Non-Interlaced SVGA Color Monitor; 0.28mm dot pitch; glare resistant chemically etched screen; cable and user's guide included; originally \$400 new four months ago; asking \$300; call Bob, 581-1344.

FURNITURE: 1940s Chesterfield sofa and matching chair. Good condition. \$150. Call 732-5261.

MOBILE HOME: 14 x 70 1982 Maine Build Oxford Mobile Home in Sunset Park. Two bedrooms, excellent condition. Must See! Financing help available. \$18,900. Call 827-8312.

MOBILE HOME: 1981 14 x 64, two-bedroom, one bath, appliances. Birch Hill Estates, Bangor. \$17,900. Call 942-0375.

MOBILE HOME: \$2,000 cash back! 1985 Liberty - 14 x 65. Excellent condition, 2 bedrooms, all major appliances, deck, vinyl skirting. In local part 12 miles from UM campus. \$12,900. Call 296-2868.

SKI BOOTS: Salomon SX-91 Equipe, volumetric size 345, U.S. size 9-9 1/2. Fully adjustable rear entries, solid for intermediate to advanced skiers. \$50. Call 581-3252.

SOFTWARE: "Where in America's Past is Carmon Sandiego?" Software for the Macintosh. Never used, my kids are fascinated but too young. \$25. Call 581-2246.

STOVE: Four-burner electric stove/oven in working condition. \$35. Call 581-4556.

TELEPHONE: Bell South cordless, 1-year-old. Retail \$80; best offer. 941-8699 or 581-2149.

SERVICES

COUNSELING FOR COUPLES: The Personal Growth and Development Center offers counseling for couples by graduate student counselors under supervision. \$25 per semester. Call 581-2499.

HOME DECOR/CRAFTS: Consultant with expertise in era or theme decor. Extremely talented crafts artisan with over 10 years professional experience. Full range - from floor design stenciling to decorating baskets to making curtains and lampshades, and everything in between to enhance the mood and value of your home. Call 732-5261.

TYPING: You name it, I'll type it. Reasonable rates and fast service. Call Barbara, 581-3264.

TYPING: Term papers, dissertations, resumes, correspondence, etc. Reasonable rates and prompt service. Call Charlene, 581-1490 or 862-5636 after 5 p.m.

TYPING: Theses, dissertations, technical papers, and term papers. Resumes and cover letters. Proofreading, research etc., by the hour or by the job. Two years professional experience. 581-2188 (8 a.m.-noon) or 989-3433 (after 12:30 p.m.) for appointment.

TYPING: Computer and typing work at home - word processing such as theses, resumes and letters. Pick up and delivery. Call 989-3172.

FOR RENT

APARTMENT: Two-room efficiency, Bangor, centrally located, heat, cozy, parking, storage, no pets. Good references a must. \$285/month. 942-6078.

APARTMENT: Two-bedroom, modern, ideal location, downtown Orono. \$500/month. Call 866-5976.

HOUSE: Executive home in Brewer, 2 acres, exclusive area, 4 BR, 2 1/2 bath, custom kitchen with built-in BBQ pit, oversized LR with fireplace, formal DR, screened porch. 2-car garage. All amenities. \$1,200/month plus utilities; \$198,500 sale price. Call 989-1848.

WANTED

REAL ESTATE: Family looking to purchase 3+ bedroom home with garden space in Orono or surrounding areas. Please call 866-4103 or 581-3836.

TO RENT: A professor from the London Business School and his family are interested in renting a large (3-bedroom or more), furnished home or camp in the Bangor/Orono area during the month of August 1993. Please call Anne Geroski, 581-2497 or 866-0203.

Along the Mall



Howard Segal, professor of history, served as a member of an expert panel of reviewers evaluating research proposals in American history, politics, science, and technology for the National Endowment for the Humanities, Washington, D.C., Feb. 16.

William Ostrofsky, associate research professor of forest resources, Cooperative Forestry Research Unit, presented an invited seminar: "An Update of Research on Papermill Sludge Ash and Wood Ash Utilization on Forest Land," at the Northern Maine Forest Forum, Caribou, Feb. 8.

Joseph Genco, interim chair, **David Kraske**, retired chair, and **Marquita Hill**, cooperating research professor, Department of Chemical

Engineering, were invited recorders or facilitators for a U.S. Department of Energy-sponsored workshop: "Paper Mill of the Future," Feb. 3-5, Reston, Va.

Robert Vadas, professor of botany, oceanography, and zoology, has been invited to a conference in Tromso, Norway, to speak and be a member of an international review panel on: "Kelp-sea Urchin Research Program" for the Norwegian government and Norwegian Institute for Nature Research.

Alfred Leick, associate professor in surveying engineering, presented the papers: "Centimeter Navigation and Surveying in Real Time with the Global Positioning System (GPS)" and "Accuracy Standards for National Three-Dimensional Geodetic (Spatial) Networks" at the Annual Convention of the American Congress on Surveying and Mapping (ACSM), New Orleans, Feb. 14-18. Over the past year, Leick chaired an Ad Hoc Committee on Accuracy Standards and received a Presidential Citation in New Orleans for successful completion of the standards and for writing the final report.

A REMINDER FROM PUBLIC SAFETY

Public Safety is receiving an increased number of requests to open buildings after hours and on weekends. Our staff is limited in size and must handle requests for service according to the priority of the request. These include driving the ambulance and dealing with a variety of situations such as vehicle accidents, harassments, fights, thefts, personal injury accidents, fire and burglary alarms, etc.

If an officer is available at the requested time(s) to perform the requested opening(s) and closing(s), then he/she will do so. If one is not, then there will be a delay, which in some instances will exceed an hour. Therefore, if it is imperative that the opening(s) and closing(s) occur at the requested times, we recommend that alternative arrangements be made, such as providing a key to a staff member who will be at the function.

Finally, if you still wish to rely on us for the opening(s) and closing(s), we recommend that as few doors as possible be unlocked and that they be left so that they will automatically lock when those using the facility leave. To do otherwise is to further increase our institutional exposure to theft and vandalism. Direct all such requests to Alan Reynolds, director of Public Safety. We do appreciate your understanding and cooperation regarding these requests for service.

