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Maine Perspective

A PUBLICATION
FOR THE
UNIVERSITY OF
MAINE

VOL. 9, NO. 7
NOVEMBER 17, 1997

UNIVERSITY SPECIAL COLLECTIONS
COLLECTION

Governor Proclaims 'University of Maine Week'

Gov. Angus King has proclaimed Nov 17-21 "University of Maine Week," commending its observance by citizens throughout the state.

The Proclamation, in honor of the Inaugural Convocation of University of Maine President Peter S. Hoff, cites some of the many attributes that distinguish UMaine as an educational leader in the state. Among the attributes noted:

▼ The University of Maine was founded in 1865 as the state's land grant university and sea grant college, "providing rigorous education at both graduate and undergraduate levels."

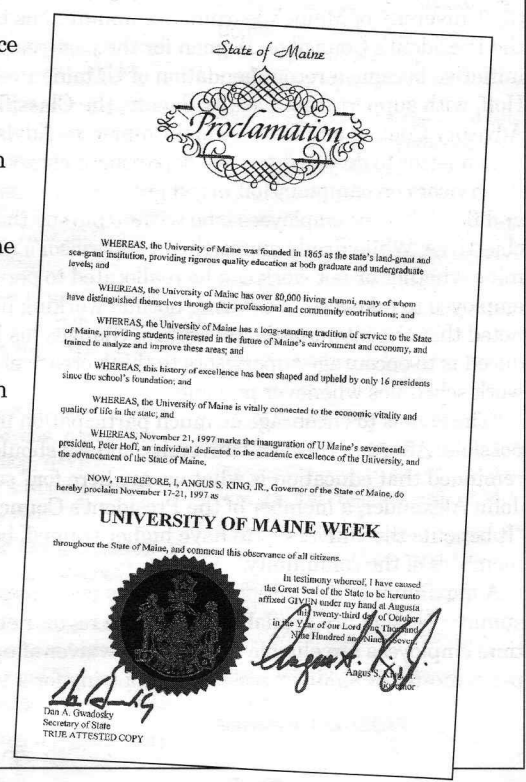
▼ UMaine has more than 80,000 living alumni, "many of whom have distinguished themselves through their professional and community contributions."

▼ The University has "a long-standing tradition of service to the state, providing students interested in the future of Maine's environment and economy, and trained to analyze and improve these areas."

▼ The University's "history of excellence has been shaped and upheld by only 16 presidents since the school's foundation."

▼ The institution is "vitality connected to the economic vitality and quality of life in the state."

For more Inaugural Convocation stories, see pages 8-9.



Future Campus Capital Planning Under Way

In recent weeks, colleges and units across campus have been identifying and prioritizing their projected capital needs for the next five years as a means of updating the Campus Capital Plan. UMaine's capital wish-list of most-needed new construction, renovation and infrastructure projects, and those of other campuses in the University of Maine System, will be submitted to the Chancellor's Office by year's end for use as background and justification of future expenditures, and to meet legislative requests for information.

Input by administrative areas will be compiled and reviewed by the University Facilities and Campus Planning Committee, with recommendations forwarded to UMaine President Peter S. Hoff by Dec. 10. The deadline for submitting the Campus Capital Plan to the Chancellor's Office is Dec. 31.

"Through the years, the Capital Plan has proved to be a pretty successful guide for improvements on campus," according to Anita Wihry, chair of the Facilities and Campus Planning Committee. "Looking back at capital priorities in the Plan, we also see how much on the list has been accomplished. In future planning, we are guided by earlier efforts and issues raised in past capital plans. Now we need to step forward to look at needs yet to be addressed."

The last Campus Capital Plan for the University of Maine was completed in October 1995. Since

1992, the University Facilities and Campus Planning Committee has compiled input from the campus community to develop capital plans, as requested by the Chancellor's Office. The University's Master Plan incorporated the Capital Plan, and also addressed non-capital issues (i.e. lighting, landscaping, signage, etc.) related to development of the campus.

The top priorities of the Campus Capital Plan and their depositions since 1995 follow. Except for a few projects, the capital improvements are largely funded by private donations, extramural grants and, in the case of the Union, student fees.

▼ New Buildings, listed in order of priority – Art Department and Art Museum Building, now in the
continued on page 19

The last issue of *Maine Perspective* this semester is
Dec. 1 (deadline Nov. 21).

In Perspective

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

Educational Opportunities for Employees Advocated

Greater advocacy for educational opportunities for employees in the University of Maine's learning community has been a focus of the President's Council on Women for the past year. This fall, the initiative became a recommendation of UMaine President Peter S. Hoff, with support from Faculty Senate, the Classified Employees Advisory Council and Professional Employees Advisory Council.

In a letter to deans, directors, department chairs and other supervisors on campus, Hoff urged greater managerial support and flexibility for employees who wish to pursue their educational objectives. While firmly supporting a supervisor's right to determine whether or not work can be reallocated to permit an employee to take a course during normal working hours, Hoff noted that the intent of the procedural changes his letter introduced is to encourage supervisors to think creatively about flexible work schedules whenever possible.

"The goal is to encourage as much participation in education as possible. After all, this is a University and we shouldn't have to be reminded that education is what we are here for," says Provost John Alexander, a member of the President's Council on Women. "It benefits the University to have higher trained, better educated members of the community."

A maximum of two tuition-free courses per semester or summer session are available to full-time regular employees. Part-time employees are eligible for a tuition waiver of up to one course per semester or summer session. In applying for a tuition waiver,

employees must have the approval of their supervisors.

Under the new procedures developed in response to recommendations received from the Council on Women, Faculty Senate, CEAC and PEAC, tuition waiver applications turned down by supervisors will be reviewed by the Office of Human Resources to determine if any other alternatives exist to facilitate the employees' academic aspirations.

"What we have heard about through the years are some supervisors who don't grant permission under any circumstances for employees to take classes," says Sharon Jackiw, former chair of the President's Council on Women whose leadership last year spearheaded the initiative on campus. "In other circumstances, supervisors granted permission only if the courses being pursued by the employees were immediately helpful to their job, or if the classes were taken after work hours."

"Up until now, there was no administrative fix on how such denials happened, or what could be done."

The University's mission is to support the educational aspirations of Maine citizens, says Jackiw. "It is a substantial benefit to attract skilled and ambitious workers who are interested in ongoing professional development. It encourages good relations within the immediate community, and has a positive impact on workplace satisfaction and morale. It is hard to see any drawbacks."

Spring semester registration is now under way. ▲

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Research Team Gaining World Renown for Aquatic Fungus Work

Recent events are bringing Joyce Longcore, assistant research professor, and Marilyn Mollicone, a Ph.D. candidate in biological sciences, a little respect. Their work on aquatic fungi may even provide one of the keys to a worldwide riddle – the loss of frogs from habitats as diverse as the Costa Rican rainforest and the National Zoo in Washington DC.

The fungus-frog connection has yet to be conclusively shown. Details are still being developed and reviewed by colleagues at other institutions. Most recently, Longcore was invited to present findings to a select international meeting of biologists at the University of Illinois last month. In addition to their science, one of the participants' chief concerns is maintaining the integrity of the scientific process in the face of intense media interest.

The stories behind that trip are witness to a life-long dedication to science. Between their student days and their present collaboration, Longcore and Mollicone spent many years raising children and managing households. In the 1980s, each took a different path to a University of Maine graduate degree and rekindled the deep satisfaction they receive from discovering beauty through careful observation and meticulous technique. Like many scientists, they have struggled with few resources and credit the generosity of colleagues for inspiration, equipment and even space to work.

Mollicone grew up in Bethel, graduated from Gould Academy and attended UMaine in the late 1940s. She received her bachelor's degree from the Department of Botany and Entomology in 1950. Harry Truman was president, and Deering Hall had just opened its doors.

After graduation, she married, moved to Augusta and began raising a family. However, she didn't retreat from science. As a teacher, naturalist and director of the Augusta Nature Camp, she

shared her knowledge with children and made sure that they could follow their inclinations to explore the natural world.

She credits her membership in a statewide professional group, the Josselyn Botanical Society, with keeping her in contact with other scientists. "The Society is an organization of amateur and professional botanists who meet once a year to study the flora of Maine. I've been a member ever since I was an undergraduate, when Dr. Steinmetz was president. Professors Fay Hyland and Charles Richards were also presidents and today, Christopher Campbell (UMaine professor of plant systematics) is vice-president."

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Maine Perspective

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UNIVERSITY OF
MAINE

UMaine Calendar

NOV. 19 – DEC. 3

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

19 Wednesday

"Komi Republic, Russian Federation," by Kyle Parker, part of the International Awareness Brown Bag Lunch Series, 12:10-1:30 p.m., Nov. 19, Totman Lounge, Union. x2905.

"'Were I a Man, I'd Hang My Head in Shame': Southern Women, Social Science and the Tragedy of Lynching," by Caroline Cortina, Department of Social Sciences, University of Maine - Farmington, a History Department Symposium, 3 p.m., Nov. 19, Thomson Honors Center. x1908.

Faculty Senate Meeting, 3 p.m., Nov. 19, Dexter Lounge. x1167.

"The Impact of Rachel Carson," featuring the 1963 video, *The Silent Spring of Rachel Carson*, and a faculty panel with Eleanor Groden, Roger King, Raymond O'Connor and Sharon Tisher, moderated by Howard Segal, part of "Silent Spring at 35: Reassessing the Environmental Movement," offered by the English Department, 3-5:30 p.m., Nov. 19, Bangor Lounge, Union. Will be followed by dinner at Hannibal Hamlin House, 5:45-7:30 p.m. x3818.

"Is Marriage Good or Bad for You? Controversies About What Students Are Taught," a panel discussion moderated by Sandy Gardner with Denise Baird, Marc Baranowski, Susan Greenwood, Stephen Marks and Robert Milardo, focusing on the controversial Institute for American Values report by Norval Glenn, University of Texas professor of sociology: "Closed Hearts, Closed Minds: The Textbook Story of Marriage," a Department of Sociology Colloquium, 3:15 p.m., Nov. 19, Peabody Lounge, Union. x2380.

"Maine's Inspirational Gardens," by Therese Mattor, landscape architecture archivist, The Ohlmstead Alliance, part of the Landscape Horticulture Lecture Series, 5:30 p.m., Nov. 19, 113 Deering Hall.

A Sense of Wonder, by actress Kaiulani Lee in a one-woman play on the life and works of Rachel Carson, part of "Silent Spring at 35: Reassessing the Environmental Movement," offered by the English Department, 8 p.m., Nov. 19, Hauck Auditorium. x3818.

20 Thursday

Basic HTML, a Fogler Library Web Training Workshop, 9 a.m., Nov. 20, Fogler Computer Classroom. Preregistration/fee. x1675.

21st Annual Great American Smoke Out Presentations, by Dennis Kingman on second-hand smoke and UMaine

regulations; Robert Dana on smoking prevalence among youth; and Ken Nadeau on options for smoking cessation, offered by the Center for Students and Community Life and the Indoor Air Quality Committee, noon, Nov. 20, FFA Room, Union. x4108.

"Can Business Go Green?" featuring Roger King, Chris Campbell, Stewart Smith and Sharon Tisher, part of the Socialist and Marxist Studies Luncheon Series and the Class Book Forum, 12:30 p.m., Nov. 20, Bangor Lounge, Union. x3861.

History Department Junior English Proficiency Exam, 3:10 p.m., Nov. 20, 237 North Stevens Hall. Sign up in 255 Stevens Hall.

Reception for Classified and Professional Employees, part of the Inaugural Convocation, 4-6 p.m., Nov. 20, President's House, hosted by President and Mrs. Hoff.

Reading by Martha Freeman, editor of *Always Rachel*, letters of Rachel Carson and Dorothy Freeman, part of "Silent Spring at 35: Reassessing the Environmental Movement," offered by the English Department, 4 p.m., Nov. 20, Sutton Lounge, Union. x3818.

Advanced Searching, a Fogler Library Internet workshop, 6-8 p.m., Nov. 20, Fogler Computer Classroom. Preregistration. x1675.

University of Maine Symphonic Band and Old Town High School Wind Ensemble in Concert, led by Curvin Farnham and Old Town School System Director of Music Jeffrey Priest, part of the School of Performing Arts season and the Inaugural Convocation, 7:30 p.m., Nov. 20, Hutchins Concert Hall, Maine Center for the Arts.

Student-sponsored Festivity with Music, part of the Inaugural Convocation, 8:30 p.m.-midnight, Nov. 20, Lengyel Hall.

Thursday Night at the Bear's Den featuring Amateur Night, offered by the Union Board, 9 p.m., Nov. 20, Union. x1734.

21 Friday

Breakfast for the Community, featuring music by Orono High School Band and Chorus, part of the Inaugural Convocation, 7:30-9 a.m., Nov. 21, Damn Yankee.

Inaugural Convocation Ceremony, 10 a.m., Nov. 21, Hutchins Concert Hall, Maine Center for the Arts.

"The Social Implications of an Ecological Approach to Fisheries Management," by Jim Wilson, part of the School of Marine Sciences Seminar Series, 11 a.m., Nov. 21, 220 Libby Hall. x4381.

Inaugural Convocation Reception, noon, Nov. 21, Maine Center for the Arts Lobby.

Performance by the UMaine Jazz Combo, part of the Jazz TGIF series, offered by the Union Board, 12:15 p.m., Nov. 21, Damn Yankee.

Panel Discussion on the Land Grant University and Its Significance for the 21st Century, part of the Inaugural Convocation, 2:30-4:30 p.m., Nov. 21, Minsky Recital Hall.

"Demography and Conservation of Sea Ducks," by Ian Goudie, Harlequin Conservation Society, Canada, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., Nov. 21, 102 Murray Hall. x2558.

"High Energy: Physicist Melissa Franklin," by Susan McKay, part of the Physics Colloquium Series, 3:10 p.m., Nov. 21, 140 Bennett Hall. x3043.

Animation Film Series: Legend of Crystania: The Movie, and Magic Knights Rayearth, episodes 5-8, 6:30 p.m. and 9 p.m., Nov. 21, 100 Corbett Business Building. x1734.

Men's Ice Hockey: UMaine vs. Boston College, 7 p.m., Nov. 21. Admission fee. xBEAR.

22 Saturday

Self-rescue for Rock Climbers – Basic Course, offered by Maine Bound, Nov. 22. Fee. Register by Nov. 17. x1794.

Discovery Day - Archaeology: Finding the Past, a Hudson Museum adult/child workshop in the "Just for Kids" program, 10 a.m., Nov. 22, Maine Center for the Arts. Registration fee. x1901.

Swimming: UMaine vs. Northeastern, 11 a.m., Nov. 22. xBEAR.

Movie: Addicted to Love, 6:30 p.m. and 9:15 p.m., Nov. 22, 100 Corbett Business Building. Admission fee. x1734.

Men's Ice Hockey: UMaine vs. Boston College, 7 p.m., Nov. 22. Admission fee. xBEAR.

Collegiate Chorale/Athena Consort Concert, led by Chorale Director Christopher Peterson and Consort director Francis Vogt, part of the School of Performing Arts season, 7:30 p.m., Nov. 22, Minsky Hall. Admission fee. x1755.

23 Sunday

Self-rescue for Rock Climbers – Advanced Course, offered by Maine Bound, Nov. 23. Fee. Register by Nov. 17. x1794.

University of Maine Singers'

Autumn Concert, directed by Dennis Cox, 2 p.m., Nov. 23, Minsky Hall. Admission fee. x1755.

Women's Basketball: Dead River

Company Shoot-out, UMaine vs. Northeastern, 2 p.m., Nov. 23. Portland Civic Center. Admission fee. xBEAR.

The Legacy of Art Blakey:

Performance by the Jazz Messengers, part of the Maine

Center for the Arts performance season, 3 p.m., Nov. 23, Hutchins Concert Hall. Admission fee. x1755.

24 Monday

Excel, Charting, an IT Windows Workshop, 10 a.m., Nov. 24, 111 Corbett Business Building. Preregistration/fee. x1638.

"Biodiversity and the North Maine

Woods: What's All the Fuss," by William Krohn, part of the Department of Wildlife Ecology Fall Seminar Series, noon, Nov. 24, 204 Nutting Hall. x2869.

"Residential Lawn Care,"

by Thomas Rioux, a Landscape Horticulture Senior Seminar, 2 p.m., Nov. 24, Lown Rooms, Union.

Ongoing Events

Academic Activities/Events

"Silent Spring at 35: Reassessing the Environmental Movement," Nov. 18-20.

"The University of Maine: Redefining the Land Grant University," the Inaugural Convocation of Dr. Peter Hoff, Nov. 20-21.

Entertainment

Christmas at the Page Farm and Home Museum, featuring wreath making with Claire Ackroyd and music by Alice Mummé, Dec. 2-3, Page Museum. x4100.

University of Maine Opera Workshop – Winter, directed by Nancy Ogle, 7:30 p.m., Dec. 5-6, Minsky Hall. Admission fee. x1755.

The Nutcracker, featuring the Bangor Symphony Orchestra and Robinson Ballet, Dec. 6-7, Hutchins Concert Hall, Maine Center for the Arts. Admission fee. 942-5555.

The Cherry Orchard, a Maine Masque production, directed by Christopher Luthin, part of the School of Performing Arts season, 7:30 p.m., Dec. 5-6 and Dec. 12-13; 2 p.m., Dec. 7 and Dec. 14; high school matinee noon, Dec. 11, Hauck Auditorium. Admission fee. x1755.

Exhibits/Demonstrations/Tours

Charles Garabedian: Cultural Escape, a Museum of Art exhibit, through Nov. 22, 1938 Gallery, Carnegie Hall. x3255.

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

Department of Art Faculty Exhibition, a Museum of Art exhibit, Dec. 5-Jan. 21, Carnegie Hall galleries. x3255.

Maine Wilderness Transformed: Timber, Sporting, and Exploration of the Moosehead Lake Region, a traveling exhibit from the University of Southern Maine Osher Map Library and Smith Center for Cartographic Education, through Dec. 15, Page Farm and Home Museum. x4100.

Empires Emerging: Collecting the Peruvian Past, a Hudson Museum exhibit, through April 26, Maine Center for the Arts. x1901.

Maine Forest and Logging Museum – Leonard's Mills, open daily 10 a.m.-dark, Bradley. x2871.

University of Maine Museum of Art open Monday-Saturday, 9 a.m.-4:30 p.m. x3255.

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

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

Meetings of Groups/Organizations

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

International Folk Dancing, every Sunday, 7-9 p.m., beginners welcome, no partner needed, FFA Room, Union. 827-2324.

Nontraditional Student/Commuter Social Hour, every Tuesday, 11:30 a.m., Commuter Lounge, Union. x1734.

Student Women's Association, 6-7:30 p.m., every Tuesday; 3:30-5 p.m., every Wednesday, Women's Resource Center, Fernald Hall. x1508.

Maine Peace Action Committee Meeting, every Wednesday, 4 p.m., Weisz Room, Maples. x3860.

Student Alumni Association, (students helping student past, present and future), meets every Wednesday, 5:30 p.m., Crossland Alumni Center.

Acoustic Jam, 6 p.m., every Wednesday, Lown Room, Union.

Networking Women at UMaine, noon-1 p.m., every other Friday (Nov. 14 and Dec. 12), Women's Resource Center, Fernald Hall. x1508.

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

Newman Center: Sunday masses, 10:30 a.m. and 6:15 p.m.; weekday liturgies, 4:45 p.m., with communion service Monday-Tuesday, mass Wednesday-Thursday.

Miscellaneous

Introduction to Mountaineering, offered by Maine Bound, Dec. 6-7, Mount Washington. Fee. Register by Dec. 1. x1794.

Early Season Snow and Ice Climbing, offered by Maine Bound, Dec. 13-14, Mount Washington. Fee. Register by Dec. 8. x1794.

25 Tuesday

Excel Intermediate, an IT Windows Workshop, 9:30-11:30 a.m., Nov. 25, 111 Corbett Business Building. Preregistration/fee. x1638.

26 Wednesday

Thanksgiving Break Begins Nov. 26.

28 Friday

Women's Basketball: Dead River

Company Classic, Wisconsin vs. James Madison and Maine vs. SW Louisiana, 5 p.m. and 7 p.m. respectively, Nov. 28. Admission fee. xBEAR.

29 Saturday

Women's Basketball: Dead River

Company Classic, consolation and championship games, 5 p.m. and 7 p.m. respectively, Nov. 29. Admission fee. xBEAR.

1 Monday

Classes Resume Dec. 1.

PowerPoint, Intermediate, an IT Windows Workshop, 10 a.m., Dec. 1, 111 Corbett Business Building. Preregistration/fee. x1638.

"The Forest Society of Maine – A New Option for Conserving Forest Lands in Maine," by Alan Hutchinson, Forest Society of Maine, part of the Department of Wildlife Ecology Fall Seminar Series, noon, Dec. 1, 204 Nutting Hall. x2869.

Landscape Horticulture Senior Seminar, by Daniel Lisson, 2 p.m., Dec. 1, Lown Rooms, Union.

2 Tuesday

PhotoShop III, a Fogler Library Multimedia Workshop, 9 a.m., Dec. 2, Fogler Computer Classroom. Preregistration/fee. x1675.

"Diffusion in Zeolites," by Doug Ruthven, a Department of Chemistry seminar, 11 a.m., Dec. 2, 316 Aubert Hall. x1178.

"A Community Approach to Heart Health," by Dr. N. Burgess Record, part of the Healthspeak Luncheon Series, 12:15 p.m., Dec. 2, Bangor Lounges. x4194.

Student/Faculty Chamber Music Concert – Winter, directed by Diane Roscetti and Ginger Yang Hwalek, part of the School of Performing Arts season, 7:30 p.m., Dec. 2, Minsky Hall. Admission fee. x1755.

Men's Basketball: UMaine vs. Hartford, 7:30 p.m., Dec. 2. Admission fee. xBEAR.

3 Wednesday

Generic Hazard Communication Training Sessions, offered by the Department of Environmental Health and Safety, 9-10 a.m., Dec. 3, 100 Neville Hall. x4055.

"Venezuela," by Georges Kabche, part of the International Awareness Brown Bag Lunch Series, 12:10-1:30 p.m., Dec. 3, Totman Lounge, Union. x2905.

Oral Exams

"The Nature and Perceived Value of Informal Teacher Talk," by Patricia Frech, candidate for Ed.D., 8:30 a.m., Nov. 17, 159 Shibles Hall.

"Cellulolytic Activity in the Shipworm *Lyrodus pedicellatus* and Its Symbiotic Bacterium *Teredinibacter tumerae*," by Pei-ning Xu, candidate for master's degree in biochemistry, 9 a.m., Nov. 19, 124 Hitchner Hall.

"To Speak from the Burnings of My Own Heart": Martin Luther King, Jr.'s Opposition to the Vietnam War, 1965-1968," by Gary Atwood, candidate for master's degree in history, 1 p.m., Nov. 21, 175 Stevens Hall.

"Evaluation of a 5-year-old Hybrid Larch Progeny TEST in Johnson Mountain Township, Maine," by Brian Baltunis, candidate for master's degree in forestry, 10 a.m., Nov. 24, 204 Nutting Hall.

"Evaluation of the Effects of Enzyme Feed Additives on Animal Growth and Lactation," by Shuyun Zheng, candidate for Ph.D. in food science and human nutrition, 1 p.m., Nov. 24, 201 Rogers Hall.

"Effects of Liquid Dairy Manure Application Timing on Corn Yield Parameters and Soil Solution Nitrate Concentrations," by Mark Hutchinson, ecology and environmental science, 1 p.m., Nov. 24, Deering Hall.

"The Effect of Spring and Fall Potato Production on Maine Potato Prices: A Within-season Price Forecasting and Simulation Model for Maine Tablestock Potatoes," by Robert Cote, candidate for master's degree in resource economics and policy (non-thesis), 1:30 p.m., Nov. 24, Conference Room, Winslow Hall.

"Kinetic and Mechanistic Examination of the Photodecomposition of the Carbamate Pesticide Carbofuran and the Effect of Dissolved Organic Matter on Reaction Rate," by John Bachman, candidate for master's degree in chemistry, 2:15 p.m., Nov. 24, 316 Aubert Hall.

"Performance of Tire Chips and Tire Chip/Soil Mixtures as Subgrade Insulation for Paved Roads," by Brian Lawrence, civil engineering, 11 a.m., Nov. 25, 310 Boardman Hall.

"Deglaciation of Wells Embayment, Maine: Interpretation from Seismic and Side-scan Sonar Data," by Gregory Miller, candidate for master's degree, 11 a.m., Dec. 1, 100 Bryand Global Sciences Center.

"Part I Reaction of a Low Valent Iron Complex with a Chelating Organic Azide. Part II Electrochemistry of a Series of Gold-dppe Complexes," by Pamela Runnels, candidate for Ph.D. in chemistry, 1:30 p.m., Dec. 1, 280 Aubert Hall.

"A Novel Piezoelectric Torque Sensor," by Jeremy Hammond, candidate for master's degree in engineering physics, 2:10 p.m., Dec. 1, 152 Barrows Hall.

"Organization and Presentation of Metadata for Spatial Information in a Digital Library," by Vyjayanti Sharma, candidate for master's degree in spatial information science and engineering, 2 p.m., Dec. 2, 336 Boardman Hall.

"The Historical Archaeology of the Norridgewock Mission," by Pamela Crane, candidate for master's degree in history, 3 p.m., Dec. 2, Stewart Room, Stevens Hall.

Center Stage

School of Performing Arts

University Singers In Concert

UMaine's choral ambassadors, the University Singers, will present a fall concert Sunday, Nov. 23, 2 p.m., in Minsky Recital Hall.

The select ensemble of 65 voices is made up of representatives from campuswide academic disciplines; more than 40 percent are from areas other than music. University Singers is under the direction of Dennis Cox, conductor, and Sterling Sheppard, assistant conductor.

The first half of the concert program will feature sacred music. Highlights include *Ascendit Deus* by Jacobus Gallus; *Te Deum* by Gustav Holst; and *Rejoice in the Lamb* by Benjamin Britten. Secular works make up the second half, including the traditional *Hava Nagilah*, arranged by Norman Luboff, and *Send in the Clowns* from the Broadway musical *A Little Night Music* by Stephen Sondheim. Instrumentalists will join the Singers for the Sondheim arrangement: Alison Moore, piano; Louis Hall, oboe; Kirk Taylor, glockenspiel; and Aaron Hermes, bass.

The Maine Steiners and University Junction will offer vocal entertainment during intermission.

The Singers will have the distinct honor of performing Mozart's *Coronation Mass in C Major* at Carnegie Hall this coming May when Cox celebrates his 20th year as the Ensemble's conductor. University Singers, past and present, are invited to join the performance, which will be accompanied by a professional orchestra and four soloists. The Ensemble regularly performs with the University Oratorio Society and the Bangor Symphony Orchestra. The group tours throughout the Northeast each spring; in 1996 it traveled to Europe, singing in cathedrals in Austria, Switzerland, Germany, Italy, and the Czech Republic.

UMaine's Collegiate Chorale and Athena Consort in Performance

The 100-voice Collegiate Chorale, directed by Chris Peterson, will present a concert on Saturday, Nov. 22, 7:30 p.m., Minsky Recital Hall. Included on the program will be works by Handel, Rutter, Biery, Mendoza and others. The Chorale will be joined in performance by the Athena Consort, directed by Francis Vogt.

Look Who's On Campus

The Inaugural Convocation events Friday, Nov. 21, will be highlighted by the participation of two nationally recognized leaders in higher education. **Robert O'Neil**, who served as president of the University of Virginia and as president of the statewide University of Wisconsin, will be the presenter in the Inaugural Convocation Ceremony, and will take part in the afternoon panel discussion on the land grant university and its significance for the 21st century. O'Neil is the founding director of the Thomas Jefferson Center for the Protection of Free Expression. He chaired the National Association of State Universities and Land Grant Colleges, and served on the executive committee of the Association of American Universities. O'Neil is the author of several books, including *Free Speech: Responsible Communication Under Law*, *The Rights of Public Employees and Classrooms in the Crossfire*.

Also participating in the panel discussion is **Alan Marcus**, professor of history at Iowa State University, where he has taught since 1980. Marcus is director of the Center for Historical Studies of Technology and Science. An authority on the history of land grant universities, Marcus is the author of *Agricultural Science and the Quest for Legitimacy: Farmers, Agricultural Colleges, and Experiment Stations, 1870-1890*. His other books include *Building Western Civilization: From the Advent of Writing to the Age of Steam*, and *Technology in America: A Brief History*, the latter co-authored with UMaine's Howard Segal.

Unlocking the Secrets of Shipwrecks

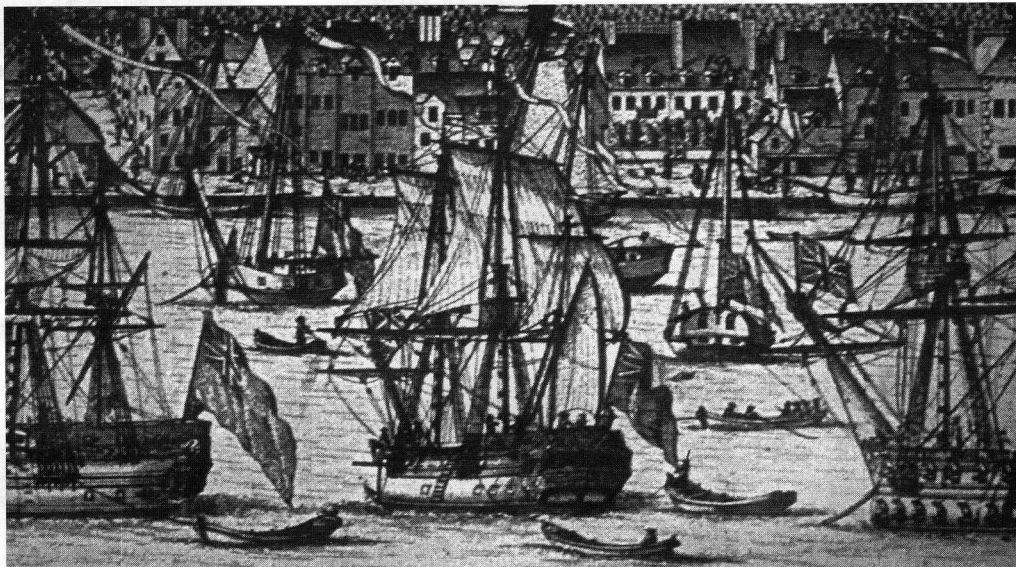


Illustration by William Burgis, circa. 1717, *A View of New York*. A vessel similar to the Ronson ship is front center.

Warren Riess grew up aspiring to be a space physicist. Today, he studies the rocket scientists of the 18th century – the shipbuilders who made the Age of Discovery possible.

As a marine historian/archaeologist, Riess explores and documents shipwrecks from the 1700s off the Maine coast. The treasure he seeks is in the form of clues to age-old mysteries and informational pieces that add to the puzzle of the past.

Through his interdisciplinary work combining economic, military, political, social and technical history, Riess is discovering the people, the mercantile trade and the empires behind the ships.

“The expansion of Western Europe throughout the world occurred during a fascinating period,” says Riess, a University of Maine research associate professor of history headquartered at the Darling Marine Center for the past seven years. “We know merchants were an important economic power in the colonies, allowing the English empire to grow. How did these people, who were few in numbers, and their system of vessels go out, build empires and keep them going 3,000 miles away across the Atlantic?”

“For example, we don’t know how they designed and built their ships. Their construction techniques were kept secret by the shipwrights, who were the rocket scientists of the day – the best technical people their society produced. Nothing was written down but passed on by word of mouth to the best apprentices and journeymen. It is a big detective story.

“In Maine, maritime history is such an important part of the state’s heritage,” says Riess. “It is the history not of sailboats coming and going but of people interacting – trading, fishing, building boats. It is an important part of Maine history that intersects all the chapters.”

While shipwrecks hold tangible, romantic links to swashbuckling days of yore that are so popular with the public, such exploration constitutes only a fraction of Riess’ research. In addition to studying shipwrecks on land and below the sea, Riess spends much of his time combing archival records and books in libraries and museums throughout the United States, Canada and Britain. He adds to the historic record through traditional fact-finding in oral histories, diaries, news accounts of the past and local seafaring lore, combined with modern technology such as remote sensing, shipboard computers and Internet communication.

Riess has been exploring and documenting Maine’s shipwrecks for almost a quarter-century. His research interests focus on the

history and archaeology of the early-American merchant trade and navy, including analysis of American colonial port records of the merchant trade. Because of his archaeological expertise in the design and construction of early vessels, and electronic search and survey, Riess has been tapped to lead 29 research projects throughout the Northeast in the last 15 years. His work, while done in the name of science, continually captures the imaginations of the public.

“People are interested in shipwrecks because they are not mundane and have to do with disasters,” says Riess. “There is something about the emotion that one can fantasize about. If you add to that some people’s desire to get rich quick – the possibility of treasure – there is even more interest.

“It is rewarding that people are interested in shipwrecks because it’s always nice to be noticed. But often people think this is all about scuba diving to wrecks, and that is only about 5 percent of what I do. But when media cover shipwrecks, they don’t want video of someone reading books or typing data into a computer.”

It is that very romanticized view of shipwrecks and underwater archaeology that draws many University of Maine students in to work with Riess in his research. It doesn’t take long before they understand the serious science behind the public perception of such work.

“I don’t discourage love of shipwrecks in students,” says Riess. “That’s the bait to get them in. Then I explain that there are vastly more interesting aspects – the discoveries of historical information that contribute to putting a puzzle together or provide clues to solving a greater mystery. If they are just going to be involved in excavating, if that’s all they are interested in, they should find some other profession, and help on shipwreck excavations on their vacations.

“Working on a shipwreck has to do with collecting data. And it is the tip of the iceberg. The real fun is in the analysis and interpretation of the information.”

A child of the ‘50s and ‘60s raised in eastern Connecticut, Riess spent two years as a physics major at Worcester Polytechnic Institute before finding his real interest – “studying people, trying to figure out why people make certain decisions.” His coursework turned to international relations, and a summer job took him to Turkey, where his high-sea adventures began.

Riess and a college friend read a *National Geographic* article about three archaeologists excavating a Roman merchant ship

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News at a Glance

NEW PSYCHOLOGIST JOINS EAP

Clinical psychologist Nancy Roberts has joined the staff of the Employee Assistance Program (EAP), and will be serving the University community with extended hours.

Roberts moved to Maine three years ago to take a full-time position as a staff psychologist with Bangor Mental Health Institute. At BMHI and now at EAP, Roberts brings her extensive educational and professional training to bear. From Rutgers University, she received a Ph.D. in social psychology, with an emphasis on social cognition and group dynamics. Roberts taught psychology at St. Thomas Aquinas College in New York for four years before returning to Rutgers for post-doctoral work in social psychology. She has also taught at Rutgers and at Fairleigh Dickinson University.

Her post-doctoral research, supported by the U.S. Environmental Protection Agency and New Jersey Department of Environmental Protection, focused on the reasons citizens do not heed warnings about environmental hazards. Roberts' Psy.D. in clinical psychology from Rutgers was based on research in short-term treatment models, with particular emphasis on issues of cultural diversity.

In addition to her experience working with diverse populations, Roberts has training in a student counseling center and practical experience working with faculty and staff in a university clinic.

At EAP, Roberts works 2-6 p.m., every Tuesday; 8:30 a.m.-5 p.m., every Thursday. The extended hours on Tuesday accommodate those University employees seeking after-work appointments.

A goal of EAP, and Roberts' specialty, is short-term care to get a person back on track as quickly and as efficiently as possible. "People often think they should not seek counseling unless they have a disabling problem," says Roberts. "It is a misconception that one has to be seriously ill or disturbed to seek some help. The truth is, if someone is feeling the effects of stress – in family, work or personally – that is interfering with life, he or she should think about EAP. We can provide services here or refer a person to other serves, as needed. The best thing is to come in and talk."

All EAP services are strictly confidential.

NEW MANAGER FOR HUDSON MUSEUM SHOP

A new manager has been hired for the Hudson Museum Shop. Kathleen Maseychik of Jackson joined the University community last month. She is a former assistant manager of the Farnsworth Museum Shop in Rockland.

With the new manager in place, the Hudson Museum Shop is offering regular hours for the first time since spring: 10 a.m.-4 p.m., Tuesday-Friday; noon-4 p.m., weekends. The shop offers a variety of Native American crafts and jewelry, as well as items from South America. The Shop also has books about the cultures represented in the Museum.

4-H VIDEO HIGHLIGHTS YOUTH INVOLVEMENT

Youth can make a difference in their communities, and a group of 4-Hers has created its own how-to video demonstrating the importance and fun of getting involved. Members of the Penobscot Valley Home Schoolers 4-H Teen Group helped produce the 30-second spot this summer with assistance of University of Maine Department of Public Affairs television producer Kim Mitchell. The video project was sponsored by Cooperative Extension.

"These kids came up with the ideas and wrote the script. They did the acting and arranged for the filming. It was their project from beginning to end," says Beth Parks, 4-H agent for the Extension's Penobscot County office in Bangor.

The spot focuses on youth doing community service projects. Examples include fixing a playground, working in a soup kitchen and washing a fire truck. It is being distributed to area media in coordination with a national 4-H campaign by the Ad Council, "Are You Into It? A Volunteer Program for Kids Who Care," to raise awareness of the value of 4-H programs.

FACILITIES CREATES SAFETY/REGULATORY COMPLIANCE OFFICE

Safety and regulatory compliance are the focus of a new office headed by Scott Wilkerson in Facilities Management.

As safety and regulatory compliance officer, Wilkerson is responsible for researching and identifying state and federal regulations that apply to Facilities Management, monitoring applicable legislation and developing programs to implement the mandates.

Regulatory compliance is involved in such priority projects on campus as lead paint management, recycling, land fill closure, stormwater control, disposal of construction debris and handling of hazardous materials, including asbestos. The responsibilities of Facilities Management range from documenting disposal methodology and complying with Department of Transportation requirements to developing site development and oil spill containment plans for permitting.

"This is a new job in an evolving field of regulatory compliance," according to Anita Wihry, executive director of Facilities Management. "People need to be protected and we need to understand the ever-changing state and federal regulations to ensure compliance."

In addition to regulatory compliance, Wilkerson also has a role of workplace safety advocate in Facilities. He offers the latest safety training and information to Facilities employees, and coordinates monthly meetings between managers and workers.

In addition to stressing the need for greater awareness and training about workplace safety, Facilities Management has undertaken programs that allow its full-time employees to purchase work-related footwear at a 20 percent discount, payable through payroll deduction. Prescription safety glasses will be added to the program in the upcoming months.

Facilities is one of the largest employers on campus. Its more than 180 employees face on-the-job safety challenges daily based on the nature of their work. Issues range from proper lifting techniques to safety on construction sites.

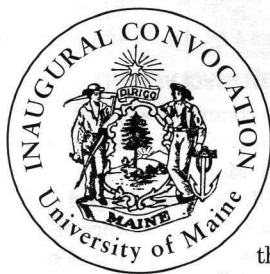
Directory Changes

Upward Bound, 226 Chadbourne Hall, new fax number: 581-2710.

Jonas Prida, Instructor, Department of English, 103 Neville Hall. Telephone: 581-3800. Home: 827-9259. E-mail: jonas.prida@voyager.umeres.maine.edu



**Combined Charitable Appeal
for University Employees
total to date:
\$10,500**



The Land Grant Institution in the 21st Century the Focus of Inaugural Convocation Panel Discussion

The land grant university and its significance for the 21st century will be the focus of a panel discussion that will cap two days of events planned around the Inaugural Convocation of the University of Maine's 17th president, Peter S. Hoff.

"Redefining the Land Grant University" is the theme of the Inaugural Convocation and will be the focus of the panel discussion that convenes at 2:30 p.m., Friday, Nov. 21, Minsky Recital Hall. The panel discussion will feature short presentations by discussants and a question-and-answer session with the audience.

The panel discussion will be an effort within two hours to "raise questions about land grant institutions that have been raised in a more piecemeal fashion in recent years but have not been addressed as part of a larger whole," says Howard Segal, Bird and Bird Professor of History, who heads the program subcommittee of the Inaugural Convocation Committee.

"The hope is that the panel and the Inaugural Address are the beginning of serious, sustained discussion as to where the University of Maine is headed. The panel offers an intellectual focus on the various initiatives occurring on and off campus, not only teaching, research and service, but also enrollment and retention, student/faculty/staff recruitment, diversity, fund-raising, administration, and athletics. At first glance, such areas seem unrelated, but they are all part of what the University stands for in the state and in the nation. The panel will be drawing connections."

The panel, moderated by Segal, will include participants who have extensive experience in land grant institutions. They include Robert O'Neil, president of the University of Virginia (1985-90), president of the University of Wisconsin System (1980-85), and chair of the Board of Directors of the National Association of State Universities and Land Grant Colleges (1989); Alan Marcus,

professor of history and director of the Center for Historical Studies of Technology and Science at Iowa State University, who is a leading authority on the history of land grant institutions; Peter Hoff, a graduate of the University of Wisconsin and a top administrator at several university systems with land grant components prior to becoming UMaine's president Aug. 1; and Ryan Carnegie, a doctoral student in the UMaine School of Marine Sciences who received his master's degree in marine sciences from the College of William and Mary in Virginia.

The panel discussion will offer "an intense focus of what we are about today versus when we were founded," says Segal. "Land grant institutions came into existence after the Civil War with an emphasis on agricultural science, applied knowledge and public service. Is that basically what we still stand for or should we be seen in a different perspective? We need to explore the connections between the University's successes and problems and its identity as a land grant."

"This is a discussion for anyone interested in the future of the University of Maine and land grants overall," says Segal.

Among the overarching questions to be addressed in the panel:

- ▼ How has the mission of land grant institutions changed since their founding?
- ▼ How have land grant institutions distinguished themselves from non-land grants?
- ▼ How have land grant institutions been distinguished from one another in terms not only of size but also of mission and importance to their respective states?
- ▼ What does it mean to be not only a land grant but also a sea grant and a space grant institution?
- ▼ Does it really make a difference any more to be a land grant, or is it more important for the University of Maine to be as good an institution, in general, as it can be, thereby deemphasizing such an identity? ▲

Inaugural Convocation Music Promises to Make Event Memorable

Throughout history, few celebratory and ceremonial milestones occur without music.

The Inaugural Convocation of Peter S. Hoff as the University of Maine's 17th President will be no exception. Providing the *Fanfare and Flourishes* and *Pomp and Circumstance* will be UMaine's Symphonic Band.

"Every ceremony needs the dimension of emotion provided by music," says Farnham, associate professor of music and director of bands. "We hope that we can add to the memories people take away from this event."

As part of the two days of events planned around the Inaugural Convocation, the 60-member Symphonic Band will perform in concert at 7:30 p.m., Thursday, Nov. 20, in Hutchins Concert Hall. The Band will be joined by the Old Town High School Wind Ensemble. The Symphonic Band will provide the music for the Inaugural Convocation Ceremony that begins at 10 a.m., Friday, Nov. 21, Hutchins Concert Hall.

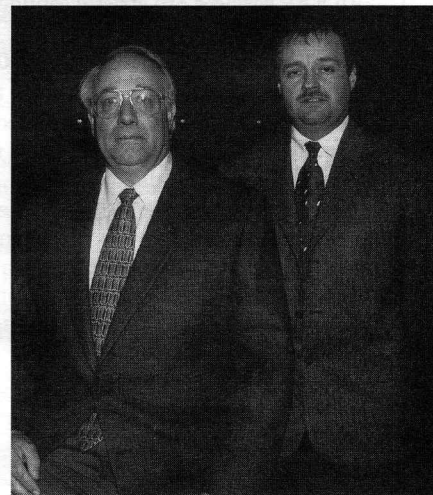
The program for the concert on the eve of Inauguration Day was created to provide students a challenging variety of styles, tempos and textures, and a sense of the history of their musical genre. While band music has its roots in the military, the genre has evolved through the ages to be a artform of largely universal appeal for its ability to touch the intellect and emotion, and to set toes tapping. The concert features several compositions for brass instruments in honor of Hoff, himself an accomplished horn player.

The Symphonic Band, conducted by Farnham, will perform *Heroes Lost and Fallen*, a Vietnam memorial based on a poem by its composer David Gillingham; *The Inferno* section from Robert Smith's work based on Dante's *The Divine Comedy*; and Ralph Vaughan Williams' *Toccata Marziale*.

Also as part of the concert, the Old Town High School Wind Ensemble, conducted by UMaine alumnus

Jeffrey Priest, a former student of Farnham's, will perform Haydn's *Concerto for Trumpet* with UMaine Instructor of Music Josh Whitehouse as soloist. The ensemble, the newest instrumental music group in the Old Town Schools, also will perform *On a Hymn Song* by Lowell Mason, composed by Fred Allen, and *To Dance in the Secret Garden* by Robert Smith.

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Curvin Farnham and Jeff Priest

Behind the Scenes of the Inaugural Convocation

As is true with any major event at the University of Maine, there are countless numbers of people who work behind the scenes to ensure success. The two days of events surrounding the Inauguration of Peter S. Hoff have been made possible by the 26-member Inauguration Convocation committee, chaired by Bruce Wiersma. The committee has been assisted by other members of the University community, who have contributed their expertise to the effort. We highlight five such people here, and acknowledge the commitment, enthusiasm and pride of the many others who dedicate themselves to making University of Maine history through such memorable events.



Scott Burditt

Scott Burditt

The Inauguration Convocation Ceremony will hit a high note with a solo performance of Mozart's *Concert Rondo for Horn* by UMaine Instructor Scott Burditt, in tribute to his colleague in brass, President Peter S. Hoff.

"I'm looking forward to it," says Burditt, who this semester was appointed instructor of horn in the School of Performing Arts. "The (Symphonic) Band sounds great and the horn part is one I've been playing for 20 years. It is part of feeling tied in to the University."

Burditt graduated from the University of Maine in 1978 with a degree in music education. His teaching career took him to schools throughout Maine. He was the band director in Freeport middle school and high school for the past decade before being named band director at Bangor High School last month.

Teaching has afforded a flexible enough schedule for Burditt to maintain an impressive career as a professional artist. He was the only horn player tapped when Johnny Mathis came to Portland, and was one of three horns performing *Peter and the Wolf*, which was narrated by Tony Randall during a Portland fund-raiser. Burditt is the principal horn for the Bangor Symphony Orchestra, and has been a substitute performer with the Portland Symphony for the past 12 years.

The Westbrook native took up piano in the fourth grade. In fifth grade, he added violin, and as a junior high student, Burditt played the cello. When he wanted to join his friends in the band, the band director gave him a choice of the two instruments left on the shelf – a sousaphone and a French horn. It came down to which of the two would be easiest for him to carry.

Burditt fell in love with the horn's sound and its flexibility to be used in a variety of performing opportunities – from brass ensembles and woodwind quintets to bands and orchestras.

His first professional performance was as a high school student playing in a woodwind quintet at a "church gig" for \$7.50. While still in school, he began taking private lessons at the University of New Hampshire. He came to UMaine after meeting and auditioning for Department of Music Chair Bob Godwin.

"It was a tremendous experience," says Burditt, of his years at UMaine. "I could have gone to a larger school but would have had less chance to play. In the 1970s, there were two of us playing horn so we played everything. I don't regret it for a second."

Burditt fondly remembers his cohort of peers, many of whom remain close to this day, and his faculty mentors who are now professional colleagues. "They taught me not to set my sights on a narrow course," says Burditt. "With a broad background, I could then determine what I wanted to do."

Burditt's memories of UMaine include 17 years as an instructor in the School of Performing Art's Maine Summer Youth Music Camps. In addition to teaching French horn, group sectionals and small ensembles, Burditt served as general manager for the camps for almost 10 years.

"Especially because of music camp, in many ways it feels like I never left the University," he says.

Carol Ann Livingstone, Cristin O'Brien and Holly Boyington

This semester, 14 students in a beginning sculpture class undertook the task of creating visual representations of the University of Maine as a land grant institution. Members of the class were asked by the Inaugural Convocation Committee to create a University of Maine medallion that will be presented to President Peter S. Hoff during his Investiture.

When prototypes were completed, the class took a secret vote and selected the designs of three finalists – Carol Ann Livingstone of Winthrop, Cristin O'Brien of Glenburn, and Holly Boyington of East Holden. The three students are now completing final artworks, one of which will be selected by the Inaugural Convocation Committee.

"The focus in this class is working with plaster and wood," says Assistant Professor of Art Cristin Millett who teaches the sculpture class. "This project was challenging because it required

students to work with such materials as wax and metal, and on a much smaller scale.

"The project broadened the experience of the class," she says. "Students learned about working within tight conceptual parameters, and had the opportunity to think about public commission work. The dynamics of this group of students are great; they are supportive of one another and always ready to share solutions. Ultimately, there is prestige in the president wearing the medallion –



Left to right, Carol Ann Livingstone, Cristin O'Brien and Holly Boyington

INAUGURATION CONVOCATION EVENTS

November 20-21

Thursday

- 4-6 p.m. Reception for Classified and Professional employees, hosted by President and Mrs. Hoff, President's House
- 7:30 p.m. UMaine Symphonic Band and Old Town High School Wind Ensemble in concert, Hutchins Concert Hall
- 8:30 p.m. Student-sponsored festivity with music, Lengyel Hall

Friday

- 7:30 a.m. University community breakfast, with music provided by Orono High School Band and Chorus, Damn Yankee
- 10 a.m. Inaugural Convocation Ceremony, Hutchins Concert Hall
- noon Reception for Inaugural Convocation guests and participants
- 2:30 p.m. Panel discussion on the land grant university and its significance of the 21st century, Minsky Recital Hall

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Shipwrecks *continued from page 6*

underwater in Turkey. The pair wrote a letter expressing interest in the project, and on a whim, drove to the University of Pennsylvania to meet the pioneering archaeologists George Bass, Fred van Doorninck and Sam Low.

"We spent a couple hours with them," says Riess. "That same day, the archaeologists received a letter from their mechanic that he couldn't go to Turkey with them. They asked if my friend and I were mechanics. We had worked on our motorcycle and car, and I had taken scuba diving lessons the year before. It was luck, timing, and the ability to join them on short notice."

Riess found the archaeology of the project interesting and the history of the merchant trade most fascinating. "I was intrigued by the mystery of how it all worked, how people made and lost empires. I quickly understood that the trade – the carrying of supplies, people and communications – was really the lifeblood of an empire being built."

Riess finished college and spent the next four years working as a technician at the Darling Center. When researchers from the Maine State Museum and Maine Maritime Academy began the excavation of a Revolutionary War ship, the *Defence*, in Stockton Springs in 1974, Riess spent his summers assisting them.

When Harvard University and the Maine State Museum launched a year-long federally funded project to gather information about shipwrecks off the coast from the Canadian border to Cape Hatteras, Riess was tapped to collect historical information and data. He traveled to archives throughout the U.S. and Canada, and met with the leading experts in maritime history. While the study commissioned by the Bureau of Land Management sought to pinpoint historically sensitive areas to be avoided by gas pipelines and oil exploration, its biggest contribution was in the compilation of the definitive study of shipwrecks in the Northeast – the four-volume *Summary and Analysis of Cultural Resource Information on the Continental Shelf from the Bay of Fundy to Cape Hatteras*.

Riess was enrolled in the graduate program at Texas A&M to study nautical archaeology. His thesis work focused on the history of the *Angel Gabriel*, a merchant ship that annually sailed to Pemaquid, the northern-most English settlement in the New World. Described by Riess as "not your normal wreck," the *Angel Gabriel* was lost in a hurricane in 1635 that struck after the vessel had dropped anchor. It has never been found.

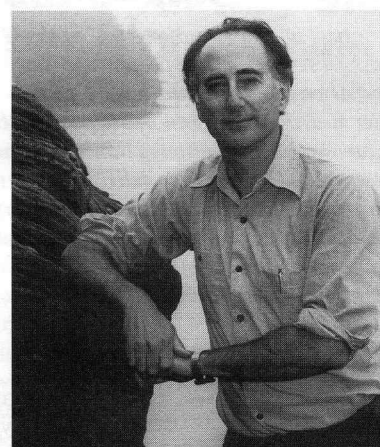
Research took him to archives in England and in the States. But while the historical documentation of the *Angel Gabriel* has been largely recovered, the wreck has not. To this day, Riess and his students keep a watchful eye on Pemaquid Harbor.

While some projects remained unsolved, others have provided important clues to the past. One such pivotal project for Riess was the Ronson ship, excavated in Manhattan in 1982 and dubbed for the landowner, Howard Ronson. Riess' research indicates that the ship may actually be an 18th century merchantman vessel named *Princess Carolina*. The Ronson was the focus of his Ph.D. work in early American history at the University of New Hampshire.

The Ronson ship, the first vessel Riess excavated on land, was located on the site of a future skyscraper – four blocks north of Wall Street. The merchant ship held the key to learning about the design and construction of early merchant vessels.

Built in South Carolina in 1717, the *Princess Carolina* was an example of the cutting-edge shipbuilding technology of the day. It was a hybrid, incorporating some of the best features from Dutch, French and English ships to create a vessel that was more efficient because it could carry more goods and fewer crewmembers, and was less likely to tip. The Ronson offered a plausible explanation for the dramatic increase in the mercantile trade – and the empire-building – that took place in the first decades of the 1700s.

Learning the inner-workings of the merchant trade also has involved researching original merchant records, which were often written in code or shorthand. Over the past two decades, Riess and four other researchers in the U.S. and England have pored over records in an ongoing effort to crack the codes, which include abbreviations and even a unique number system. They communicate their findings via the Internet.



Warren Riess

"It has been a combination of looking at records from various clerks, naval records, family records, historical society documents and newspapers of the day, comparing and following the ships," says Riess. "We can track a ship that leaves London and shows up in New York. In addition, the records indicate what was on board. Often putting the puzzle together concerning one ship opens other records."

Riess and the Maine Historic Preservation Commission have documented more than 800 shipwrecks of vessels 40 feet or larger in Maine waters. In all likelihood, says Riess, there are probably twice that many.

Maine's weather conditions, geography and its nautical nature caused the state to have more wrecks than most per capita, but not by coastline, says Riess. "Many things happened here, but not compared to what happened off-shore in New Jersey and New York. In those areas, there were so many ships in and out, they statistically pile up. Maine has maritime history that includes the early explorers and first settlements, people coming here to fish and get lumber. For that reason, there are some shipwrecks here that are not found in other places. And there are still mysteries."

One such unique event in naval history occurred on the Penobscot River. The Penobscot Expedition of 1779 was the largest naval invasion of the Revolutionary War and, barring Pearl Harbor, the worst defeat in U.S. naval history. When the American volunteer fleet sailed into Penobscot Bay to attack the British at Castine, it was cornered by a British squadron. As the enemy approached, the fleet fled up the Penobscot River where ships were run aground close to shore to allow crews to escape. The vessels were then set on fire to prevent their capture.

British, American and French accounts of the Penobscot Expedition of 1779 differ. Historians today estimate that of the 40 vessels in the fleet, the British captured 10. It is thought that as many as 6,000 British and American sailors and soldiers were involved in the siege that lasted for two weeks.

Riess, now the principal investigator on the same project that he first worked on as a graduate student, has found leads in local lore passed down through families living on the coast. Riess also has the names of the 900 men in the militia who fought the land battle, and has begun the process of looking up direct descendants. His research on the Penobscot Expedition, which includes development of a management plan for the remains of the ships, has been funded for the last two years by a Department of Defense Legacy Grant from the U.S. Naval Historical Center, Washington, D.C.

The University of Maine was joined in the project, dubbed Penobscot Expedition II, by faculty and students from Maine Maritime Academy, with cooperation from the Massachusetts Institute of Technology.

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Shipwrecks *continued from page 10*

The location and exploration of the Penobscot Expedition's watery grave near Winterport began three years ago with the help of local divers who pinpointed two wreck sites off shore. Using electronic surveys, the remains of four of the American ships burned in the Revolutionary War skirmish have been located. One of the ships located could be the *Warren*, a Continental Navy frigate that was the flagship of the expedition.

"We do not want to disturb these important sites, only record them to gather information to manage them properly," says Riess. "These are important national treasures from which we will glean information that does not exist anywhere else on earth."

Now that the first archaeological explorations are completed, Riess will spend much of this year out of the field, compiling data, studying archival records such as the depositions taken from eye-witnesses and publishing his findings. His work at the Darling Center also involves the monitoring of the restoration of nine cannons recovered from another shipwreck in southern Maine.

Two years ago, Riess was asked by the Maine State Museum to recover 10 cannons believed to be from a shipwreck off Boon Island near York. In 1710, the *Nottingham Galley*, a 120-ton British merchant ship, hit the rocks in the night. The 14 men aboard got ashore, but only 10 of them survived 20 days of Maine winter. Narratives of the first mate and captain tell of their harrowing ordeal, which included eating one of their dead ship-mates to stay alive.

The cannons had become fragile after years in sediment and saltwater with chlorides attacking the iron and sea urchins destroying the sheltering kelp. The recovery mission was deemed necessary after local divers heard rumors that out-of-state souvenir hunters had located the cannons. By the time Riess arrived, one of the cannons had been stolen.

The nine remaining English-made cannons were brought up from 25 feet of water. Now at the Darling Center, they are in holding tanks, immersed in sodium hydroxide for three years in an attempt to stabilize the iron.

Riess views the cannons as valuable because of the stories they tell. "I love the information I get from artifacts, but I am not a collector of old things," he says. "I am the first to give old things to a museum."

There are three "treasures" Riess has discovered in his career that he considers most valuable. One was found in a public records office in Bristol, England, when Riess came upon the first entry from the 1600s for the *Angel Gabriel*. The Ronson ship proved to be "a missing link" in beginning to answer questions about how ships from that era were designed and built.

Riess' other memorable find was in the Penobscot River. One afternoon while excavating the remains of the *Defence*, Riess and his diving partner happened on an extraordinary find. "We're talking zero visibility, exploring the side of the ship with our fingers, when we came upon a small box. I can still remember the feeling when I realized it still had all the bottles in it – two still containing their medicines." The discovery of a medicine chest from a Revolutionary War ship was a one-of-a-kind find.

Such artifacts speak volumes about the social history of the Colonial Era, says Riess. It is a history rich in people and circumstances that shaped the past, and brought us to the present.

"To me, this is the real history of people like you and me," he says. "History is not about a small handful of white males who happen to be in a certain situation. In a couple hundred years, will the history of Maine be based on letters between a governor and the head of the Catholic church? That is not our history. It is the history of people who lived during these times, and whose stories live on in archives in this country and overseas, in documents found in people's attics, in oral histories of their descendants." ▲

Behind the Scenes *continued from page 9*

and a great line on the resume for these artists."

Livingstone is a senior majoring in studio art. She was the first UMaine student to receive a Liberace Foundation Scholarship. Following graduation in May, she is bound for Scotland to study in a printmakers guild in Edinburgh.

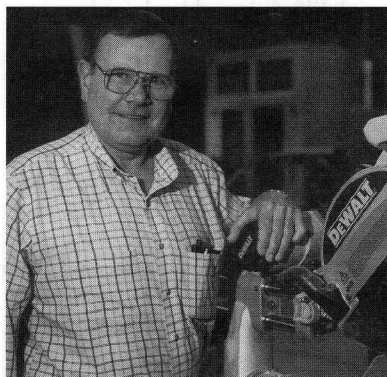
Livingston's medallion design of zinc and copper includes "visual hints of things." Taking from the University's land and sea grant identities, the wave-shaped medallion is etched with rock and seashell patterns.

O'Brien, a junior double majoring in art and landscape horticulture, incorporated symbols of a lighted torch, pine bough and the outline of the state. The design of copper and brass is meant to represent knowledge, and the educational leadership of the presidency and the institution. It also is a symbolic welcome of the new president to Maine, she says.

Most important, says O'Brien, the design has to "not only make sense today but also years down the road."

Boyington's design incorporates Maine's natural beauty and the university's leadership role as a land and sea grant institution. Using bronze, copper and brass, her medallion features two etched disks incorporating images of pine boughs and lettering, and a cut-out of the state. Enfolding the disks is a maple leaf.

"I wanted to create a design that used symbols for knowledge and growth related to education," says Boyington, a junior majoring in studio art.



Wayne Edgecomb

Wayne Edgecomb

The Processional of the Inaugural Convocation Ceremony will feature a parade of flags from all 50 states, complementing 73 international flags hanging above the Hutchins Concert Hall stage. The flags from the states and countries University students call home are a colorful representation of the diversity of UMaine's community.

At the culmination of the Processional, the state flags will be placed in special holders flanking the stage party. Carpentry Supervisor Wayne Edgecomb is the person responsible for custom-building the flag stands. He is one of many staff members from Facilities Management working behind the scenes to ensure the Inaugural Convocation is memorable for all the right reasons.

Details such as chair set-up and event signage are orchestrated by Facilities staff, many of whom have years of experience with countless University events. Edgecomb describes his colleagues as "people who go beyond. They have ownership in the University and what they do for it," he says. "These people give a lot of thought to what they're doing and carry it out with pride."

Edgecomb, who volunteered to construct the flag stands, has been working for Facilities since 1965. He began as a carpenter's apprentice and found Facilities "one whale of a place to learn and really excel in any trade." It is the great accumulation of talent in the people with whom he works that has made him stay for more than three decades.

"This is a close community like a family," he says. "The biggest lesson I've learned working here is that we are all in this together. There are no all-stars. Everyone is included in the accomplishments we attain." ▲

We Remember



The University of Maine harbors a talented group of faculty and staff, some of whom are better known for their expertise off-campus than on. One such individual has just passed away – a woman of immense intellect and scientific talent whose pioneering oceanographic contributions are well known to marine scientists in Europe and other parts of the U.S.

Noelia Revelante, a research professor of biological sciences, died Oct. 6 after a long and determined fight against lung cancer. She was 55. Noelia was born in Rovinjsko Selo, Istria, Yugoslavia, a region presently part of Croatia. She had a long and distinguished career in marine science and enjoyed an international reputation as an authority on the dynamics of primary production in the sea, the structure of phytoplankton communities, and the causes and implications of marine eutrophication. Although her marine research interests were cosmopolitan, her special area of geographic interest was the northern Adriatic Sea.

Revelante was fluent in Istrian, her native tongue, Croatian, English, Italian and Serbian, had a more than passing knowledge of Latin, Spanish and Russian, and some ability in French and German. She was truly a Renaissance woman with broad knowledge of and appreciation for a number of disparate fields, from biology to languages, history and differing world cultures.

After her formal education at the University of Zagreb, Revelante was employed as an assistant scientist at the Center for Marine Science in Rovinj, Yugoslavia, the second oldest marine station in Europe. She conducted research on various aspects of the biological oceanography of the Eastern Mediterranean, especially as related to phytoplankton dynamics and pollution biology. She remained an adjunct research scientist at the Rovinj Laboratory throughout her career.

Revelante received numerous awards and fellowships including an International Atomic Energy Fellowship for research in 1970-72 at Stanford University; a U.S. National Science Foundation Program Fellowship in 1973-74, also at Stanford; and, in 1975, a Queen's Fellowship at the Australian Institute of Marine Science (AIMS) to study aspects of pollution on the Great Barrier Reef. Revelante was the first scientist from the eastern world and the first woman to receive a Queen's Fellowship.

For several years she served as a senior scientist at AIMS. In 1978, Revelante and her husband and research colleague, professor Malvern Gilmartin, joined the Center for Marine Studies at the University of Maine. She became a United States citizen in 1991.

During her outstanding research career, Revelante published 57 scientific papers, nearly all of them in peer-reviewed international journals. She was considered a world-class authority on the dynamics of production in the sea, the biology of photosynthesis, especially by phytoplankton, and the effects of human activities on the eutrophication of marine systems, particularly in the Northern Adriatic Sea.

In addition to her husband, Malvern, now retired, Revelante is survived by a son, Darren, a first-year student at Vassar College.

The scientific legacy of this quiet, unassuming individual with enormous talents is assured through her numerous technical publications. Her legacy as a person is assured through the memories of those fortunate enough to have known her. Her characteristic traits of hard work, intellectual curiosity, humility, and good humor will remain for many as important lessons in life.

VOICE

Volunteers In Community Efforts

VOICE, a program of the Center for Students and Community Life, promotes volunteerism, acting as a clearinghouse for students, faculty, staff, and community members interested in making a difference in the local community. The list includes organizations that are still looking for volunteers from the University community. Members of the University community who are interested in participating in any of the following volunteer opportunities, or want more information on local volunteer projects, should contact the VOICE office, 581-1796.

- ▼ Manna Soup Kitchen needs 2,000 turkeys by Nov. 25. It is accepting turkeys, cash, or gift certificates. Manna is located on 180 Center St., Bangor. Manna also is sponsoring a Christmas party for 800 people. Christmas gifts for men and women are needed. Contact William Rae, 990-2870.
- ▼ Crossroads Ministries needs food donations for Thanksgiving baskets for families. It also is raising money to buy Christmas gifts for a family with seven small children. Call 394-4655
- ▼ Salvation Army is sponsoring an Angel Tree in the Bangor Mall Nov. 28-Dec. 24. The Angel Tree has ornaments with requests from disadvantaged children. Volunteers are needed to staff this table. Call Contact Mary McKay, 941-2990. In addition, bell ringers are needed at several different locations. Contact Tom Larcombe, 941-2990.
- ▼ The Red Cross is having a gift wrapping booth at the Bangor Mall Nov. 28-Dec. 24. Volunteers are needed. Contact Sandy Michels, 941-2903. The Salvation Army needs They also need help at the Angel Tree booth in the Bangor Mall from Nov. 28-Dec. 24.
- ▼ Big Brothers and Big Sisters need help with the Festival of Trees booth Dec. 1-14. Contact Lori Churchill, 942-5505.
- ▼ Make a Wish Foundation is sponsoring a raffle for a playhouse. Volunteers are needed at the Bangor Mall booth Nov. 24-Dec. 19. All monies help grant wishes to children with life-threatening conditions. Contact Kathy Hannon, 827-8565.

Book Ends

New & Noteworthy at the University Bookstore

The Conquest of the Cool, Thomas Frank, University of Chicago Press, 1997. *The Conquest of the Cool* is a thorough history of advertising in the last half of the 20th century, as well as an incisive commentary on the evolution of a peculiarly American sensibility, the pervasive co-optation that defines today's hip commercial culture. Thomas Frank paints a picture of the 1960s, differing dramatically from the accounts of youth rebellion and sell-out that have become so familiar over the years, and raising questions about the culture of that most celebrated and maligned decade.

Lost Man's River, Peter Matthiessen, Random House, 1997. The characters of this tale are the gritty descendants of pioneers and renegades, molded by the harsh elements of the Florida Everglades. A story of a father and his desperate sons and the ways in which death has shaped their lives, Matthiessen weaves a tale of beauty with dazzling artistry, while probing deeply into the underlying tragedy of a lawless frontier: the brutal destruction of the land in the name of progress, and the racism that infects the hearts of New World history.

Wobegon Boy, Garrison Keillor, Viking, 1997. A warm and satiric new novel from Keillor, host of "Prairie Home Companion" and best-selling author of *Lake Wobegon Days*.

Jo's Girls: Tomboy Tales of High Adventure, True Grit, and Real Life, ed. Christian McEwen, Beacon, 1997. A collection of fiction and memoir that looks at what it has really meant to be a tomboy from the 19th century to the present, and what the refusal to turn into a young lady has implied. Contributors include Willa Cather, Jamaica Kincaid, Ursula K. Le Guin, Toni Morrison, Alice Munro, and Grace Paley.

"A Totally Alien Life-Form" – Teenagers, Sydney Lewis, The New Press, 1997. A set of high energy, intimate interviews with 47 teenagers from around the nation, this is a totally honest book for everyone interested in finding out what is important to our generation.

Bruce Barber, associate professor of marine sciences: "Impacts of Bivalve Introductions on Marine Ecosystems: A Review," *Bulletin of the National Research Institute of Aquaculture*, Supplement No. 3: 141-153 (1997).

Patrick McMullen, professor, Maine Business School: "A Heuristic for Solving

Mixed-Model Line Balancing Problems with Stochastic Durations and Parallel Stations," *International Journal of Production Economics*, 51:177-190.

C. Stewart Doty, professor emeritus of history: "'M. Maurras est ici:' French Fascism in Franco-American New England," *Journal of Contemporary History*, 32(4):527-538 (October 1997).

Kenneth Wong, University of Chicago, Gail Sunderman, North Central Regional Education Laboratory, and **Jaekyung Lee**, UMaine assistant research professor: "Redesigning the Federal Compensatory Education Program: Lessons from the Implementation of Title I Schoolwide Projects," a chapter in *Implementing School Reform: Practice and Policy Imperatives*, edited by Margaret Wang, Temple University, and Wong; Temple University Center for Research in Human Development and Education (1997).

Darrell Donahue, assistant professor of biosystems science and engineering; **Robert Bayer**, professor of biosystems science and engineering, and marine sciences; **Therese Work**, sensory scientist, Kellogg Inc., and **John Riley**, professor of biosystems science and engineering, and marine sciences: "The Effect of Diet on Weight Gain, Shell Hardness, and Flavor of New-Shell American Lobster, *Homarus americanus*," *Journal of Applied Aquaculture* 7(4):69-77.

Mary Ellen Camire, associate professor and chair, Food Science & Human Nutrition: "U.S. Changes in Health Claims and Nutritional Labeling for Foods and Dietary Supplements," *Proceedings of the 6th International Symposium on Vaccinium Culture*, Acta Horticulture #446, edited by **David Yarborough** and **Jack Smagula**, International Society for Horticultural Science, pp. 205-209.

Huanli Zhang, Dannon Yogurt; **Alfred Bushway**, professor of food science; **Terry Work**, Kellogg; **Mary Ellen Camire** and **Richard Work**, food & nutrition science doctoral student: "Prevention of Anthocyanin Leakage of Individually Quick Frozen Lowbush Blueberries in Blueberry Muffins," *Proceedings of the 6th International Symposium on Vaccinium Culture*, Acta Horticulture #446, edited by **David Yarborough** and **Jack Smagula**, International Society for Horticultural Science, pp. 211-217.

Jeff Hepinstall, Ph.D. candidate and research associate, and **Steve Sader**, professor of forest resources: "Using Bayesian Statistics, Thematic Mapper Satellite Imagery and Breeding Bird Survey Data to Model Bird Species Probability of Occurrence in Maine," *Photogrammetric Engineering and Remote Sensing*, 63(10):1231-37 (October 1997).

Wayne O'Leary, research associate in history: review of *The Great Lobster War* by Ron Formisano (Amherst: University of Massachusetts Press, 1997) in *The New England Quarterly*, LXX(3):498-500 (September 1997).

James Linehan, professor of art: *Along the Coast*, a solo exhibition of new paintings, opened Oct. 29 at Sherry French Gallery, New York, N.Y. In the past year, Linehan has completed and installed four public painting commissions; three under the auspices of the Maine Arts Commission-Percent for Art Project at Troy Central School, Troy; Holbrook School, Holden; and Hermon High School, Hermon. Linehan also painted a suite of 11 canvases for Trump Taj Mahal Casino, Atlantic City.

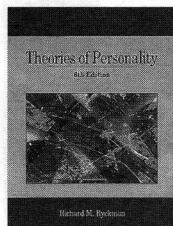
Irv Kornfield, professor of marine sciences and cooperating professor of zoology, and **Alex Parker**, former graduate research assistant in zoology: "Molecular Systematics of a Rapidly Evolving Species Flock: The Mbuna of Lake Malawi and the Search for Phylogenetic Signal," *Molecular Systematics of Fishes*, Academic Press, pp. 25-37 (1997).

David Sanger, professor of anthropology and quaternary studies: "An Analysis of Seasonal Transhumance Models for Pre-European State of Maine," *The Review of Archaeology*, 17(1):54-58.

Steven Colburn, associate professor of accounting, with Ted Englebrecht: "The Taxpayer Relief Act of 1997," *The CPA Journal*, LXVII(10):14-50 (October 1997).

V O L U M E S

Recent Works by University of Maine Authors

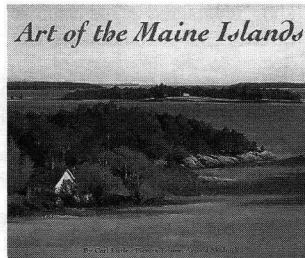


Theories of Personality By Richard Ryckman (Brooks/Cole Publishing Co. 1997)

Theories of Personality serves essentially the same primary purposes in its sixth edition as in the first, published nearly 20 years ago. The undergraduate text reviews and critiques the basic concepts and principles of 16 major theories of personality and assesses how well they meet criteria for judging their scientific worth. It also introduces students to research studies that test the validity of the theories.

Although the goals of the text remain intact, there have been many changes in most of the theories in the past 20 years, particularly as advocates of the theories have tried to increase their validity and applicability to the solution of human problems. Author and Professor of Psychology Richard Ryckman attempts to convey the intellectual excitement generated by the ongoing work with these theories. He also attempts to show how they continue to inspire the creative efforts of a new generation of personality psychologists, thus furthering our understanding of human personality and functioning.

The nearly 700-page volume is divided into seven parts, offering an introduction to the discipline; chapters on psychoanalytic, neoanalytic, trait, cognitive, humanistic-existential and social-behavioristic perspectives; and discussion of the role of personality theories in contemporary personality psychology.



One of the newest releases from Down East Books of Camden, *Art of the Maine Islands*, includes works by four University of Maine faculty – Siri Beckman, Nina Jerome, Michael H. Lewis and James Linehan. The book, written by Carl Little, is illustrated by the work of 64 painters and print-

makers – Realists, Impressionists, Cubists and Expressionists alike who have "fallen under the spell of Maine's islands."

Works of such distinguished artists as Edward Hopper, N.C. Wyeth and Jamie Wyeth are given further dimension through the prose and poetry of such writers as Harriet Beecher Stowe and Sara Orne Jewett. A poem by Samuel French Morse, "A Trip Outside," closes the volume. Morse, a poet who taught for more than 20 years at Northeastern University, also taught in UMaine's English Department from 1946-48. The poem is from Morse's *Collected Poems*, published in 1995 by the University of Maine-based National Poetry Foundation.

Works by UMaine artists are a wood engraving, *Approaching Storm* (1996), by Siri Beckman, adjunct assistant professor of art, from the artist's collection and from the book, *A Week at the Lake*. An oil on canvas, *Earth, Air, Water, and Light* (1996), is by Nina Jerome, adjunct assistant professor of art, from the artist's collection. Professor of Art Michael H. Lewis' work, *Konrad Oberhuber's Visit to Compass Harbor, Maine* (1985), is an oil on canvas in the collection of Dr. Konrad Oberhuber, director, Albertina Museum, Vienna, Austria. The painting by Lewis is found in the book, and on the back jacket cover. *Both Ends of the Island* (1996), an oil on canvas, presently at the Sherry French Gallery, New York, is by Professor of Art James Linehan.

Professor Emeritus **Jacob Bennett**, English, presented a paper: "New Discoveries in Fifteenth Century Medieval Drama," Oct. 4, at the Maine Medievalists annual meeting held at Colby College.

Presentations by College of Education & Human Development faculty at the 1997 National Rural Education Association,

Sept. 24-27, Tucson, included: "Making Connections/Building Partnerships: Examples from the University of Maine," **Robert Cobb**, dean; **Walter McIntire**, director, Center for Research and Evaluation; **Constance Perry**, professor of education; and **Russell Quaglia**, director, National Center for Student Aspirations; "Student, Teacher and Parent Perceptions of New England Public Secondary Schools," McIntire; "Attending to School Belonging: Administrators and Teachers Take Notice," Perry; "Connecting Secondary School Athletic and Academic Agendas" by Cobb and research associate **Rebecca Carr**, presented by McIntire.

Songs by composer **Beth Wiemann** of the School of Performing Arts were recently performed by Susan Bender at George Washington University, and "projected their moods with immediate authority," according to the *Washington Post*. Selections from the same song collection were also performed this fall by Associate Professor **Nancy Ogle** in Minsky Hall, by Johanna Blank at Brandeis University, and Patricia Green at the Peabody Conservatory of Music.

G. Bruce Wiersma, dean of the College of Natural Sciences, Forestry, and Agriculture, has been appointed to the U.S. Department of Agriculture's Forestry Research Advisory Council. The Council advises and makes recommendations to Dan Glickman, Secretary of Agriculture, on research in the U.S. Forest Service and ways to accomplish the purposes of the McIntire-Stennis Act of 1962.

James Sucec, professor of mechanical engineering, presented a paper: "Prediction of Heat Transfer in Turbulent, Transpired Boundary Layers Using Simple Power Law Velocity and Temperature Profiles," in a session: "Turbulent Heat Transfer," National Heat Transfer Conference, Baltimore, Aug. 9-12.

Raymond Hintz, associate professor in the Department of Spatial Information Science and Engineering, and **Knud Hermansen**, associate professor of civil engineering technology, were awarded honorary memberships in the Massachusetts Association of Land Surveyors and Civil Engineers at the its 43rd annual meeting Sept. 26. The award recognizes "unparalleled dedication to the Land Surveying profession." Hintz and Hermansen have traveled to Massachusetts on numerous occasions to speak at the association's conventions or to give full-day continuing education seminars. Most recently, both Hintz and Hermansen addressed the association on the technical and practical issues surrounding Positional Tolerance Standards. This is currently a fertile area of debate for the profession and an area in which both Hintz and Hermansen are nationally recognized experts.

Eric Landis, assistant professor of civil engineering, was among 15 invited U.S. delegates to the U.S. - Japan Joint Workshop on Civil Infrastructure Systems Research, Aug. 28-30, Honolulu. He presented a paper: "Advanced Sensors and Instrumentation for Health Monitoring and Condition Assessment of Civil Infrastructure Systems." Objectives of the workshop, sponsored by the National Science Foundation and the Japan Society for the Promotion of Science, were to identify common areas of research interest, and to promote and develop cooperative research programs.

Warren Riess, research associate professor of history, represented UMaine at the Naval History Symposium in Annapolis, Oct. 8-11, where he delivered a paper: "Investigating the Revolutionary War Penobscot Expedition," and was commentator for the "Naval Undersea Archaeology" session.

Steve Butterfield, professor of kinesiology and physical education, has been elected as Physical Education Representative to the Board of Directors of the National Consortium for Physical Education and Recreation for Individuals with Disabilities. The national consortium's mission focuses on the promotion of research, professional preparation and advocacy for individuals with disabilities. With his election, UMaine joins other institutions represented on the eight-member board, including Ohio State, Illinois State, SUNY Brockport, Northern Illinois, West Chester University and the University of Florida.

Naomi Jacobs, professor of English, attended the conference of the International Society for Utopian Studies in Memphis, Oct. 16-19, where she presented a paper: "Fourier's Tail: Utopian Evolutions and the Fear of the Body," and also served as respondent to a paper by Darko Suvin: "Utopianism from Orientation to Agency." A member of the Society's steering committee and of the advisory board for its journal, *Utopian Studies*, Jacobs is program chair for the 1998 conference in Montreal. (She welcomes proposals for panels or papers.)

Mary Ellen Camire, associate professor and chair, Department of Food Science & Human Nutrition, organized and chaired a symposium on the effects of food processing on dietary fiber at the annual meeting of the American Association of Cereal Chemists, San Diego, Oct. 16. She also presented a paper during the symposium: "Fiber Changes During Milling, Malting and Other Industrial Operations." Camire completed her term as chair of the association's Nutrition Division and continues to chair the Membership Committee.

Aug. 16, **Keith Hutchison**, Department of BMMB, presented: "Differential Gene Expression During Maturation-related Decline of Adventitious Rooting in Loblolly Pine: The Role of Expansion Expression," at joint IUFRO meeting of somatic cell genetics and molecular genetics of trees, Loews Le Concorde in Quebec. **Michael Greenwood**, Department of FES, was a co-author. In addition, Oct. 22, Hutchison presented a joint invited talk: "Genetic After Effects of Temperature on Conifer Growth," at a Forestry Technical Session: "Sustainable Forestry and Global Change Issues in the NE," as part of the NCASI NE regional meeting. Greenwood was a co-author.

Mitchell Bruce, associate professor of chemistry, Department of Chemistry, presented a poster, co-authored by **Alice Bruce**, associate professor of chemistry, **Janet Foley**, Department of Chemistry, and graduate students **Melanie DiLorenzo**, **Pam Runnels**, and **Stan Gay**, on the Electrochemistry of Gold Phosphine Complexes, at the American Chemical Society meeting in Las Vegas, Sept. 7. In addition, M. Bruce presented an invited talk: "Electrochemical Investigations of Reactions Involving Gold Phosphine Complexes," at the Department of Chemistry, University of Vermont, Burlington, Oct. 24.

Sept. 15, **Colin Martindale**, professor of psychology, was formally inducted as an Academician of the International Informatization Academy in Moscow. From Oct. 16-19, he attended the International Symposium on Emotion, Creativity, and Art in Perm, Russia. As chief North American organizer, he gave a "Welcome Address" and a keynote address: "The Coldness of Creativity," Sept. 16; and Sept. 19, he gave a talk: "Is Poetry About Emotion?" At the Symposium, he was also named an Honorary Professor of Psychology and Art at the Perm State Institute of Arts and Culture, and was awarded the Yuri Tynjanov Prize "in recognition of his outstanding contribution to the study of the evolution of art" by the Russian Division of the International Association of Empirical Aesthetics. Other recent activities include several colloquia: Sept. 18: "The Aesthetic Value of Academic Art," colloquium, Perm State Institute of Arts and Culture, Perm. Revised version given as Department of Sociology Colloquium, Saint Petersburg State University, Sept. 23; and as Department of Philosophy and Social Sciences colloquium, Università degli Studi di Cassino, Cassino, Italy, Sept. 26. A Sept. 29 colloquium addressed: "Creativity of Mental Processing," Department of Philosophy and Social Science, Università degli Studi di Cassino, Cassino, Italy.

Nathan Godfried, associate professor of history, presented a paper: "Contesting Reactionary Viewpoints: A Case Study of Labor and Television, 1950-1970," at the Twenty-Second Meeting of the Social Science History Association, Oct. 16-19, Washington, D.C.

Peter Kleban, LASST and Department of Physics and Astronomy, gave an invited talk: "Hyperbolic Geometry and Conformal Field Theory," at the American Mathematical Society meeting, Montreal, September.

Max Egenhofer, director of the NCGIA, associate professor in spatial information science and engineering, and cooperating associate professor in computer science, and **Harlan Onsrud**, chair and associate professor in spatial information science and engineering, attended the NCGIA Varenius Panel Meeting held in Santa Barbara, May 2-4. Egenhofer chairs the panel on Computational Implementations of Geographic Concepts and Onsrud is a member of the panel on Geographies of the Information Society.

Professors of Literacy Education **Rosemary Bamford** and **Jan Kristo** were featured speakers at the New England Reading Association Conference in Hartford, Oct. 23. Their presentation was: "Book Flood or Book Selection: Why Is It Important to Select the Best Nonfiction for Children?"

Former UMaine President **Fred Hutchinson** was the recipient of Eastern Maine Development Corporation's first Annual "Eastern Maine Citizen Award" Oct. 30. The award, presented at EMDC's annual meeting, recognized Hutchinson's and UMaine's efforts to promote economic development in the region and the state. Over 500 people were on hand for the event.

Three University of Maine Cooperative Extension staff members have received awards from the National Extension Association of Family and Consumer Sciences. Extension educator **Shirley Hager** in Androscoggin/Sagadahoc, and **Judith Graham Colburn**, human development specialist based in Orono, are recipients of the Florence Hall Award for their work in the Parentmaking project. The award cites outstanding programs that recognize new concerns and interests of families, and involve people in planning and implementing programs benefitting families. Piscataquis County Extension aide **Diane Curran** is the recipient of a Para-Professional Award. The NEAFCS awards were presented at the Galaxy Summit meeting in Cincinnati, Oct. 12-16.

The Maine Compost Team has received a Special Award in the Environmental Protection Agency's 1997 National Beneficial Use of Biosolids Awards Program for its outstanding and effective efforts to help establish and promote sound composting practices in Maine. Team members are **Dick Vervill**, Cooperative Extension; Bill Seekins, Maine Department of Agriculture; Mark King, Maine DEP; and Geoff Hill, Maine State Planning Office. The national award was presented at the 70th Annual Water Environment Federation Conference, Oct. 20, Chicago. The team's efforts were the subject of an entire issue of *Biocycle* magazine in August 1996. The team has worked with businesses and municipalities to compost organic waste materials. This year, Cooperative Extension and the Compost Team have received national attention for the Compost School, which is held at the Witter Farm.

The following UMaine students and programs received recognition at the Maine Association of Student Affairs Professionals Fall Conference Oct. 17 at Farmington. **Amanda Blake** is the recipient of the National Association of Student Affairs Professionals "Catch A Rising Star" Award for the Outstanding Undergraduate Student in the state. It includes a registration fee waiver to the NASPA Regional Conference coming up in Newport, R.I. Blake is a senior in Women's Studies, was a resident assistant for two years, and is in her second year as in the Peer Education Program. **Jennifer Hapgood** is the recipient of the National Association of Student Affairs Professionals Richard F. Stevens Award for the Outstanding Graduate Student in Maine. The award includes a registration fee waiver to the NASPA Regional Conference coming up in Rhode Island. Hapgood is in her third year in the Student Development in Higher Education Program, has been a resident director for two years and is currently the graduate assistant for Scholarly Communities in Campus Living. **Reality U** is the recipient of the MASAP Programming Award and nominated for the NASPA Region I Programming Award. This is the second year that performances of *Reality U* were presented during Fall Orientation to several hundred students at a time. **Sheri Cousins** and **Eric Chapman** coordinated this highly successful program, which introduced new students to important issues that they might face in a comfortable and light-hearted setting.

Peiyang Yang, graduate student in food science and human nutrition, and **Dorothy Klimis**, associate professor of clinical nutrition, presented a paper: "The Effect of Dietary Manganese on Arterial Glycosyltransferase Activity in the Endothelium," at the Annual Meeting of the Federation of the Societies for Experimental Biology, April 6-9.

Tracy Zschau, former M.S. graduate student, and **William Ostrofsky**, associate research professor and leader, Cooperative Forestry Research Unit, presented a poster: "Effects of Beech Bark Disease and Stand Harvesting Intensity on American Beech Regeneration," at the Society of American Foresters National Convention, Memphis, Oct. 3-8.

Media Spotlight

Sandweiss and Maasch Talk to *Time*, CBC

Dan Sandweiss, Department of Anthropology, and Kirk Maasch, Department of Geological Sciences, both of the Institute for Quaternary Studies, interviewed with a writer from *Time Magazine* for a story on El Niño, scheduled tentatively for late November. In addition, the researchers talked to a reporter from CBC Radio for a program about El Niño.

Bayer on the Air in Vancouver

Bob Bayer, director of the Lobster Institute, did a 15-minute radio interview on CFJC, Vancouver, on the subjects of lobster biology and the status of the lobster resource in the U.S. and Canada.

UMaine in College Licensing Report

The September issue of "College Licensing Report," a publication of the Collegiate Licensing Co., includes a story in its "More Than a Label" column, "University of Maine Revenues Fund Student Scholarships." The story describes how UMaine divides revenue generated from its licensing program between academic and athletic scholarships, and each year, different groups benefit from scholarship opportunities. The story notes that this year, athletic scholarships funded by licensing revenues benefit female athletes, and the academic royalties support the Distinguished Student Award and the ROTC Incentive Award.

White in *Food Entrepreneur*

The summer issue of *Food Entrepreneur* carries an article by Greg White, associate professor of resource economics and policy, on the use of the Internet for specialty food purchases. Since 1995, White has been surveying the shopping behavior and demographics of Internet users who visit sites maintained by food retailers. While most consumers prefer to make purchases from local stores, his latest surveys suggest that nearly 900,000 people over a six-month period bought food and drink products on-line.

Wilhelm Featured in *English Journal*

You Gotta Be the Book: Teaching Engaged and Reflective Reading with Adolescents by Jeff Wilhelm, assistant professor of literacy education, was featured in a two-page review in the October edition of the *English Journal*. The national journal describes Wilhelm's book, now in its second printing, as "an eloquent and important contribution to the current conversation concerning literacy."

Milardo Interviewed by *Wall Street Journal*

Robert Milardo, professor of human development and family relations, interviewed with a *Wall Street Journal* reporter for a story on dysfunctional families. Milardo also interviewed recently with the author of a future book on friendship to be published by William Morrow Publishing.

Markides on A&E

Professor of Sociology Kyriacos Markides was among the international experts interviewed for the Arts and Entertainment Network "Ancient Mysteries" series, hosted by Leonard Nimoy. The show, "Reincarnation," aired Nov. 2. Markides, whose research includes the sociology of religion and shamanism, and non-medical healing, was interviewed for the program a year ago. He is the author of a number of books on these subjects, including his most recent, published in 1995, *Riding With the Lion: In Search of Mystical Christianity*.

Art Students Highlighted on *CBS Morning News*

CBS Morning News Nov. 6 carried a segment on an experiment conducted by students in a 3-D Design Art class led by Cristin Millett, assistant professor of art. Using specified materials - paper, cardboard, wood, glue and string - the students created containers that would protect an egg when dropped 20 feet from the roof of Carnegie Hall. Channel 5 covered the event, and fed the story to the network.

Martin Stokes, professor of animal and veterinary science, presented "Coming Home to Oktoberfest" at the Page Farm and Home Museum during Homecoming Oct. 18. Stokes explained the processes and principles of commercial beermaking and how this can be imitated with increasing levels of sophistication in the home. *Bangor Daily News*

reporter and UMaine graduate Yolanda Sly covered the event and interviewed Stokes for a story, "Brewing 101," which appeared Oct. 20. Stokes has taught homebrewing on campus in CED, privately through a local business, and is an adjunct faculty member at EMTCC, Bangor.

Music *continued from page 8*

The next day will open with music highlighting the University community breakfast in the Damn Yankee. That music will be provided by the Orono High School Band and Chorus.

The Inaugural Convocation ceremony's Prelude will feature a rarely played 1915 Sousa march, *The Pathfinder of Panama*. During the ceremony, the *Star Spangled Banner* will be performed, accompanied by soloist Sandra Bisson, a music education major from Barre, Vt.

Coincidentally, just in time for the Inaugural Convocation concert and ceremony, the School of Performing Art has received 17 professional-quality instruments through the generous support of the General Alumni Association. The four tubas, four double horns, two euphoniums, two tenor sax, two bass clarinets, two bassoons and one bass trombone replace well-worn instruments, some purchased when the Music Department moved into Lord Hall in 1964. The donation by the Alumni Association was made in the spring semester, with the last of the instruments arriving earlier this month.

The instruments will be used by the members of the Symphonic Band, a group of aspiring instrumentalists chosen from students of all academic disciplines. Each semester, membership is determined by rigorous audition. The Band performs several times each year on campus and throughout the state. In the past few years, the Band has been guest conducted by such nationally known composer/conductors as Frank Erickson, Jay Chattaway, Jerry Nowak, Anne McGinty, Francis McBeth, Cmdr. Lewis Buckley and Robert Sheldon. Each spring the group tours New England representing the best UMaine has to offer.

Farnham notes that students' participation in the Inaugural Convocation adds a festive and memorable dimension to the performances. "As students look back on the events of their lives, this may be another connection to the University," he says. "The Marching Band members have played with Dr. Hoff, and that is a special memory for them. Now the Band will perform specially for him. For those students, there will be a direct personal connection." ▲

SNOW LINE AVAILABLE

Information about the University's class schedule during inclement weather can now be obtained by calling 581-SNOW. A toll-free line is available by adding the 1-800 prefix. The recorded message will provide general information about postponements or cancellations due to a storm.

Maine Folklife Center

Native American Collection

When you think about Native Americans, is the picture that comes to mind associated with grasslands and buffalo, with horses and teepees and eagle feathers in long hair? This picture is misleading, especially for the Native peoples of Maine and the Maritime Provinces of Canada. These people belong to several tribes, which are collectively called the Wabanaki, and they have little to do with prairies and teepees. The Maine Folklife Center is a repository for tape recordings, transcripts, manuscripts, and photographs that document the traditional cultural heritage of the Wabanaki of Maine and the Maritimes. Much of this material was gathered through conversations with Natives who speak about their lives, their music, and their folklore. Other portions of the collection contain information about Native culture gathered from non-Natives, which include meanings of Indian place-names, accounts of buried Native artifacts, Native medicinal practices, and Native ghosts. We welcome your interest or information at any time. The Center is open 8 a.m.-4 p.m., Monday - Friday, 112 South Stevens Hall.

UMaine Cooperative Extension



Born to Read

In eight southern Maine counties, Cooperative Extension nutrition aides working in the homes of some of the state's neediest families now have a new tool in the battle against hunger and the promotion of well-being - children's books.

The Maine Humanities Council has launched "Born to Read," an inaugural outreach program of its new Maine Center for the Book, which is dedicated to community reading and literacy, and is part of a national network authorized by the Library of Congress. "Born to Read" is presently being offered by the Maine Humanities Council in partnership with University of Maine Cooperative Extension and United Way's "Success by Age Six" program in mid-coast Maine.

The Frances Hollis Brain Foundation has provided partial funding for the program. The literacy effort was piloted by Extension in Androscoggin and Sagadahoc counties this summer. Training for Extension educators and aides took place early this fall.

Key to "Born to Read" are home visitation programs like Extension's Expanded Food and Nutrition Education Program (EFNEP) and its Maine Family Nutrition Program. Children's books are reaching preschoolers in low-income families through the Extension nutrition aides working in the homes.

More than 2,000 families are being served by the new family literacy program. Each family with preschoolers receives four books, including a nursery rhyme collection, a classic story, a work by a Maine author and an alphabet book.

"Our goal is for reading to become a regular lifelong activity of all Maine people," says Denise Pendleton, program officer of the Maine Humanities Council. "More specifically, we hope more mothers and fathers will read to their children and become motivated to develop regular reading habits for themselves."

The idea is to model reading for children, says Extension Educator Shirley Hager, who initiated Extension's efforts from the Androscoggin/Sagadahoc county office. "This is a program as much for the children as it is for the adults. The nutrition aides work the books into their home-visit lessons, reading books to the child with the parent present and talking about the benefits of reading to children, both in terms of increasing skills and as a means of communicating and bonding.

"The focus of our programs is nutrition education and we can't stray too far afield in what we're teaching in the home," says Hager. "Knowing that, the Council ordered books that include themes of food. Stories about characters like the Little Red Hen involve themes of planting and growing grain that then is made into bread. The book then becomes a tool for getting messages across about good food, people working together and families communicating. The book reinforces the lessons of the aides."

While it is not possible to incorporate the books into every home visit, the nutrition aides are finding that, after just one reading session, children are anxious for more. Parents with limited literacy skills are encouraged to use the books to talk about the pictures and make up their own stories with their children.

"The families nutrition aides work with deal with many pressures in their lives, including fewer resources than many of us have," says Hager. "Participation in nutrition programs gives these families not only information about improving nutrition but increasing their self-reliance and confidence to try new things. Success in one area spills over into other areas. Bringing books into these homes reinforces the educational efforts, and are part of helping and supporting families to be whole and healthy."

Aquatic Fungus *continued from page 2*

Mollicone's husband died in 1978. Eight years later, she enrolled in a master's program in botany and plant pathology. "I thought it was so long since I had actually studied this stuff, maybe I'm no longer telling the truth," she says. "I knew of course that DNA had been figured out about the time I graduated. I was delighted when I got here to find out that what I knew hadn't changed that much, but there was a considerable amount of new knowledge to catch up on."

More than 40 years after receiving her undergraduate degree, she received her master's in 1993 and published in the journal *Mycologia* on the detailed ultrastructure (extremely fine level of structure) of a fungal species and the classification and evolutionary implications of her observations.

Longcore received her bachelor's degree in botany from the University of Michigan in 1960. Following graduation, she worked at the University for F.K. Sparrow, a world authority who published a monograph on aquatic fungi the same year.

She continued to work for Sparrow off and on before and after going to Indiana University for a master's.

In 1976, Longcore moved to Maine with her husband Jerry, a wildlife biologist for the biological resources division of the U.S. Geological Survey, and their two sons. It was in 1984 that a visitor walked into her kitchen to change her life.

"When Joan Brooks (research associate in civil and environmental engineering) was trying to identify the fungi at work in peat septic systems, it was quite a big job. She needed a little help, and Dick Homola (UMaine professor of botany) told her to come and see me. She literally came and got me out of my kitchen one day, and we sat down and talked about these things. And Joan being Joan, she easily convinced me that I knew more about these aquatic fungi than she did and that I should help her.

"So they provided me with space in Dr. Homola's lab, and I worked for a year on these fungi from peat mound systems. As soon as I got back to the microscope I just sort of heaved a sigh and said, 'Oh yes, this is what I want to do.'"

Shortly thereafter, Longcore entered a graduate degree program. In 1991, she received her Ph.D. in plant science. For her dissertation, she had focused on a little-studied group known as the Chytrids using specialized techniques to isolate fungal species and electron microscopy to document the exquisitely fine details of their ultrastructure.

"It's E.O. Wilson's (Harvard biologist/author) fault, but he doesn't know it. In the late 1980s, he wrote an article in which he said taxonomists should be advocates for their group. So that's what I do. Besides my own research, I furnish fungi to other scientists for teaching and research."

Through Homola and Brooks, Longcore received some funding from the National Science Foundation for her work on peat septic systems. The Land and Water Resources Center (now the Water Research Institute) provided a grant in the mid-80s to study fungi in lakes with varying levels of acidity.

Longcore describes her work as a bit of a fishing expedition. "My father always fished. He was never sure what he was going to catch or how big it would be. Well, I fish too. I add the bait and get something to study," says Longcore.

The laboratory tools that Longcore and Mollicone use are not unusual: light microscopes, an incubator, petri dishes, needles. Some of the equipment and supplies came from Melvin Fuller, a Maine native and UMaine graduate who is a well-known researcher in aquatic fungi. After he retired from the University of Georgia, Fuller established a lab at the Darling Marine Center in Walpole. When he began to spend more time with Gulf of Maine activities, he donated some of his laboratory equipment and supplies to Longcore. Susan Brawley, UMaine professor of botany

and marine sciences, provides lab space.

When fishing for new species, Longcore uses bits of translucent material such as a recently shed snake skin, cellophane or white onion skin as bait. Mollicone uses twigs and fruit. In the lab, they place their baits in a dish of pond water, and wait. If present, the fungal spores will settle on the material and begin to grow. As they develop, they change in ways which distinguish one species from another.

"After we bait them and find them, we go a step further," says Longcore. "We get them into pure culture, document their morphology on an agar substrate, and then look at the ultrastructure of their zoospores."

The point of looking at ultrastructure is to determine relationships among organisms with a high degree of confidence. "It gives us additional taxonomic characters that we believe are more conserved than morphological character. It's a better way for grouping things for true relationships. Now, we can add to that with the sequencing of their DNA."

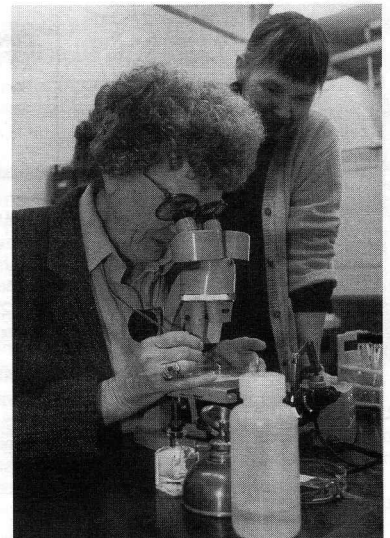
The key ingredient in this process is patience, particularly when finding and separating a small fungus from a network of other organisms. As they peer through their microscopes, they use a needle to gently push their subjects out of the tangle of other fungi and microorganisms. Besides being slow, the work has risks. Push too hard, and they can break a cell wall and kill their quarry.

"If one were interested in biodiversity alone, this is a wide open field as far as finding new things. I have things that are new, sitting in the culture collection in my refrigerator, but I don't have time to do it all. I do my own dishes. I do all my own work. I find that I can't get as much done as I would like to," says Longcore.

For Mollicone, the best reward is well-behaved subjects. She points out with a hint of frustration that sometimes, they can be unruly. "I've just done a screening and put all my cultures through a process to get them to produce zoospores. One of them did a beautiful job last October (1996). So I did them all again last April. I thought that perhaps the combination of light and temperature was a factor. Some of them did quite nicely. But I wanted more, so I did them again this October. And I got almost nothing."

Nevertheless, she recalls with a laugh a performance one species put on for her as she peered through her microscope a few months ago. "I was watching that little fungus reproducing sexually. Sex is stock in trade for the group that I work with. It isn't as strange as it sounds. The morphology of the sexually reproducing stages provides the characters used to identify species, so we need to get them to reproduce so we can view them at each stage."

As their studies proceed, Longcore and Mollicone are assembling a treasure — stocks of pure cultures, many of which exist nowhere else in the world. Their stocks have become a resource for scientists at other universities and a source of badly needed funds. Longcore and Mollicone have sold cultures to researchers at Auburn University and the University of Montreal, among others, and they are developing new relationships with researchers at Colorado State and the National Zoo in Washington D.C. ▲



Marilyn Mollicone and Joyce Longcore

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

FOR SALE

AUTOMOBILE: 1991 Toyota Camry DX, 4-door, automatic, AC. From southern U.S. so no rust. Great condition. 95,000 miles. \$5,600. Call 866-7517.

AUTOMOBILE: 1985 Audi 5000S. Black. No rust. Runs great. Nice car. \$1,850. Call 884-8493.

AUTOMOBILE: 1988 Dodge Aries wagon, white, burgundy fabric interior, clean as a whistle. Second owner, always garaged, loaded w/accessories, 4 extra tires, sunroof, cruise, P.S., P.B., A/C, A.T., rear wiper & defrost, roof rack, all service records avail. \$1,900. Call 827-5211.

FIREWOOD: All hardwood, cut, split, and delivered. \$100/cord. Call 827-7091.

HOUSE: 45 mins. from Orono, Acadia National Park, & Camden. Circa 1830 Maine Cape on 9 acres. 4BR/2LR/DR/study/2 full baths/large kitchen. New furnace, water and sewer. 2-car detached garage with attic and wood alcove. Dog kennel with 2 runs. Very private. \$153,000. Call 469-7490.

HOUSE: Old Town. Charming Cape/bungalow-style home in excellent condition. In-town, up-to-date interior, 3 BRs, 2 large full baths, kitchen, formal DR, LR, office/computer room, family room opening onto deck and large backyard, 2 porches. \$82,500. Call 827-2544 after 5 p.m., for more information.

MISCELLANEOUS: Country-style blue sofa bed, \$80; and 18th century violin, sounds beautiful, with case, bow, and sheet music, \$450. Call 866-0688.

SCANNER: Canon IX-4015 color scanner. Comes with ofoto software. OCR capability. \$350. Call 884-7143.

FOR RENT

APARTMENT: Bangor. 2BRs with small study, LR, kitchen with appliances and full bath. Carpeted throughout, except in kitchen and bath. Convenient to hospitals, downtown and malls. Off Stillwater Avenue. Clean, quiet, bright and sunny rooms with large closets. Nice backyard and off-street parking. Heated, W/S, plowing and mowing included. \$495/mo.,

references and security. No dogs. Mature professional or couple. Call after 6 p.m., 941-6442 or leave message.

CONDO: Colburn Drive, Orono. 2 BR, 1 1/2 baths, partially furnished, deck, laundry hookups, pets negotiable, parking, negotiable lease, references required, walking distance to campus. Quiet residential area. \$500/month plus utilities. Call 942-5199 eves/weekends.

HOUSE: Two BRs, furnished, winterized camp on Old Town side of Pushaw Lake. 20-minute drive to campus. W/D, dock, canoe, and picnic table. Jan. 15-Aug. 15. \$525/month plus utilities. Security deposit required. Call 827-0522.

HOUSE: Professor's home in Orono, on quiet, dead-end residential street, 5-minute walk to center of campus. Fully furnished, 4 BRs, 2 baths, W/D, dishwasher, large backyard surrounded by trees. No smokers. Ideal temporary home for new or visiting faculty. Available Dec. 22-May 15. \$750/month plus utilities. Security deposit. Call 866-4070.

HOUSES: Orrington (Loon Hollow). Two houses for rent - 1 2-BR w/loft; 1 4-BR. Fully furnished, pets negotiable, laundry hookups, non-smokers. On pond, beautiful setting. Perfect for visiting faculty. Short-term tenants acceptable. Experience Maine in its finest form. Easy commute to the University. Call 825-3128 for specifics.

ROOM: Orono, fully furnished room and private bath. \$175/month for mature individual, non-smoker required. No lease. No kitchen privileges; can bring own hot pot, refrigerator. No co-ed visitors. Convenient location by town park, bridge, College Avenue. On bus line. Phone 866-4281 before 7 p.m.

ROOM: Orono, 1 mile from campus. Fully furnished, including refrigerator, microwave, and hot-plate. Share bathroom. No smoking. \$200/month plus electricity. Call 866-4872.

SERVICES

CHILDCARE: Give your child a strong start in a safe, caring, stimulating and attractive early education setting close to UMaine. Immediate preschool and after-school openings/full-time and part-time options. Visit us at The Sharing Place. Call 866-3313

FOREST SERVICES: Put the woodchuck on your side! Woodchuck Forestry offers a full line of professional forestry services including forest management planning, timber appraisals, timber sales administration, tree-growth plans and safety training. Contact Chuck, Woodchuck Forestry, 827-3034. Serving forest landowners in Maine since 1976.

WILSON CENTER POSITION AVAILABLE

The Wilson Center, home of the Maine Christian Association, is an ecumenical Protestant campus ministry for the University community. IMME-DIATE opening for administrative assistant, 15 hrs/week, \$7/hr. Require Windows 95, WordPerfect, Quattro Pro, Quicken; ability to organize information and prepare reports; basic understanding of budget preparation, and ability to meet people easily. Target fill date: Dec. 1. Send resume to: Wilson Center Personnel Committee, 67College Ave., Orono, Maine 04473.

WANTED

HOUSE-SITTING POSITION: Full-time, 5-year Classified University employee seeking to housesit locally; or, to affordably rent a house, duplex, or private living space in a split level home. Excellent references. Desire to move closer to work, also to church and volunteer work in Bangor. Call 732-5322, leave message.

HOUSE-SITTING POSITION: Graduate student with life experience, home ownership experience, and 2 years as a resi-

dent director seeks house-sitting position for the 98/99 school year. References galore. Call 581-8746 or contact Kathryn McGloin on FirstClass.

MISCELLANEOUS

HOLIDAY BAZAAR: University College of Bangor, UCB College Center Ballroom, 9 a.m.-4 p.m. Craft sale, flea market, bake sale and raffle. Light lunches available. Clowns and games for kids. Light musical entertainment. Table rentals available by calling Kate, 581-6185, or Wayne, 581-6234. Proceeds benefit the Bangor Campus Scholarship Fund.

Positions Available

The qualifications within the listings below are greatly abbreviated. In order to assess your background relative to the job and to submit the most effective application, contact the hiring department for more complete information. To appear in the Maine Perspective, advertisements must be submitted to the Office of Equal Opportunity, 318 Alumni Hall, no later than noon on Wednesday. Guidelines for filling professional positions are available by contacting the Office of Equal Opportunity, x1226. A Request to Fill form must be approved before posting in Maine Perspective.

Programmer/Computing Specialist, Office of Student Financial Aid. Twelve-month position. Qualifications: Required: Bachelor's degree in a technical field, or extensive experience providing comparable background for the position with at least 5 years related work experience. Excellent written and verbal skills. Preferred: Master's degree and previous financial aid experience. Desired: Practical experience in two or more high-level programming languages, including NATURAL, as well as experience in the design, implementation and maintenance of LAN's (Local Area Networks) and maintenance of office hardware and Personal Computer software. Salary Range: \$26,500-\$32,000. Review of Applications: Will begin 11/20/97 and continue until position is filled. Start Date: Available 12/1/97. Contact: Submit letter of application, resume and three letters of reference to: Director of Student Financial Aid, University of Maine, 5781 Wingate Hall, Orono, ME 04469-5781.

Chief Financial Officer. Applications and nominations are invited for the position of Chief Financial Officer for the University of Maine. Qualifications: Minimum of a master's degree in a field such as business or finance (CPA or CFA beneficial). Extensive and successful experience in financial leadership of an organization of significant size and complexity. Strong organizational, communication and interpersonal skills, dynamic leadership skills, forecasting and analytical abilities, and evidence of a team-oriented approach. Knowledge of fiscal issues of an academic institution is beneficial. Review of Applications: Will begin 1/15/98 and will continue until the position is filled. Contact: Submit letter of application, complete resume and names, addresses, and telephone numbers of five references to: Rebecca Eilers, Dean, Chief Financial Officer Search, College of Liberal Arts and Sciences, University of Maine, 5774 Stevens Hall, Orono, ME 04469-5774. e-mail: reilers@maine.maine.edu

Director, TRIO Upward Bound Programs. Twelve-month, fiscal-year appointment. Director administers Classic Upward Bound and Upward Bound Regional Math-Science Center projects. Qualifications: Required: Master's degree in education, human services or related field; demonstrated success in education or social sciences program management, and administration; program design; public relations; budget management and working with disadvantaged youth. Preferred: Skills in technology, using spreadsheets and databases, and experience with target population or TRIO programs. Review of Applications: Will begin 12/1/97. Contact: Send cover letter, resume, names and phone numbers of three references to: Anne Pooler, Associate Dean, College of Education and Human Development, University of Maine, 5766 Shibbes Hall, Orono, ME 04469-5766. For more information and job description, call (207) 581-2435.

The University of Maine does not discriminate on the basis of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability or veteran status, and promotes affirmative action for women, minorities, persons with disabilities and veterans. Unless otherwise specified, the jobs are full-time and the address for the application information is: the contact person listed, department, University of Maine, Orono, ME 04469.

Capital Plan *continued from page 1*

midst of a feasibility study; Memorial Union Addition, architects are being interviewed in a month, with construction expected to begin by late summer; Library Addition/Major Renovation, overarching safety and accessibility projects begin within months; Darling Center dormitory/dining hall, approved by the Board of Trustees this month.

▼ New Construction and Renovation, also without conventional state funding – Alumni House (and subsequent replacement of College Avenue buildings); the Football Stadium and Field Upgrade; and Advanced Engineered Wood Composites Center. Not yet addressed is the need for a Natural History Museum, new Planetarium and Recreation Building.

▼ Renovations – Center Stevens Elevator and Classroom/Laboratory Improvement. Numerous renovation projects still remain unaddressed, including the top priority identified two years ago: Barrows Hall Accessibility.

▼ Infrastructure – Improvements have been made to the most critical sewer, electric and steam line problems; in-ground oil tanks have been removed per state mandate; and Mall improvements have been made.

This newest Capital Plan is being coordinated with the University's 10-year accreditation self-study. In regard to physical resources, accreditation requires an institution to have sufficient and appropriate laboratories, materials, equipment, buildings and grounds to meet its mission and purposes. An institution also must undertake physical resource planning to determine "the adequacy of existing physical resources and to identify and plan

SUMMER FACULTY RESEARCH FUND AWARD DEADLINE

REMINDER – The deadline for receipt of applications for the Summer Faculty Research Fund Award is 4:30 p.m., Dec. 17. (Late proposals are not accepted.) The Summer Faculty Research Fund Award provides \$5,000 awards for faculty summer salaries for a minimum of 1.5 months research effort. Approximately 11 awards are expected to be made. Purpose of these funds is to stimulate and assist individual members of the faculty to initiate or redirect research or studies of a scholarly nature. Eligibility is limited to full-time faculty. This includes tenured, tenure-eligible, and soft-money faculty for whom research is an expected component of their appointment. Contact Gayle Anderson, Research and Sponsored Programs, x1498, for application packages.

WINTER PARKING RULES IN EFFECT

The winter overnight parking ban is in effect through May 1. All parking areas are closed to overnight parking during this period every year. No vehicles may be parked in these lots midnight–6 a.m. For more information, call the Parking Office, 581-4047, or Public Safety, 581-4040. Vehicles parked in violation of the ban will be towed at owners' expense.

SURPLUS SALE: The University of Maine offers for sale, on an as-is where-is basis, the following: (1) HONDA 650 GENERATOR, gas powered, 6 amp, small and quiet, \$300; (2) APPLE IMAGEWRITER II PRINTERS, \$15, each; (1) MAC CLASSIC II, \$35; (1) MICROFICHE READER, XL-20, MR-2, \$50; (1) COMPUTER DESK, \$40; (2) RADIUS PIVOT MONITORS, 15", \$150 & \$200; (1) IBM PROPRINTER, dot matrix, \$20; (1) MAC IISI COMPUTER, no hard drive, \$40; (1) AIR CONDITIONER, G.E. window type, \$100; (1 set) TENNIS TAPE LINES, (clay court, doubles), with measuring tape, spikes and aluminum nails, \$25; (3) BASKETBALL RIMS, \$5.

Off campus inquiries are welcome. Items usually sell for the prices specified, however, lower offers are sometimes considered. For further information contact Ron Logan, Purchasing Dept., 581-2692. E-mail Logan@Maine.

the specified resolution of deferred maintenance needs.

Current campus planning will build off the most recent projects funded by the Nov. 4 passage of a bond issue in which \$3.25 million is earmarked for extensive, mandatory renovations in Fogler Library and Stevens Hall complex. The improvements are being made to bring the facilities into compliance with fire code regulations and the Americans with Disabilities Act.

In addition, some projects have been targeted for funding in the spring through a \$2.8 million University of Maine System bond: life safety and accessibility issues in Coburn Hall; deferred maintenance projects at Cutler Health Center, Fogler Library, Memorial Gym, Murray Hall, Lengyel Gym, Aroostook Farm and Winslow Hall; mitigation efforts to meet regulatory permitting requirements; and renovation and small construction projects at Facilities Management, Class of 1944 Hall, Hauck Auditorium and Boardman Hall.

Academic and research areas in particular are now asked to identify capital improvements that are needed beyond those to be addressed by the state or System bond issues. ▲

ANDREW W. MELLON FELLOWSHIPS IN HUMANISTIC STUDIES

Eighty Mellon Fellowships will be awarded to promising students in humanistic studies who will begin their Ph.D. programs in fall 1998. Eligible fields include American studies, art history, classics, comparative literature, cultural anthropology, English literature, foreign language and literature, history, history and philosophy of science, musicology, philosophy, political philosophy, and religious studies. The stipend for this one-year program will be \$14,000 plus tuition and mandated fees. Eligible students, either seniors or graduates of the last five years who have not begun graduate studies, must request applications by Dec. 8, and must submit completed applications by Dec. 31. Candidates must take the Graduate Record Examination General Test by Dec. 1. For brochures and additional information, contact Professor Michael Howard, Department of Philosophy, The Maples, 581-3861.

SURVEY OF WOMEN GRADUATE STUDENTS – FALL 1997

The President's Council on Women is collecting first-person accounts of experiences affecting women graduate students in the academic environment at the University of Maine. Researchers have shown that there is often a "chilly climate" for women in the classroom - that, for example, women are interrupted more often than men in discussions, that they are made uncomfortable by sexual or sexist humor in lectures and discussions. On the other hand, a positive experience can have a profound effect on a student. There is no set format for these accounts: we are interested in what has happened to you in the past and what is happening now, in accounts of interaction with faculty and with other students, in good and bad experiences, and how you feel they have affected you - in other words, in whatever you want to say about your experience at the University of Maine. We hope to compile and publish a group of statements that will bring the general question of "educational climate" to life through the experiences of particular students in this particular place.

Note: To protect privacy, any reference to specific people or departments will be eliminated in any future use of your submission.

PLEASE RETURN YOUR RESPONSE TO: The President's Council on Women, c/o President's Office, University of Maine, 200 Alumni Hall, Orono, ME 04469; or e-mail your response to the Co-Chairs of the President's Council on Women.

If you are on FirstClass, send your response to either: "Sandra Caron" or "Nancy Lewis" If you are not on FirstClass, address it to either: "Sandra_Caron@umit.maine.edu" or "Nancy_Lewis@umit.maine.edu"

For further information, feel free to call us directly: Sandra Caron 581-3138 or Nancy Lewis 581-3613.

National Science Foundation's Science and Technology Centers: Integrative Partnership Program supports innovation in the integration of research, education, and knowledge transfer. STCs have a unifying focus for education and research conducted by partnering institutions of several kinds. Range of awards: \$1.5M - \$4M per year. Letters of intent are due Jan. 6.

North Atlantic Treaty

Organization's new Science For Peace Program assists Partner countries in their transition to a market-oriented and environmentally sound economy by funding applied research and development conducted jointly by investigators from Partner and NATO countries. Projects must be relevant to industrial, environmental, or security problems. Next deadlines: Jan. 15, May 15.

Smithsonian Institution offers fellowships for 3-12 months of research in residence. Opportunities are available in folklore, anthropology, archaeometry, astrophysics and astronomy, earth sciences and paleobiology, evolutionary and systematic biology, history of science and technology, history of art, social and cultural history of the U.S., and animal behavior, ecology, and environmental science. Deadline: Jan. 15.

American Academy in Berlin, a new institute for advanced study and research, will offer Berlin Prize Fellowships for one- or two-semester residencies by American scholars and professionals. Fellows are expected to have a concurrent association with a Berlin museum, library, archive, university, film studio, media organization, or other institution. Deadline: Feb. 1.

Swedish Information Service makes Bicentennial Swedish-American Exchange Fund travel grants to U.S. citizens for two- to four-week study visits to Sweden. Most awards are for studies in business and industry, culture, education, human environment, mass media, politics, or public administration. Deadline: Feb. 6.

National Endowment for the Humanities will sponsor 14 Seminars and 11 Institutes in Summer 1998 for research, advanced study, and professional development of college and university teachers. Applicants with heavy undergraduate teaching loads have priority. Participants receive \$2,800 - \$3,700 for expenses, depending on the length of the program. Deadline: March 1.

For more information, call Research & Sponsored Programs, x1476.

BLACK BEAR FOOD GUILD AND ROGERS FARM

have produce for sale at the farm on Bennoch Road. Produce includes potatoes, dry beans, pie pumpkins and squash.

For more information, call Rogers Farm, 827-4695.

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

The Institutional Animal Care and Use Committee (IACUC) recently revised the Protocol Review Form used for requesting approval for the use of live vertebrate animals in research, teaching, and testing. Contact Gayle Anderson, Research and Sponsored Programs, x1498, to request copies of the new form. Old copies of the form should be discarded (the new copy has an October 1997 date on the last page). We are hoping to have the form available soon to download from the Office of Research and Sponsored Programs Website - <http://www.ume.maine.edu/~spd/index.html>

Look for UMaine's Master Calendar on FirstClass, the Web

The University of Maine Master Calendar can be located on the Web at: <http://www.ume.maine.edu/~paffairs/perspectiveweb/mastercalendar.html>. In addition, the Master Calendar is now available on FirstClass. It is found in two folders - News Stand and Campus Activities.

Register Now For ...

WINTER SESSION AT UMAINE

Earn 3 credits during semester break!

UMaine now offers courses in Anthropology, Education, English, Modern Languages & Classics, Nursing, Political Science, Psychology, Public Administration, Performing Arts, Resource Economics & Policy, and Wildlife Ecology between the fall and spring semesters.

**Registration Is Easy: Phone, Fax, E-Mail, Web Site
or Stop By the Continuing Education Division in
Chadbourne Hall**

For additional information contact:

Continuing Education Division, 122 Chadbourne Hall, Orono, ME
04469-5713; Telephone: 207-581-3142

Fax: 207-581-3141 • E-Mail: CEDSS@Maine.Maine.Edu

Web Site: <http://www.ume.maine.edu/~ced/lifelongtop.html>

What's Ahead

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**CHRISTMAS AT THE PAGE
FARM AND HOME MUSEUM**
December 2-3

THE CHERRY ORCHARD
December 5-7 and
December 11-14

**DEPARTMENT OF ART
FACULTY EXHIBITION**
December 5-January 21

CLASSES END
December 12

**DECEMBER
COMMENCEMENT**
December 13

University of Maine
Maine Perspective
Department of Public Affairs
5761 Keyo Public Affairs Building
Orono, Maine 04469-5761