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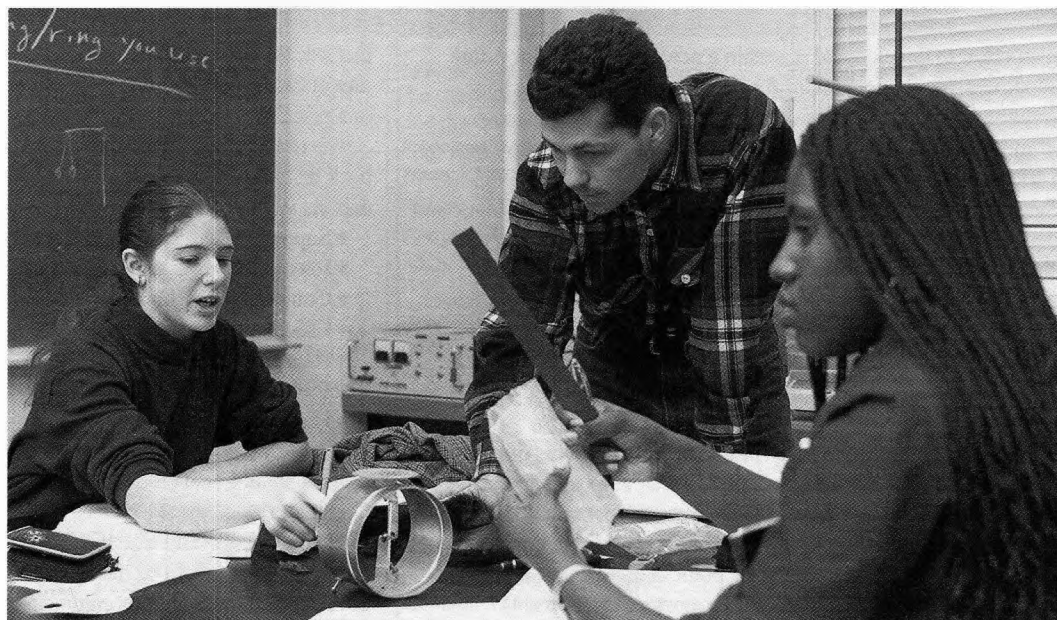
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Working in a Physics 122 lab with graduate teaching assistant Jan Fiala, center, are April Powers, left, a first-year student majoring in engineering physics, and mechanical engineering sophomore Ukeme Awakessien. Photo by Monty Rand

Quaternary Institute expands global climate research

The University of Maine Institute for Quaternary and Climate Studies is expanding the scope of its activities and putting an increased emphasis on climate research. Since the arrival last summer of Paul Mayewski and other scientists who specialize in polar science, the Institute has added a new ice core storage facility and the office of the Maine State climatologist.

"Climate has always been a key integrating feature of our work," says George Jacobson, director. "But last year, when Paul, Gordon Hamilton, Greg Zielinski and other researchers agreed to join what was then the Institute for Quaternary Studies, we changed our name to give greater visibility to this aspect."

Institute faculty and students have focused on Maine, but they also pursue answers to questions worldwide.

Mayewski, one of the world leaders in the field of ice core research, was recently named co-director of the Institute. In 1973, he worked with George Denton, UMaine geologist, as a post-doc before taking a position at the University of New Hampshire. While in Durham, he developed many of the techniques that are standard in ice core research today and established collaborations with scientists around the world. He also founded and directed the Climate Change Research Center at UNH.

"We have found people in Maine and at the University to be very welcoming. What we do complements the existing strengths at the University," says Mayewski. "The unique concentration of expertise in geology, computer science, marine studies and other fields will enable us to go in new directions."

The University also has excellent analytical capabil-

ities and staff support, he says. "For example, Mike Handley at the Mitchell Center is working with Sharon Sneed in IQCS on a new automated process to do the chemistry for our ice cores. It's hard enough to find the laboratory equipment you need, but it's rare to have the equipment and the highly skilled expertise to operate it. We have both."

The Institute now includes 22 faculty members from six departments: anthropology, geological sciences, biological sciences, history, computer science and marine sciences. The first of the non-agricultural organized research units on campus, it integrates researchers across departmental lines and enables faculty and students to share laboratory facilities. The stable isotope laboratory in the Sawyer Environmental Research Center and the ion chromatography lab in Bryand are managed directly by the Institute.

"Our research is very broad: paleoecology, archeology, glaciology, oceanography and other topics.

continued on page 15

In Perspective

- 2 Campus Planning Values
- 8 Teaching Tomorrow's Scientists
- 10 Native Research

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



New campus master planning process a step closer to reality

In an effort to develop and maintain a new master plan for future development, recommendations for campus planning values have been drafted for UMaine President Peter Hoff. In addition, six subcommittees are being formed to translate those planning values into criteria for evaluating planning decisions.

The 13-member Campus Planning Committee, chaired by Mark Anderson, has submitted the draft of a "foundation document" to the president that outlines substantive planning values that could form the basis of "a coherent and principle-based process for making decisions about the built and natural environments of the campus." Such a process, the committee says, will result in the creation and maintenance of a campus environment that reflects the values of the UMaine community.

"A lot of the committee's focus has been on the process of planning," says Anderson. "A lot of people want a campus plan that says these are the trees not to cut and this is where the next building should go. The committee thinks that is not the most productive approach because it is so static. There is no one point in time when we can figure out all the answers (about future campus development). Instead, what we can do is develop a process and the criteria that everyone agrees reflect the values of the University community and

that ask the important questions so that, whatever the next opportunity or challenge, we will have a durable system for making decisions in a principled manner."

The draft values statement was revised last month based on feedback from the campus community. The planning values recommendations include:

- ▼ Support for the University's tripartite mission
- ▼ Recognition of a sense of place
- ▼ Compatibility with neighbors
- ▼ Efficiency of operation
- ▼ Accessibility
- ▼ Environmental sustainability
- ▼ Historical sensitivity

In addition, the committee emphasized that the campus planning process should be well-defined, predictable and consistent, public and flexible.

"The process could take the form of a series of checklists in a manual, which would be the first reference for anyone proposing development or change on campus," Anderson says. "Such a manual would offer a step-by-step matrix to employ prior to bringing any proposal to a campus planning committee. Project updates and discussion of campus planning issues would be ongoing at monthly public meetings of such a committee."

Some people on campus have voiced concern that this Campus Planning Committee is not yet acting as a review board for current campus development proposals, Anderson says. "We could say every proposal should now come to this committee for ad hoc approval based on the tastes and preferences of who is at the table making decisions that day. However, that seems to me to be irresponsible and not much different than the procedure we've had in the past. That would be the easy course, and we've decided not to take it."

It has taken the committee six months to draft the latest campus master planning values statement. Anderson predicts it will take

continued on page 15

First Maine Poetry & Story Exchange scheduled on campus

"Farflung as we are in Maine, separated by hours and long spaces," begins the printed announcement and invitation to the first Maine Poetry & Story Exchange, "we find our fellow writers most often in their printed words, maybe in cyberspace, sometimes in passing on our way to somewhere else. Too seldom do we find occasion to gather under one roof . . . , share our words, our work, face to face . . . , feel the energy and spiritual renewal of that kind of unscripted, unhurried collaboration. We think the time has come to do just that, together."

And so they will.

Writers, storytellers, publishers, teachers and students from throughout the state will converge on the University campus April 27-28 to share their work, their thoughts on a variety of subjects, and one another's company as part of a highly collaborative event, co-hosted by the UMaine English Department, the National Poetry Foundation (NPF), and SpiritWords Poetries Collaborative, a Maine writers' group based in Bucksport.

"The responses to our invitation have been amazingly warm, enthusiastic, and almost grateful in tone," says Jim Bishop, a lecturer in English and special projects coordinator for NPF, who is coordinating this event. "We have actually had some writers who will not be able to attend send small donations to help support the event. It seems we are touching some kind of felt need on the part of writers from around the state.

"I sense people are also responding to the specific invitation to be co-creators of the event, to help create a shape for it in what they choose to share – to exchange. We want this event to belong to them, to reflect them, particularly those writers from the state who are committed to their craft but who may not have received the recognition of some of the more anthologized Maine voices."

To date, registrants range in age from an 11-year-old poet to life-long writers in their 80's from a wide geographic cross-section of the

continued on page 15

MAINE PERSPECTIVE PUBLISHING SCHEDULE

Publication dates and deadlines for spring issues of *Maine Perspective*:
April 23 (copy deadline April 13); May 7 (copy deadline April 27).

MAINE Perspective

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MAINE Calendar

<http://calendar.umaine.edu>

All events are free and open to the public, unless 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:

The University of Maine
Master Calendar, Public Affairs.

For the most up-to-date
calendar listings, see

<http://calendar.umaine.edu>
or call 581-3745.

APRIL 13 - 27

13 Friday

"Initiating the Dialogue: Research Ethics in Indian Country," a two-day research symposium, offered by Native American Studies, 8:30 a.m.-4 p.m., April 13, Soderberg Center, Jenness Hall. x1417.

"Episodic Sea-Level Rise Events During the Past 18,000 Years: Their Impact On Coastal Evolution and Lessons for the Future," by Robert Thieler, research geologist, U.S. Geological Survey Coastal and Marine Geology Program, Woods Hole, part of the School of Marine Sciences Seminar Series, 11 a.m.-noon, April 13, 100 Bryand Global Sciences Center. x4381.

Good Friday: The Good Friday Space, part of Holy Week at the Newman Center, noon-1 p.m., April 13, Newman Center. 866-2155.

"Folklore of French Newfoundland," by Jamie Moreira, part of the Franco-American Studies Brown Bag Luncheon Series, 12:15-1 p.m., April 13, FFA Room, Union. x3791.

"Evaluation of the Microbiological Quality and Safety of Maine Wild Blueberries," by Russell Hazen, candidate for graduate degree in food science and human nutrition, 1:10 p.m., April 13, 114 Merrill Hall.

"Molecular Recognition from Small Molecules to Proteins," by Brian Liton, Department of Chemistry, Bowdoin College, a Department of Chemistry Colloquium, 2 p.m., April 13, 316 Aubert Hall. x1169.

Softball: UMaine vs. Hartford, 2 p.m., April 13. xBEAR.

"Strategies for Handling Spatial Uncertainty Due to Control," by Thomas Windholz, candidate for Ph.D. in spatial information science and engineering, 2 p.m., April 13, 326 Boardman Hall.

Good Friday: Stations of the Cross, part of Holy Week at the Newman Center, 3 p.m., April 13, St. Mary's Church, Main Street, Orono. 866-2155.

"Modeling Structure and Function in a Sensory System," by Sharon Crook, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., April 13, 102 Murray Hall. x2970.

Baseball: UMaine vs. Delaware, 4 p.m., April 13, Mahaney Diamond. Admission Fee. xBEAR.

International Coffee Hour, offered by the International Student Association and the Office of International Programs, 4-5 p.m., April 13, Bangor Lounge, Union. x2905.

"Destination Mars: Mission to the Red Planet," a Planetarium show for ages 9-adult, 7 p.m., April 13, Wingate Hall. Admission Fee. x1341.

Good Friday: The Liturgy of the Lord's Passion and Death, part of Holy Week at the Newman Center, 7:30 p.m., April 13, St. Mary's Church, Main Street, Orono. 866-2155.

14 Saturday

Building Bombproof Climbing Anchors, a Maine Bound program, April 14. Admission Fee. Registration required. x1794.

Spring Creeking for Kayakers, a Maine Bound program, April 14. Admission Fee. Registration required. x1794.

15th Annual Easter Egg Hunt, for children preschool to third grade, offered by University Credit Union and Orono Recreation Department, 10 a.m., April 14, Asa Adams School, Orono. x1458.

Softball: UMaine vs. Hartford, 11 a.m., April 14. xBEAR.

Baseball: UMaine vs. Delaware, noon, April 14, Mahaney Diamond. Admission Fee. xBEAR.

Holy Saturday: The Easter Vigil, part of Holy Week at the Newman Center, 8:15 p.m., April 14, Newman Center. 866-2155.

15 Sunday

Learning to Lead Sport Climbs, a Maine Bound program, April 15. Admission Fee. Registration required. x1794.

Women's Sea Kayak Day Tour, a Maine Bound program, April 15. Admission Fee. Registration required. x1794.

Easter Sunday: Celebration of the Lord's Resurrection, part of Holy Week at the Newman Center, 10 a.m. and 6:15 p.m., April 15, Newman Center. 866-2155.

16 Monday

GLBT Pride Week, April 16-21.

Climbing Partner Rescue, a Maine Bound program, April 16. Admission Fee. Registration required. x1794.

The University of Maine Open House, for prospective students and their parents, offered by the Office of Admissions, 8 a.m.-12:15 p.m., April 16, Maine Center for the Arts. x1561.

Spring "YAK" Youth Adventure Klub, offered by Maine Bound for ages 9-12, April 16. Admission Fee. Registration required. x1794.

Presentation by Tony Diamond, Forestry and Environmental Management, University of New Brunswick, part of the Wildlife Ecology Noontime Seminar Series, noon, April 16, 204 Nutting Hall. x2862.

Building a Web Component for Your Course the Easy Way with WebCT, a Faculty Technology Workshop, 2:30 p.m., April 16, 108 East Annex. Register by calling x1925.

17 Tuesday

Access Forms, an IT workshop, 9-10:50 a.m., April 17, 215 Little Hall. Reservations required. x1638.

"Four-Legged Friend or Member of the Family? How Pet Ownership Influences Quality of Life," by Chantelle Haltizer, candidate for master's degree in human development, 10 a.m., April 17, 203 Nutting Hall.

FrontPage II, a Fogler Library workshop, 1-3 p.m., April 17, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

"Teaching in an Intercultural Classroom," a workshop for teaching assistants, presented by James Leck, Angel Martinez Loreda, and Zornitsa Keremidchieva, offered by the Center for Teaching Excellence, 1-3 p.m., April 17, Bangor Lounge, Union. Registration required. x3472.

Building a Web Component for Your Course the Easy Way with Blackboard, a Faculty Technology Workshop, 2:30 p.m., April 17, 108 East Annex. Registration required. x1925.

Baseball: UMaine vs. Bowdoin, 6 p.m., April 17. Admission Fee. xBEAR.

GLBTQ: Coffee Talk, 7-8:30 p.m., April 17, 207 Little Hall. x1793.

Chamber Music Recital, part of the School of Performing Arts season, 7:30 p.m., April 17, Minsky Recital Hall. Admission Fee. x1755.

Coffee House: Open Mike Night, 8-10 p.m., April 17, Bangor Lounges, Union. x1793.

18 Wednesday

FastLane, a Fogler Library workshop, 10 a.m.-noon, April 18, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

"Gendering Sexual Identities: Community Voices and Scientific Discourses," by Sarah Wilcox, teaching fellow, sociology, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., April 18, Bangor Lounge, Union. x1228.

"The Foraging and Habitat Ecology of Black Terns in Maine," by Andrew Gilbert, candidate for master's degree in wildlife ecology, 1 p.m., April 18, 203 Nutting Hall.

"Learning Large: Strategies for Teachers of Large Classes," a panel presentation with Michele Alexander, Seanna Annis, Sandra Caron, Ginny Gibson, Dorothy Klimis-Zacas, Eileen Moskey and Christa Schwintzer; offered by the Center for Teaching Excellence, 2:10-3:30 p.m., April 18, 218 Corbett Business Building. Registration required. x3472.

Preparing Images for the Web with Fireworks, a Faculty Technology Workshop, 2:30 p.m., April 18, 108 East Annex. Registration required. x1925.

Poetry Reading and Discussion with Robert Creeley, 3 p.m., April 18, Special Collections, Fogler Library. x1666.

History Symposium by John Walter, part of the History Department Symposia Series, 3:15 p.m., April 18, 100, Neville Hall. x1908.

Baseball: UMaine vs. Colby, 6 p.m., April 18. Admission Fee. xBEAR.

Alternative Spring Break Presentations, by the students who volunteered at this year's four sites, 7 p.m., April 18, 101 Neville Hall. x4194.

The Adventure of Priscilla: Queen of the Desert, part of the Cinematique film series, 7-9 p.m., April 18, Devino Auditorium, Corbett Business Building. Admission Fee. x1793.

Navigating with GPS, Learn About GPS, 7-9 p.m., April 18, Bangor Lounge, Union. x1794.

Taking Steps, a play by Alan Ayckbourn, a Maine Masque production, part of the School of Performing Arts season, 7:30 p.m., April 18, Hauck Auditorium. Admission Fee. x1755.

19 Thursday

Film: Long Night's Journey Into Day, offered by Peace Studies, 3:30-6 p.m., April 19, Bangor Lounge, Union. x2609.

PageMaker II, a Fogler Library workshop, 9-11 a.m., April 19, Fogler Library Computer Classroom. x1696.

"Drum and Song of the African New World with Michael Wingfield," a Hudson Museum program for children ages 8 and up, 10-11 a.m., April 19, Hudson Museum. Admission Fee. x1901.

"The School of the Americas and Death Squads of Latin America," by Russ Christensen, former INS judge and political activist, part of the Socialist and Marxist Studies Luncheon Series, 12:30-1:45 p.m., April 19, Levinson Room, The Maples. x3860.

Geographic Information Systems (GIS) for Everybody, a Fogler Library workshop, 1-2:30 p.m., April 19, Fogler Library Computer Classroom. Registration required. x1696.

"Cisplatin: From DNA Damage to Curing Cancer," by Stephen Lippard, chair and the Arthur Amos Noyes Professor, Department of Chemistry, MIT, a Staples Distinguished Lecture in Biochemistry, 2 p.m., April 19, 101 Neville Hall. x2815.

PowerPoint - A Simple Tool to Build Impressive Presentations for Your Class or Conference, a Faculty Technology Workshop, 2:30 p.m., April 19, 108 East Annex. Registration required. x1925.

Poetry Reading by Constance Hunting and Jennifer Moxley, part of the New Writing Series, 4:30 p.m., April 19, Soderberg Center, Jenness Hall. x3822.

Performance by the Symphonic and Concert Bands, part of the School of Performing Arts season, 7:30 p.m., April 19, Minsky Recital Hall, Class of 1944 Hall. Admission Fee. x1755 Box office.

Taking Steps, a play by Alan Ayckbourn, a Maine Masque production, part of the School of Performing Arts season, 7:30 p.m., April 19, Hauck Auditorium. Admission Fee. x1755.

20 Friday

Registration for Fall Classes Ends, April 20.

"Gender and Student Evaluations," by clinical/social psychologist Susan Basow, offered by the Center for Teaching Excellence and Office of Equal Opportunity, 10-11:30 a.m., April 20, Soderberg Center, Jenness Hall. x3472.

Quantitative Literacy in the College Curriculum, a workshop highlighted by talks by Judy Moran, director of the Math Center, Trinity College, and Don Small, West Point, offered by the Department of Mathematics and Statistics, 10:30 a.m.-4 p.m., April 20, Soderberg Center, Jenness Hall. x3901.

"Life History Consequences of Environmental Stress," by Courtney Richmond, Estuarine Research Center, Academy of Natural Sciences, part of the School of Marine Sciences Seminar Series, 11 a.m.-noon, April 20, 100 Bryand Global Sciences Center. x4381.

Si je comprends biens, a film by Ben Levine, part of the Franco-American Studies Brown Bag Luncheon Series, 12:15-1 p.m., April 20, FFA Room, Union. x3791.

"Digitizing, Editing and Web Publishing of Films for Your Course with iMovie," a Faculty Technology Workshop, 2:30 p.m., April 20, 108 East Annex. Registration required. x1925.

Gender and Student Evaluations, by clinical/social psychologist Susan Basow, offered by the Center for Teaching Excellence and Office of Equal Opportunity, 2:30-4 p.m., April 20, Soderberg Center, Jenness Hall. x3472.

"Myers-Briggs Type Indicator - A Tool For Effective Leadership," part of the Friday Forum series, 3-5 p.m., April 20, Hole In The Wall, Union. x1793.

"The Evolution of Self-Compatibility with Data from a Tropical Solanaceous Shrub," by Judith Stone, Department of Biology, Colby College, part of the Department of Biological Sciences Seminar Series, 3:10 p.m., April 20, 102 Murray Hall. x2970.

Third Annual Distance Education Advisory Committee Faculty Forum, featuring presentations by DEAC grant recipients on their Web work and the distance delivery of their courses, 3:30-6 p.m., April 20, Soderberg Center, Jenness Hall. Registration required. x3072.

International Coffee Hour, offered by the International Student Association and the Office of International Programs, 4-5 p.m., April 20, Bangor Lounge, Union. x2905.

Opening Reception for Department of Art Student Exhibition, offered by the Museum of Art, 5-7 p.m., April 20, Carnegie Hall. x3255.

"Destination Mars: Mission to the Red Planet," a Planetarium show for ages 9-adult, 7 p.m., April 20, Wingate Hall. Admission Fee. x1341.

Ongoing Events

Exhibits/Demonstrations/Tours

Department of Art Student Exhibition, a Museum of Art exhibit, April 20-May 11, Carnegie Hall. x3255.

Ustamdan Ogrendim, "I Learned From My Master"; Traditional Turkish Occupations, a Hudson Museum exhibit of photographs and objects, through June 3, Maine Center for the Arts. x1901.

Entertainment

Taking Steps, by Alan Ayckbourn, a Maine Masque production, 7:30 p.m., April 18-21; 2 p.m., April 21-22, Hauck Auditorium. Admission Fee. x1755.

Meetings of Groups/Organizations

Circle K, meets every Monday. 6:30 p.m., Bangor Lounge. Union.

Fellowship Meal, 5:30 p.m., every Thursday, Wilson Center. 866-4227.

Foreign Language Tables. Monday - French; Tuesday - Russian; Wednesday - German; Thursday - Spanish; Friday - Irish, 207 Little Hall. x2073.

Gay/Lesbian/Bisexual/Transgender/Questioning Discussion Group, meets every Monday, 6 p.m., Old Town Room, Union. x1793.

Maine Peace Action Committee (MPAC), meets every Monday, 3:30-5 p.m., Maples Building.

Muslim Prayer, noon-2 p.m., every Friday, Drummond Chapel, Union. x1793.

Wednesday Prayer and Meditation, 1-2 p.m., offered by the Wilson Center, Drummond Chapel, Union. 866-4227.

Taking Steps, a play by Alan Ayckbourn, a Maine Masque production, part of the School of Performing Arts season, 7:30 p.m., April 20, Hauck Auditorium. Admission Fee. x1755.

Performance by Comedian Retta, 8-10 p.m., April 20, Wells Conference Center. Admission Fee. x1734.

21 Saturday

Longest Wheelchair Basketball Game, a benefit for Maine Adaptive Sports and Recreation, part of UMaine's observance of National Youth Service Day and Disabilities Awareness Days, 8 a.m.-8 p.m., April 21, Field House. x4194.

The Beautiful Project, a daylong event to celebrate and empower women; workshops from 10 a.m.-5 p.m.; music from 6-10 p.m., 10 a.m.-10 p.m., April 21, Corbett Business Building. x1510.

Baseball: UMaine vs. Towson, noon, April 21. Admission Fee. xBEAR.

Taking Steps, a play by Alan Ayckbourn, a Maine Masque production, part of the School of Performing Arts season, 2 p.m., April 21, Hauck Auditorium. Admission Fee. x1755.

Performance by Athena Consort, part of the School of Performing Arts season, 7:30 p.m., April 21, Minsky Recital Hall. Admission Fee. x1755.

Taking Steps, a play by Alan Ayckbourn, a Maine Masque production, part of the School of Performing Arts season, 7:30 p.m., April 21, Hauck Auditorium. Admission Fee. x1755.

22 Sunday

Baseball: UMaine vs. Towson, noon, April 22. Admission Fee. xBEAR.

"Our Sky Family: The Friendly Solar System", a Planetarium show for ages 4-8, 2 p.m., April 22, Wingate Hall. Admission Fee. x1341.

Taking Steps, a play by Alan Ayckbourn, a Maine Masque production, part of the School of Performing Arts season, 2 p.m., April 22, Hauck Auditorium. Admission Fee. x1755.

Bangor Symphony Orchestra Concert, 3 p.m., April 22, Hutchins Concert Hall, Maine Center for the Arts. Admission Fee. 942-5555. Concert preview by David Klocko, 2 p.m., Minsky Recital Hall.

23 Monday

Transfer Day, open house/orientation for confirmed and prospective transfer students, 8 a.m.-3 p.m., April 23, Maine Center for the Arts. x1561.

"An Overview of the Lynx Field Project," by Craig McLaughlin, part of the Wildlife Ecology Noontime Seminar Series, noon, April 23, 204 Nutting Hall. x2862.

Scanning Images and Text, a Faculty Technology Workshop, 2:30 p.m., April 23, 108 East Annex. Registration required. x1925.

"Technical and Scientific Writing," by Leslie Perelman, director of Writing Across the Curriculum, Program in Writing and Humanistic Studies at Massachusetts Institute of Technology, offered by the Academic Computing Advisory Committee and the Center for Teaching Excellence as a part of the Teaching and Technology Speaker Series, 3 p.m., April 23, Soderberg Center, Jenness Hall. x3472.

24 Sunday

VALIC Group Meeting for Employees, by Jane Brann, retirement planning specialist, 11 a.m.-3 p.m., April 24, 220 Corbett Hall.

FastLane, a Fogler Library workshop, 3 p.m., April 24, Fogler Library Computer Classroom. Admission Fee. Registration required. x1696.

GLBTQ: Coffee Talk, 7-8:30 p.m., April 24, 207 Little Hall. x1793.

Coffee House: Kim & Beth Acoustic Music, 8-10 p.m., April 24, Union. x1793.

25 Wednesday

"GM (Genetically Modified) Foods: Safe? Ethical?" a panel discussion offered by Peace Studies, 3:30-5 p.m., April 25, Devino Auditorium, Corbett Business Building. x2609.

"Feasting Our Eyes: Food Films, Gender and American Identity," by Laura Lindenfeld Sher, part of the Women in the Curriculum Lunch Series, 12:15-1:30 p.m., April 25, Bangor Lounge, Union. x1228.

President's Open Office Hour, 2-3 p.m., April 25, President's Office, Alumni Hall. x1512.

Faculty Senate Meeting, 3:15 p.m., April 25, Mahogany Room, Wells Conference Center. x1167.

Look Who's On Campus



Clinical/social psychologist **SUSAN BASOW**, who has a special interest in the psychology of gender, will speak on "Gender and Student Evaluations" in two lectures Friday April 20, at 10 a.m., Soderberg Center, Jenness Hall, and 2:30 p.m., Mahogany Room, Wells Conference Center. Basow chairs the Psychology Department at Lafayette College and is Visiting Professor of Psychology at the University of California - Santa Cruz. She has conducted research on the effects of gender on people's perceptions of others, especially in such evaluative contexts as student ratings of professors. In particular, Basow has examined gender stereotyping in the classroom, and the influence of gender on the evaluations of female faculty in science and engineering disciplines. She is working on the fourth edition of her popular text, *Gender: Stereotypes and Roles*.

LESLIE PERELMAN, director of Writing Across the Curriculum in MIT's Program in Writing and Humanistic Studies, will lecture on technical and scientific writing at 3 p.m. Monday, April 23, Soderberg Center, Jenness Hall. Perelman is the primary author of the first hypertext technical writing handbook, *The Mayfield Guide to Technical and Scientific Writing*, and has published articles on technical communication, computers and writing, the history of rhetoric, sociolinguistic theory, and medieval literature. He has also written both end-user and technical computer documentation.

UMaine's 2001 Philosophy Visiting Scholar **DENNIS PATTERSON** will be on campus April 25-26. Patterson, a distinguished professor at Rutgers University Law School, will speak at 4 p.m., Thursday, April 26, Levinson Room, The Maples, on "Objectivity in Law." Patterson specializes in commercial law and legal philosophy. He is the author of several books on the subject, including *Law and Truth*, *Blackwell Companion to the Philosophy of Law and Legal Theory*, and *Introduction to the Philosophy of Law*, co-authored with UMaine Professor of Philosophy Jeff White. Patterson, who received his Ph.D. and law degrees from the State University of New York at Buffalo, was an attorney in Portland and Brunswick in the '80s. He did his judicial clerkship in Maine's Supreme Judicial Court with Chief Justice Vincent McKusick.

"Case Studies in Child Development: Implications for Nurses as Early Interventionists," by Pam Caron, candidate for graduate degree in nursing, 4 p.m., April 25, Dunn Hall. x2592.

God Said HA! part of the Cinematique film series, 7-9 p.m., April 25, Devino Auditorium, Corbett Business Building. Admission Fee. x1793.

3 Doors Down Concert, with special guests Shades Apart, for ages 18 and over, 8 p.m., April 25, Concert Park. Admission Fee. x1701.

26 Thursday

Disabilities Awareness Days Panel Discussion, by UMaine students with disabilities talking about their experiences as members of the campus community, part of Disabilities Awareness Days, 12:30-1 p.m., April 26, 311 Shibbes Hall. x2319.

"Leftist Perspectives on the 2000 Presidential Election," by Doug Allen, part of the Socialist and Marxist Studies Luncheon Series,

12:30-1:45 p.m., April 26, Bodwell Lounge, Maine Center for the Arts. x3860.

Cross-Cultural Conversations, offered by Peace Studies and Multicultural Programs, 3:30-5 p.m., April 26, 205 East Annex. x2609.

"Objectivity in Law," by Dennis Patterson, Rutgers University Law School and UMaine's Philosophy Visiting Scholar, 4 p.m., April 26, Levinson Room, The Maples. x3860.

Poetry Reading by Kevin Davies, part of the New Writing Series, 4:30 p.m., April 26, Soderberg Center, Jenness Hall. x3822.

Softball: UMaine vs. Bowdoin, 4:30 p.m., April 26. xBEAR.

VOICE Annual Appreciation Night, 6-7 p.m., April 26, Bodwell Lounge, Maine Center for the Arts. x4194.

27 Friday

Bumstock, April 27, Concert Park. Admission Fee. x1701.

Maine Poetry & Story Exchange, April 27, Jenness Hall. x3822.

People in Perspective

Jennifer Ladd-Leonard plans to be a middle school guidance counselor when she completes her master's degree at the University of Maine. She made that decision after realizing the difference such mentors can make in the lives of youths, and after recognizing some of the important lessons she missed as a preadolescent.

Her aspirations also are in keeping with her sense of social justice and her commitment to advocacy.

"As a guidance counselor, I want to provide students with awareness and the interaction they need to realize that there's a vibrant world (of learning experiences) outside their communities and schools," says Ladd-Leonard. "It's knowing something could be sparked in them if only they were given the right opportunities."

Ladd-Leonard, the oldest of eight children, was born in Boston and moved to Milo with her family when she was in middle school. For Ladd-Leonard, the preadolescent years were even more tumultuous than usual.

"It was a major time of transition going to a new middle school," she remembers. "Moving to a rural area, I lost so many cultural connections that I had in Boston. I had a guidance counselor who told me I should be a secretary and have kids, but I knew I didn't want to do that. My family was economically disadvantaged, and I knew the cycle had to be broken with me. I wanted to find people who would support me (in achieving my goals)."

As a high school student, Ladd-Leonard found the support – and the spark – she was looking for at the University of Maine.

"The turning point came in Upward Bound," says Ladd-Leonard, talking about the UMaine program that assists students from disadvantaged backgrounds to succeed in higher education. "Spending six weeks on campus that first summer, I met so many people, including those with interests like mine."

Ladd-Leonard thrived in the integrated, holistic intervention program that incorporates a six-week residential, academic summer experience and year-round, intensive support services. For three summers, she took classes and did a work placement in the Department of Public Affairs through Upward Bound.

Then, as a first-generation college student, Ladd-Leonard majored in public administration, inspired by the importance of outreach and the role of non-profit organizations.

For Ladd-Leonard, opportunities away from home meant that her community benefitted when she returned.

"I have always volunteered in my community," says Ladd-Leonard, who received a bachelor's degree in 1993. "When I graduated, I went home and worked at the local YMCA and a middle school. I loved both jobs. At the school, I worked with students and my former principal. At the Y, I worked with youths outside the school atmosphere. I also taught computer classes through adult education."

In one adult education program, Ladd-Leonard worked with teenage mothers. She saw in them the struggles of youth, the burden of adult responsibilities, and the stigma of poverty and welfare. She



Jennifer Ladd-Leonard

Photo by Monty Rand

also recognized her need to learn more in order to help others.

"I realized I needed more skills in working with all the people with whom I was interacting," Ladd-Leonard says. "I needed to help them learn not just about writing resumes but about what was going on in their lives."

"I knew if I could work in the schools and affect parents, they, in turn, could affect the community. And that would be one way for me to be an advocate and have the satisfaction that I'm doing something to build the community."

In 1999, Ladd-Leonard returned to UMaine to begin graduate work in counselor education. She also took a part-time job as administrative assistant I in the Women's Resource Center. The position allows Ladd-Leonard to "be

involved" in the campus community, and to apply her professional skills in advocating for girls and women.

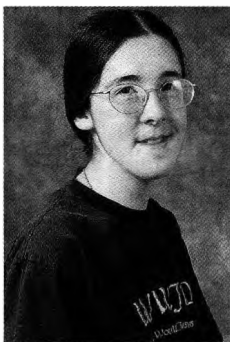
"Through the years, I have worked with so many women, including those on welfare. Yet growing up with five brothers, I always was taking care of them instead of myself. This relationship with the Women's Resource Center is not only inspiring but therapeutic for me," says Ladd-Leonard. "I learn more every day about being an adult ally, especially for girls like those participating in Women's Resource Center Programs like Expanding Your Horizons and Math 4 Me."

"I want their journeys to be a little more equitable (than mine was), and I want them to know that gender equity is available in all they do."

Whether helping coordinate or orchestrate such campuswide events that link middle and high school girls with women mentors in math and science, Ladd-Leonard acts as a role model and someone who's "been there." She wants the girls to know there are support systems in this and other communities so they don't have to feel that they "have to go it alone." It's also important, she says, that girls "not lose their voices," that they find and retain their identities, and that they understand there are "options and opportunities" for them.

"I've had so many mentors in my life and I've been so lucky. Being a poor girl growing up, a lot of doors wouldn't have been opened for me if I hadn't moved to Maine and connected with certain teachers, my (middle school) principal and Upward Bound opportunities. Those are opportunities that should be available to every child."

"For me, the University of Maine has been a great place to grow and start anew," Ladd-Leonard says.



Kylie Gates

Love of learning

Kylie Gates has prepared most of her life for a career in education by studying her teachers.

"When I started thinking about education, I had an awesome third grade teacher," says Gates, a UMaine junior and valedictorian of Houlton High School. "I was picked on by a classmate and this teacher tried to (inter-vene) by finding ways the rest of us could help the class bully. The teacher put me in

the role of a mother hen, and I got a taste of what it's like to help students in a classroom.

"From that experience, I learned not to judge people. Everybody can learn if given the chance."

As the oldest of four children, ages 21 to 6, Gates says she has a lot of experience working with young people and "helping them learn to understand." She began honing her own teaching style as a peer tutor in high school.

Gates says her father, an accountant, and her mother encouraged all academics. But mathematics is what Gates has loved since elementary school. She was a member of her school's math team in junior high and in high school. "In the higher grades," she says, "I loved the challenge of struggling with a math problem and then having (the solution) surface," she says.

"My guidance counselor and teachers all said I had the grades to be a doctor or lawyer, that I could do so much more than be a teacher. But what I want to do is help educate others," says Gates.

In her last two years of high school, Gates was taking advanced French language courses when a new teacher joined the staff. Gates recognized the uneasiness the new teacher felt when trying to fit in at a new school. In turn, the teacher perceived a gifted young student who needed someone to believe in her. They helped each other.

"Because I knew education is what I wanted to do, I kept my eye on all my teachers to learn what worked and what didn't. I had done job shadowing and knew what new teachers have to go through," Gates says. "I would come in during study hall to help grade the French papers of the lower classes and (the new teacher and I would) talk. She accepted me for who I am. No one but her gave me a chance to be who I am.

"She cared enough to ask how I was doing each day. I gained an inside look at teaching, grading, lesson plans and interactions with students. She was an excellent teacher."

As the top student in her high school, Gates received a Top Scholar Award when she came to UMaine in 1998. After three years, the honors student has a 3.89 grade point average; she has straight A's in such coursework as Abstract Mathematics and Calculus I-III.

Among her most memorable teachers at UMaine has been Phyllis Brazee, who led Gates' second education class. "She reminded me of my high school French teacher," Gates says. "She was excited about teaching and learning. She connected with each of us, caring for us as people and not just as a class. She did a lot of interactive learning, which I believe in. Her attitude about education really inspired me."

Gates' activities outside of class include active participation in Campus Crusade for Christ. She was one of 20 UMaine students who spent spring break this March on a mission trip to Mexico.

In addition, since her second semester at UMaine, Gates has been a peer tutor in the Math Lab. "I start with something they can do to help prove to them that math is not that difficult," says Gates, who also

tutors local high school students. "Then I show them that, little by little, they can improve."

Gates will graduate in May 2002 with a double major in education and mathematics.

"I want to find a school system where I can stay for years," says Gates, who will enter the job market as one of the highly sought-after secondary education mathematics teachers. "I love learning; teaching is a full-time learning job. I look forward to having my own classroom, teaching and learning with the students." ▲

The pull of physics

Up until she was a high school senior, Katie VerPlanck of Winthrop was going to college to major in music. Then she took a physics course from UMaine alumnus Jim Guillemette.

"He was so excited about physics," VerPlanck remembers. "His experiments were a lot of fun. It was material that was challenging to me, which is why I'm doing it now."

VerPlanck is a junior in engineering physics. She came to UMaine from Gordon College in 1999.

"A small college is something I wanted," says VerPlanck. "I started out in the physics department in pre-engineering, but found I wanted a full engineering program. I transferred to UMaine for mechanical engineering and then tacked on engineering physics."

VerPlanck's academic focus is mechanical engineering. She recently started her senior project on embedded piezoelectric devices in curved surfaces, to perhaps be used someday to control vibrations in circular structures. In her research, VerPlanck is working with Associate Professor Vince Caccese and Assistant Professor Senthil Vel.

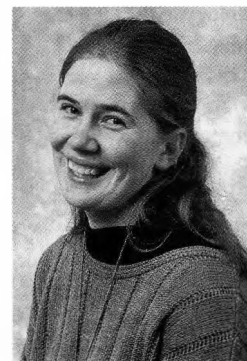
As a sophomore, VerPlanck wrote a paper on the teleportation of quantum pieces. Such early research dovetails into her never-ending interest to "see what's new in physics."

"What intrigues me about physics is that it's happening now," VerPlanck says. "Scientists have done big things with quantum physics and only in the last 100 years. This is an area where I can learn about what people are discovering now, rather than something figured out 500 years ago."

In addition to her interests in science and engineering, VerPlanck pursues learning opportunities outside the classroom. She has been an Onward tutor. As part of an internship program, VerPlanck worked with the Maine Department of Transportation in Augusta that involved flying around the state for airport safety inspections and filing reports. This past summer, she worked as an intern with a civil engineering firm in Falmouth.

Last semester, VerPlanck fulfilled a life-long dream by studying abroad for a semester in Ireland at the University of Limerick. "It's important to live in another culture," she says. "It gives you a different perspective on life and teaches you a lot about yourself."

Since being on campus, VerPlanck has been active in InterVarsity Christian Fellowship. That's where she met her husband-to-be Matthew Menchen, a chemical engineering major from Portland. Menchen graduates in May, and the couple will marry this summer. ▲



Katie VerPlanck

Teaching tomorrow's science

Rick Gordon hated fourth grade. He was always in trouble and he got bad grades.

Then came fifth grade. What a difference a good teacher made.

"Fourth grade was the worst of all my years of school. Fifth grade was the turn-around year for me," says Gordon, a Master's student in marine biology at the University of Maine. "That's when things really changed. I had one teacher who got me interested in learning."

Today as a marine biologist, Gordon is immersed in scientific research. As a National Science Foundation Graduate Teaching Fellow, Gordon also is teaching science to fourth and fifth graders at Lewis S. Libby School in Milford.

It is an opportunity for Gordon and 11 other NSF Teaching Fellows at UMaine to share their knowledge of and enthusiasm for science. For the students and their teachers in participating area public schools, the NSF program brings young scientists and basic research equipment into their classrooms to add muscle to their science curricula.

"It has been a good way to get our teachers involved in current staff development and real-time research in the classroom," says Kathy Jablonski, principal of Lewis Libby elementary. "The students are excited to have access to microscopes and specimens the University can offer that our budget doesn't allow. The teachers also have spent a lot of time with the NSF Fellows discussing what happens (in the classroom). It is a good marriage for us."

UMaine in the NSF Teaching Fellowship

The Teaching Fellows program was made possible by a three-year, \$1.3 million grant from the NSF. Students and faculty use the money to develop and conduct programs in four school districts near the University.

UMaine was one of 20 successful applicants out of the 157 colleges and universities nationwide that applied for the federal grant.

"We want to involve the best UMaine science students in working with teachers and their pupils," says Susan Brawley, UMaine professor in the School of Marine Sciences who coordinates the effort, along with Barbara Cole, Chemistry; Susan Hunter, Biological Sciences; Stephen Norton, Geology; and Michael Vayda, Biochemistry, Microbiology and Molecular Biology. "It's exciting to let these students, who are at the cutting edge of their disciplines, take their enthusiasm for science to our public school classrooms."

The program is a major NSF initiative designed to promote a lifelong interest and engagement in K-12 education by some of the nation's best graduate students. In remarks to Congress, NSF Director Rita Colwell noted that there is "no group of people that should feel more responsible for science and math education in this nation than our scientists and engineers and scientists- and engineers-to-be."

Among the program goals are improved learning opportunities for public school pupils, professional development activities for teachers, and strong partnerships between higher education and public schools.

The University's program is designed to improve science education by meeting some of the goals of Maine's Learning Results. The Learning Results, an educational policy passed by the Maine State Legislature in 1997, specifies what public school students are expected to know at each grade level in science and other subjects.

Working with the classroom teachers, the Fellows expand on curricula already taught in each school and provide teachers with access to new equipment and information. It does not replace existing science activities in the schools. UMaine graduate-level science students work with teachers and their pupils in a variety of subject areas, such as: Classifying Living Things, the Hydrological Cycle, and Forestry and Pulp and Paper Studies.

In this first year of the program, 10 UMaine graduate students and two undergrads were selected on the basis of their academic performance, their research and their demonstrated ability to communicate scientific concepts. Thirteen Fellows have been selected for the

coming academic year.

NSF has provided public school teachers and students with a unique opportunity, says Lewis Libby fourth grade teacher Monica Doing. "We get to work with real scientists – University faculty and student Fellows – the true experts in the field. Supplies and equipment we couldn't normally have are made available to us through this National Science Foundation grant. I especially appreciate the networking I am now doing with the University faculty. We also have meetings monthly and I get to talk with other area teachers."

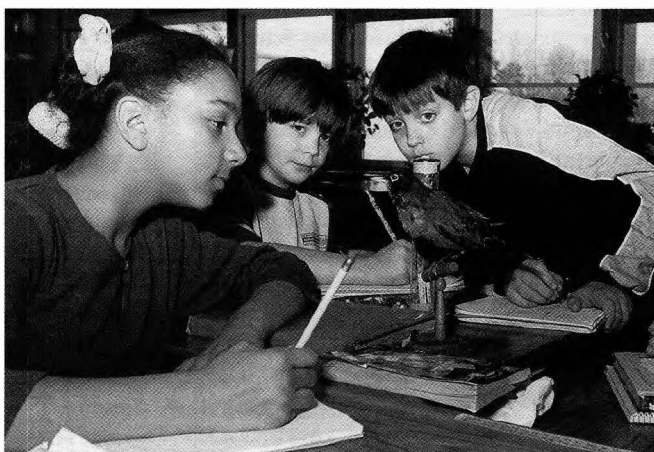
For love of science

Growing up in Seattle, Gordon was interested in marine biology. In 1997, he received a bachelor's degree in biology from the University of Washington. As an undergrad, he knew of Susan Brawley's research through her papers. He knew he was headed to graduate school to pursue scientific research. But Gordon also got interested in education while teaching for two years in an outreach science education program offered by the Chicago Academy of Sciences.

Even though he was still thinking of research as his career, he realized that his passion was teaching.

"Teaching is a lot of fun," he says. "It is constant dynamic interaction with kids. You get immediate feedback, good or bad. In research, feedback takes a lot longer."

"Marine biology gives you a good background for conveying the information. Most phyla are represented in marine systems. I want to teach science from this perspective because it's important for people to understand what's happening in the world around them. Despite living in a



Fourth graders at Lewis S. Libby School in Milford study birds as part of their survey of vertebrates, led by UMaine and Brandon Winchenbach, and (photo center) Nick LeVesque and Charlotte Lonko write their observations of differences between down and flight feathers.

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"Marine biology gives you a good background for conveying the information. Most phyla are represented in marine systems. I want to teach science from this perspective because it's important for people to understand what's happening in the world around them. Despite living in a

technical society in which people are bombarded with tons of information, there is a gap in people's understanding of themselves and the world."

Working with Brawley, Gordon is researching the effects of water motion on algal reproduction. He is interested in algae and their different life histories, how reproductive events structure intertidal ecosystems.

Gordon saw the NSF Teaching Fellows program as an opportunity to provide outreach education similar to what he helped offer to

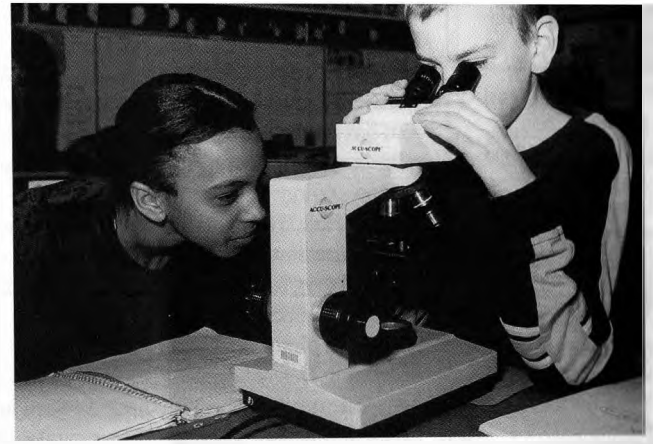
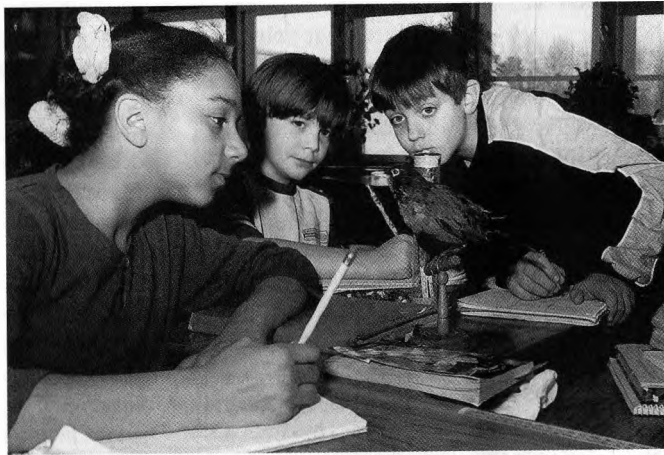
Chicago's inner city schools.

The biggest benefits are in working with the children and seeing them learn, he says. Teaching provides the opportunity to be creative in the classroom. Gordon collaborates with the classroom teachers, and seeks their feedback to improve his teaching skills. Lesson plans implemented in the science classes are developed by Teaching Fellows working with UMaine faculty.

One of the biggest challenges for Gordon and the other Teaching Fellows is in juggling their responsibilities as science teachers and students. Gordon takes advantage of "down time" between his science classes to catch up on his own reading. He schedules his graduate classes around the two days he teaches. And when the elementary school day concludes at 2 p.m., Gordon has the rest of the day (and night) to continue his research.



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Vesque and Charlotte Lonko write their observations of bird specimens, on loan from the Department of Biological Science



Fourth graders at Lewis S. Libby School in Milford study birds as part of their survey of vertebrates, led by UMaine graduate student and NSF Teaching Fellow Rick Gordon. In the photos, left to right, Donna Fonseca, D.J. Legere and Brandon Winchenbach, and (photo center) Nick LeVesque and Charlotte Lonko write their observations of bird specimens, on loan from the Department of Biological Sciences. Amber Hambelton and Brody Winn study the differences between down and flight feathers.

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Rick Gordon talks about the protective coloration of birds with, left to right, Brittany Pomfret, Zach Mansell and Jessica Neice.

Gordon is teaching two days a week this academic year in the fourth grade of Monica Doing and the fifth grade of Alyce Masters. "The students are good ages," he says, "because they can do quite a bit and they get interested quickly. My approach is to help the kids find their own answers to the questions they pose. I want them to learn science the way scientists learn science – by starting off with a question or hypothesis, then experimenting to improve understanding."

For example, in a fourth grade science class, Gordon helped students determine what plants need to grow by designing experiments so the youngsters could test their hypotheses. "They came up with the idea of establishing a negative control in the experiment, so I had to go and get more supplies (for the next class). I didn't think they'd think of that," Gordon says. "They can be pretty critical in their thinking."

Gordon's innovative teaching methods through demonstrations and hands-on experiments make him an excellent teacher – and role model, says Doing. "Mr. Gordon is highly respected by the kids," she says. "They look up to him because he's a real scientist."

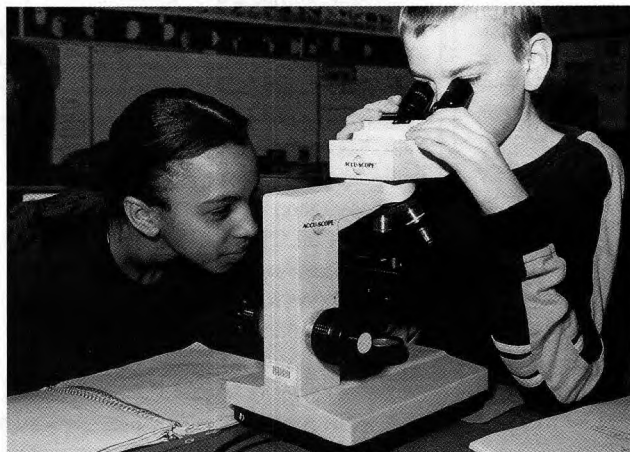
The big lessons

This year as an NSF Teaching Fellow has been a success "because I want to teach and this gives me experience," says Gordon. "While I've hated lugging out a full set of microscopes for some of the classes, the students love them because the scopes allow them to see things they haven't seen before. Such equipment also gives them a diverse learning experience."

"For the teachers, especially those in elementary schools, the program gives them ideas for teaching and access to resources. Ultimately, they learn more about science from us."

Gordon says there are many memorable moments from this year in the classroom. "Kids who have made observations without my guidance – that's memorable," he says. "One time I told the class we were going to collect data, and one kid asked, 'Isn't that data?' I then had to explain vowels and consonants, all the while trying to remember if I was correct. That led to a discussion about how people in different parts of the country speak differently."

"One of the biggest lessons I always learn from kids is a perspective, how the world looks to them. That's what can keep your perspective in check," Gordon says. "Young students always have a way of looking at the world with open eyes and being very inquisitive without pre-existing notions of the way things are supposed to be. And that's nice." ▲



student and NSF Teaching Fellow Rick Gordon. In the photos, left to right, Donna Fonseca, D.J. Legere and Brody Winn, on loan from the Department of Biological Sciences. Amber Hambelton and Brody Winn study the

The CUTTING EDGE

University of Maine Research on the Frontiers of Science

Disease resistance focus of zebrafish study

When we get an infection, the body mounts an immune defense with antibodies that recognize and destroy the invaders. However, the struggle doesn't always go our way.

Carol Kim, an assistant professor in the Department of Biochemistry, Microbiology and Molecular Biology, will use a \$147,000 National Institutes of Health grant to study another form of resistance known as innate immunity. Understanding its biochemistry may contribute to the development of new weapons in the fight against disease.

Kim will use the zebrafish facility in Hitchner Hall to delve into the biochemical details of what is called the Toll signaling pathway of resistance. "Toll receptors sit on the outside of the cell. When a pathogen binds to the receptor, a cascade of other reactions occurs inside the cell. The result is the production of antimicrobial peptides that are very efficient at killing the pathogen," says Kim.

French scientists first identified Toll receptors in fruit flies in the late 1980s. Their goal was to understand disease resistance in insects, which lack the ability to generate antibodies and yet are capable of strong resistance to infectious agents. Interest grew among medical researchers when similar receptors were identified in humans, mice, and then fish.

"When we see that something like this is so common, we know that it must be an ancient factor that has been conserved throughout evolutionary history," says Kim. It has also been observed that the Toll pathway plays a role in adaptive immunity, the ability to produce antibodies.

Zebrafish present researchers with important advantages for studying Toll receptors. The fish reproduce rapidly, enabling scientists to generate data in weeks that could take months or years with other species. Zebrafish embryos are transparent and ideal for observing development. In addition, a tool kit of well-established techniques exists for biochemical research. Reagents for cloning genes are already available, and the full zebrafish genome is scheduled to be sequenced in 2002.

Kim will work with Ph.D. student Con Sullivan and laboratory manager Mark Mellon to produce zebrafish in which genes involved in the Toll receptor pathway are "knocked down." "This is very different from the process in which genes are 'knocked out,'" she explains. "A knockout mouse has had a gene completely removed. The developmental abnormalities that result provide important clues about the function of that gene. When a knockdown animal is produced, the gene is still present, but its function has been blocked. The result is the same as if the gene were not there."

Kim and her team will produce knock down zebrafish and then expose the fish to infectious agents. It is expected that the fish will have less resistance to infection. ▲

Tasters Needed to Test Seafood Pasta

The Department of Food Science and Human Nutrition is conducting a taste test to determine the consumer acceptance of a new gourmet seafood pasta that incorporates crab mince into a fresh pasta formulation. The taste test will be conducted Thursday, April 19, noon-4 p.m., 208 Holmes Hall. Volunteers must be at least 18 years old, have no known seafood or gluten allergies, and consume pasta at least twice a year. Incentives will be provided. For more information, contact Barbara Gillman, 581-1635 (barbaragillman@hotmail.com).



Joe Kilch and Trevor Bean come to the aid of Brad Fillion in the Maine Masque production of *Taking Steps*, by Alan Ayckbourn, directed by UMaine graduate student Elaine DiFalco Daugherty. The show can be seen at 7:30 p.m., April 18-21; 2 p.m., April 21-22. Tickets are \$8 and available by calling the Maine Center for the Arts Box Office, 581-1755. Photo by Monty Rand

Symposium focused on strengthening research partnerships between University and Native communities

Developing stronger research partnerships between the University of Maine and Native American communities in the state is the goal of a two-day symposium, April 12-13, which is bringing to campus some of the nation's leading experts on the relationships between Indian communities and academia.

"Initiating the Dialogue: Research Ethics in Indian Country" will feature a series of presentations providing perspectives on how Native American communities across the country have worked with, and helped shape, academic research. The symposium is sponsored by Native American Studies at the University of Maine.

Among the researchers making presentations are: Donald Fixico, of the Shawnee, Sac and Fox, Creek, Seminole, a professor of history and director of the Indigenous Nations Studies Program at the University of Kansas who has written extensively about American Indian history; Duane Champagne of the Turtle Mountain Chippewa Band, a sociology professor at the University of California-Los Angeles, whose research focuses on contemporary American Indian society, self-determination and Native American studies; and Kenneth Morrison, a UMaine alumnus who received a Ph.D. Canadian-American history and who is an associate professor in the Department of Religious Studies at Arizona State University. Morrison wrote the monograph, *The Embattled Northeast: The Elusive Ideal of Alliance in Abenaki-Euroamerican Relations*. He also has published and presented extensively on Native American religions, Algonkian history in the Northeast, and religious studies.

Presentations begin at 9 a.m. each day in the Soderberg Center, Jenness Hall. They are free and open to the public.

"Non-native people have long been fascinated by American Indian people," says Maureen Smith, director of UMaine's Native American Studies Program and Diversity Across the Curriculum. "Such fascination has produced a wide array of articles, journals and books describing Native people, lives, culture and history.

"While much of the literature produced has been done in a respectful manner, there exists a cultural difference in what is considered appropriate use of knowledge. Such a cultural difference

continued on page 14

Katharina Prall, former Ph.D. student in Chemical Engineering; **Stephen Shaler**, professor of wood science and forest engineering, cooperating professor of chemical engineering, and assistant director of the Advanced Engineered Wood Composites Center; and **Pierre LePoutre**, professor emeritus of chemical engineering: "Pigmented Latex

Coatings: Microstructure and Viscoelastic Mechanical Properties," *Nordic Pulp and Paper Research Journal*, 15(5):564-71 (2000).

James Warhola, professor of political science: "Ethnicity, Modernization, and Regime Support in Russia's Regions Under Yeltsin," *Nationalism and Ethnic Politics*, 6(4):23-47 (Winter 2000).

Doug Allen, professor of philosophy: review of Bryan Rennie's *Reconstructing Eliade: Making Sense of Religion*, in *Zygon: Journal of Religion and Science*, 36 (1): 187-90 (March 2001).

Pete Doucette, Ph.D. candidate, and **Peggy Agouris**, assistant professor, both with the Department of Spatial Information Science and Engineering; **Anthony Stefanidis**, research assistant professor with NCGIA; and **Mohamad Musavi**, professor of Electrical Engineering: "Self-Organized Clustering for Road Extraction in Classified Imagery," *ISPRS Journal of Photogrammetry and Remote Sensing*, 55(5-6): 347-58 (December 2000).

Liuzhi Zhao, Ph.D. student in Civil Engineering; **Vijay Panchang**, professor, School of Marine Sciences; **W. Chen**, Ph.D. student in Civil Engineering; **Z. Demirelek** of the Army Corps of Engineers, Vicksburg, Miss.; and **N. Chhabbra**, M.S. student in Mechanical Engineering: "Simulation of Wave Breaking Effects in Two-Dimensional Elliptic Harbor Wave Models," *Coastal Engineering*, 42(4):359-73 (April 2001).

Charles Driscoll, UMaine '74 and Syracuse University Distinguished Professor; **Christopher Cronan**, professor of biology and ecology; and eight other authors: "Acidic Deposition in the Northeastern United States: Sources and Inputs, Ecosystem Effects, and Management Strategies," *BioScience*, 51:180-98 (2001).

Lewis Tagliaferre and **Susan Greenwood**, lecturer in sociology: "Distributed Generation - Power Plants in Every Home?" *Electrical Contractor*, 66(3):114-22 (March 2001).

Tsutomu Ohno, associate professor of applied ecology and environmental sciences, and **Kristan Doolan**, former PSE graduate student: "Effects of Red Clover Decomposition on Phytotoxicity to Wild Mustard Seedling Growth," *J. Appl. Soil Ecol.* 16:187-92 (2001).

Marie Urbanski Whittaker, professor emerita of English: "Margaret Fuller's Inspiration to Louisa May Alcott" and "Henry David Thoreau as a Prototype Character in Louisa May Alcott's Fiction," *The Louisa May Alcott Encyclopedia*, Greenwood Press, 114:324-25 (2001).

Kathleen March, professor of Spanish: the poem "Arela" ("Wish") in the bilingual volume of the Galician P.E.N. Club, *A poesía é o gran milagre do mundo (Poetry is the world's great miracle)*, Santiago de Compostela (2001).

Cynthia Erdley, associate professor of psychology; **Douglas Nangle**, associate professor of psychology; **Julie Newman**, graduate student; and **Erika Carpenter**, graduate student: a chapter, "Children's Friendship Experiences and Psychological Adjustment: Theory and Research," in D.W. Nangle & C.A. Erdley (Eds.), *New Directions for Child and Adolescent Development: The Role of Friendship in Psychological Adjustment*, San Francisco: Jossey-Bass (2001).

Positions open on the President's Council on Women

The President's Council on Women has several openings for new members. The Council reports directly to the president on issues of importance to the status of women at the University. It represents administration, faculty, professional and classified staff, students, and the community to recommend strategies to enhance the representation, participation and recognition of women at the University. We are seeking dynamic individuals to fill the following vacancies: PEAC, classified, graduate and undergraduate students. If you are interested, contact the Council on Women co-chairs, Alice Bruce (abruce@maine.edu or on FirstClass), x1182; or Nellie Orr (nellie.orr@umit.maine.edu), x2461

Quaglia in *Education Week*, *Washington Post*

Russ Quaglia, director of the National Center for Student Aspirations, is quoted extensively in a lead story about the increasing culture of cruelty in the nation's schools featured in March 22 edition of *Education Week*. The story also cites NCSA survey data from more than 70,000 6th-12th graders nationwide that show only 37 percent of respondents say students respect one another. The story also ran in the March 22 *Washington Post*.

Harbor seal research in *Cape Cod Times*

Jim Gilbert, professor and chair in Wildlife Ecology, and Marcy Lucas, graduate student, are mentioned in a March 21 article in the *Cape Cod Times* about capturing and applying radio tags to harbor seals. Gilbert and Lucas, who also works for the Maine Department of Marine Resources, are part of a team assessing the size of the New England harbor seal population. Another attempt to tag seals will be made mid-April in Rockland.

Kahl talks with *USA Today*

Steve Kahl, director of the Mitchell Center for Environmental and Watershed Research, spoke with a reporter from *USA Today* about a story she is doing on a paper released by *BioScience* on trends in acid rain at Hubbard Brook in New Hampshire.

Sandweiss tapped by Danish magazine

For a week in late March, Dan Sandweiss of the Department of Anthropology, and Institute for Quaternary and Climate Studies, carried out an e-mail interview with Birgitte Svennevig, a Danish science writer, about correlated changes in climate and temple building on the Peruvian coast. Svennevig is working on a story about the links between climate changes and societal collapses in the past. The article will appear in the Danish monthly cultural magazine *Samvirke*, which has a circulation of 490,000.

Norton, Kahl in *Audubon*

Steve Norton of Geological Sciences and Steve Kahl, director of the Mitchell Center for Environmental and Watershed Research, are described as "salt detectives" in an article in the January/February issue of *Audubon* magazine. The article, "Road Assault," is about the environmental effects of the 17 million tons of road salt used to de-ice roads in the U.S. Kahl and Norton developed a rapid, simple chemical test to differentiate the source of salt contamination in groundwater wells.

Baranowski talks with *American-Statesman*

Marc Baranowski, associate professor of human development, interviewed March 28 with the *American-Statesman* in Austin, Texas, for a story about the importance of grandparents, particularly in raising a multicultural child.

Book Ends



New & Noteworthy at the University Bookstore

***American Fuji* by Sara Backer, Putnam (2001).** *American Fuji* is the story of Gaby, who works for a company that sells fantasy funerals to Japanese clients. She meets Alex Thorn, who is having the body of his son shipped to the States by her company. In a father's search for answers about his son's death, a wild ride ensues through the manners, mores and prejudices of the Japanese. An exuberantly funny tale of Americans abroad in modern-day Japan, this romantic, irreverent, cross-cultural misadventure captures the charms and mysteries of Japanese society.

***Founding Brothers: The Revolutionary Generation* by Joseph Ellis, Knopf (2001).** An illuminating study of the intertwined lives of the founders of the American republic: John Adams, Aaron Burr, Benjamin Franklin, Alexander Hamilton, James Madison and George Washington. During the 1790s, the greatest statesmen of their generation came together to define the new republic and direct its course for coming centuries. In a lively and engaging narrative, Ellis recounts the sometimes collaborative, sometimes archly antagonistic interactions between these men.

Of Note: Tax Time is here and the Bookstore has plenty of tax guides to help you out. Choose from Ernst & Young, H&R Block, JK Lasser and more.

▼ The Bookstore's Graduation Fair will be April 18, 9 a.m.-3 p.m., in the Union. Meet Representatives from Herff Jones Class Rings, Church Hill Classics Diploma Frames, the Alumni Association, Career Center, Printing Services, Continuing Education and the Graduate School. Purchase caps, gowns and graduation announcements. Enjoy raffles and refreshments.

▼ April is National Poetry Month. All poetry books are 25 percent off.

Jeff Wilhelm, associate professor of literacy, gave presentations on "Reading and Engagement and Reaching Reluctant Readers" to Reykjavik teachers of reading and English, Reykjavik, Iceland, Feb. 22. The lecture was sponsored by the Reykjavik Education Service Center.

Russ Quaglia, director of the National Center

for Student Aspirations and associate professor of education, gave the keynote address at the New Mexico Academy for Educational Leadership, Albuquerque, March 14. Quaglia was also the keynote speaker at the 16th Annual Human Service Conference, Costa Mesa, Calif., March 16. In addition to the keynotes on opportunities and barriers in fostering student aspirations, he conducted sessions at both conferences on connecting aspirations and sports.

Linda Labas, early childhood coordinator; **Nancy Larson**, mental health research associate; **Deborah Twomey** and **Kate Laidman**, early childhood research associates, Center for Community Inclusion, presented a workshop, "Child Care Plus ME," at the Maine Department of Human Services' Health & Safety in Child Care Conference in Augusta March 17. The staff introduced the goals and objectives of CCI's Child Care Plus ME project, and offered problem-solving assistance and training to support childcare centers, childcare homes, families, preschools and community programs so that they may provide quality experiences for all children, including those with challenging behaviors, and with medical, physical and developmental disabilities.

Lawrence Mayer, Agatha B. Darling Professor of Oceanography, was invited to present the paper, "The Role of Clays in Burial of Organic Matter in Oceans," at the Exxon-Mobil Corp., Houston, Feb. 20. In addition, Mayer, L. Benninger, Q. Roberts, M. Bock and D. DeMaster presented "Sedimentary Organic Matter on the Shelf and Upper Slope Off Cape Hatteras: Grain Size and Nutritional Quality Considerations" at the American Society of Limnology and Oceanography Conference in Albuquerque, Feb. 14-18.

Mark Wells, assistant professor of marine sciences, presented the paper "Size Characterization of Colloidal Cd from Surface Waters off the Mississippi Plume by Flow Field-Flow Fractionation" at the American Society of Limnology and Oceanography Conference in Albuquerque, Feb. 14-18. At the same conference, Wells, M.T. Maldonado and C.A. Trick presented the paper "Iron Availability and the Toxicity of Pseudo-Nitzschia Spp.: Results from Monoclonal and Natural Population Cultures During the 1998 Monterey Bay Bloom."

John Riley, professor of bio-resource engineering, attended the United States Department of Agriculture - Small Business Innovation Research meeting as a member of a Review Panel to evaluate proposals in Washington, D.C., Feb. 6-7.

Mary Jane Perry, professor of marine sciences and oceanography, presented "Seaglider Observations of the Vertical and Horizontal Structure of Chlorophyll a Fluorescence in Monterey Bay, California" at the American Society of Limnology and Oceanography Conference in Albuquerque, Feb. 12-16. Perry also attended the National Science Foundation's Advisory Committee on Environmental Research and Education meeting in Arlington, Feb. 28-March 1, as a committee participant to advise National Science Foundation on environmental research and education.

Peter Jumars, professor of marine sciences and oceanography, traveled to Santa Fe and Albuquerque, to give a seminar and to work with Eric Smith at the Santa Fe Institute (seminar Nov. 8: "Cooperative Designs for Eating Mud With and Without Benefit of a Gut Explain Regularities in Otherwise Diverse Detrital Systems"), Feb. 6-13. In addition, Jumars attended the American Society of Limnology and Oceanography board meetings and scientific sessions in Albuquerque, Feb. 10-12. He also attended the Ph.D. defense of Jill Schmidt and worked with colleagues on publications and collaborative research in Seattle, Feb. 20-23.

John Moring, professor of zoology, Department of Biological Sciences, presented a paper, co-authored by Greg Garman, Virginia Commonwealth University, "A 19-Year Reassessment of a Stream Fish Community Following Logging in the Watershed," at the 81st Annual Meeting, new England Society of American Foresters, Portland, March 15.

UMaine graphic art designers receive

12 National Marketing and Promotions Awards for Excellence

The University of Maine will receive 12 National Marketing and Promotions Awards of Excellence from the *New York Times*/University Continuing Education Association (UCEA) for numerous promotional pieces developed this past year for the Division of Lifelong Learning's Continuing Education Division/Summer Session, and the Peace Studies Program.

The awards are associated with the Travel Study Programs, Summer Session 2000, and the Peace Week John Artis Public Lecture. The pieces were developed by graphic art designers Valerie Williams of the Marketing Department and Aaron Milligan of CED/SS. Ethel Hill is assistant director for CED Marketing and Promotions.

UMaine will be recognized with the awards during the UCEA Annual Meeting in Philadelphia this month.

Raymond O'Connor, professor of wildlife, gave a lecture, "The Geography of Forest Patch-size Effects in Warblers in the Conterminous U.S.," at the University of New Brunswick, Department of Biology Seminar, March 16, Fredericton.

Stephen Matthews, wildlife ecology graduate student, gave a presentation, "Linking Wildlife and Econometric Modeling of Afforestation for Carbon Sequestration," at the 2001 Northeast Wildlife Graduate Conference at the University of New Hampshire March 4. In addition, Matthews gave a presentation, "Carbon Sequestration and Afforestation; Biodiversity Consequences," at the New England Society of American Foresters 81st Annual Winter Meeting, March 16, South Portland.

François Amar, associate professor of chemistry, gave a seminar, "Structural Motifs and Dynamics in Molecular Clusters," to the Departments of Physics and Chemistry, Haverford College, Pennsylvania, March 20.

Professor Emeritus of History **C. Stewart Doty**, Visiting Research Associate Dale Mudge, and Dineh College Professor of Navajo History and Culture Herbert Benally have won a grant from the New Mexico Endowment for the Humanities to fund research and photograph production for a book and museum exhibition, *Photographing Navajos: John Collier, Jr. on the Reservation, 1952-1953*.

Irv Kornfield, professor of zoology, School of Marine Science, was the Virginia Polytechnic Institute Biology Graduate Student Association's guest speaker for 2000-2001. He presented two lectures, "African Cichlid Fishes: Rapid Divergence and the Quest for Closure" and "Salmonid Biopolitics: Genetics and the ESA Listing of Atlantic Salmon," March 14-16.

Doug Allen, professor of philosophy, presented "Mahatma Gandhi's Role in Fostering Religious and Cultural Diversity" at the University of Miami, March 20.

Jonathan Rubin, associate professor in the Margaret Chase Smith Center and Department of Resource Economics and Policy, has been appointed to the Committee on Transportation Energy, Transportation Research Board of the National Academies, for the term of Feb. 1, 2001-Jan. 31, 2004.

The Center for Community Inclusion's **Debbie Gilmer**, associate director and acting director, and **Liz DePoy**, coordinator of research and evaluation and professor of social work, conducted a workshop, "Transitional Health Services for Adolescents with Special Health Care Needs," with Dr. Albert Hergenroeder, chief of adolescent medicine at Baylor College of Medicine, Julie Keys of Family Voices, and Liz MacDonald of Kids as Self-Advocates, at the 2001 Annual Meeting of the Association of Maternal and Child Health Programs in Washington, D.C. March 26. Gilmer and DePoy shared evaluation findings from the Maine Adolescent Transition Partnership and discussed the youth leadership efforts under way in Maine.

Martin Stokes, professor of biosystems science, chaired the 42nd Annual New England Dairy Feed Conference in West Lebanon, N.H., March 28. This meeting is organized by the New England Land-Grant Universities; the Miner Institute, Chazy, N.Y.; and the New England Grain and Feed Council, to bring the latest dairy nutrition and management information to the New England dairy industry. Almost 200 dairy producers, feed industry representatives, and college students attended.

At a daylong conference, Aquatic Research in Acadia, at the College of the Atlantic March 27, UMaine faculty and students presented their latest research results. The conference was organized and sponsored by the Mitchell Center for Environmental and Watershed Research on campus, in cooperation with Acadia National Park. UMaine presenters were: **Steve Kahl**, "The Goals of PRIMENet Watershed Research at Acadia" and "Chemical Mass Balances and Trends for PRIMENet Watersheds: Comparison with Long Term Regional Responses"; **Janet Eckhoff**, "The Vegetation Module of PRIMENet Research"; **Ivan Fernandez**, "Evidence of Wildfire/Vegetation on Soil Organic Carbon and Nutrients"; **Sarah Vidito**, "Atmospheric Inputs to PRIMENet Watersheds"; Vidito and **Cathy Weathers**, "Atmospheric Deposition in Mountainous Terrain: Scaling Up to the Landscape"; **Terry Haines**, "Sources and Sinks of Mercury in Two Contrasting Watersheds"; **Ken Johnson**, "Mercury Budgets for Hadlock and Cadillac Brooks, Paired PRIMENet Watersheds"; **Philip Ruck**, "Cycling and Speciation of Mercury in Soils at Acadia National Park"; **Steve Norton**, "Should We Really Expect Mercury to Decrease in Our Lakes, Streams, and Fish?"; **Heather Good** and **Charley Culbertson**, "Monitoring Nutrient Enrichment in Northeast Creek Estuary: Study Design and Results from First Year Field Season"; **Rachel Keats**, "The Effect of Nitrogen Loading on Estuarine Ecosystems: A Stable Isotope Approach in Northeast Creek Estuary"; **John Moring**, "Freshwater Fishes of Acadia National Park"; **Jerry Longcore**, "Transfer of Mercury and Other Trace Metals from Food to Tissues of Tree Swallows at Acadia National Park"; **Jessie Cunningham**, "The Effect of Beaver Disturbance on

Spatial and Temporal Patterns of Amphibian Breeding and Wetland Use"; **Michael Bank**, "Preliminary Results from the 2-lined Salamander Mercury Study"; and **Cynthia Loftin**, "Effects of Landscape Heterogeneity and Environmental Stressors on Palustrine and Lotic Amphibian Populations." Haines gave the evening plenary talk: "Mercury in Acadia NP: Where Does It Come From and What Does It Mean?" Faculty and students represented the Departments of Geological Sciences, Biological Sciences; Plant, Soil and Environmental Sciences; Wildlife Ecology; Forest Ecosystem Science; and the Mitchell Center.

Dan Sandweiss, Anthropology and Quaternary & Climate Studies, had a paper, "Archaeological Evidence for Early Maritime Adaptations in Western South America, 11,000+ to 5000 14-C yrs BP," read at the Annual Meeting of the American Association of Physical Anthropologists, in a symposium on "Adjustments to Coastal Environments," March 31.

Steven Galbraith, social sciences & humanities reference librarian, and **Jim Bird**, science & engineering center department head, both of Fogler Library, presented a workshop March 31, "Trademark Basics," at the Mid-Coast Home-Based Business Conference, Troy Howard Middle School, Belfast. The conference was sponsored by University of Maine Cooperative Extension, Waldo County.

David Yarborough, associate Extension blueberry specialist, and associate professor of horticulture in the Department of Biosystems Science, presented at the Annual Meeting of the North American Wild Blueberry Research and Extension Workers in Halifax, "Progress Towards the Development of a Mechanical Harvester" and

"Development of a Crop Estimation Technique for Wild Blueberries." With Research Associate **Timothy Hess**, Yarborough presented, "Environmental Factors and Timing Affect Efficacy of Azafenidin, Rimsulfuron and Pendimethalin on Weeds in Wild Blueberries." **John Smagula**, professor of horticulture, and **Walter Litten**, faculty associate in the Department of Biosystems Science, presented, "Boron Deficiency in Lowbush Blueberry"

and "Effects of Fertilizer Application Date on Lowbush Blueberry." **Judith Collins**, research associate, and **Francis Drummond**, professor of insect ecology/entomology of the Department of Biological Sciences presented, "Field-Edge Management Tactics for Blueberry Maggot in Wild Blueberry."



Members of the winning team are, standing left to right, Aaron Cianchette of Hartland (captain), Matthew Dale of Dover-Foxcroft, Benjamin Robillard of South Paris, James Pelletier of Bangor, with Chuck Gould; seated left to right, Kellie Bard of Greenbush and Thomas Coyle of Brewer. Photo by Monty Rand

Construction management technology wins regional competition

A team of UMaine students in the Construction Management Technology Program (CMT) brought home a \$2,000 check for its first-place finish in the Region One Construction Management Competition of the Associated Schools of Construction (ASC) March 4.

The students' presentation in the national competition at the annual meeting of the Associated General Contractors (AGC) of America March 21-24 was exceptional, according to team advisor Chuck Gould of CMT, but ultimately less successful.

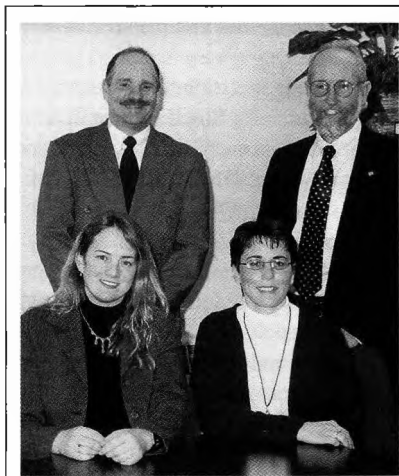
In the national event, the team had to prepare a complete cost estimate and bid for 9-mile long railroad relocation project in Lubbock, Texas. They were given complete plans and specifications, and 16 continuous hours to prepare the bid.

"This was a very classy competition," says Gould. "Our team's final presentation was easily equal to the one given by the winning team, but our paperwork needed polishing. It was evident from their answers to tough questions that they thoroughly understood the project and had an excellent plan for performing it."

Final presentations and questioning were made before a panel of experts and a large audience of national contracting firm representatives, including many of the nearly 130 representatives from Maine.

At the annual meeting, two Maine construction executives were installed in AGC leadership positions. Bob Desjardins, vice chair and executive vice president of Cianbro Corp., of Pittsfield, was installed as AGC's national president, and Jack Kelley, president of Nickerson & O'Day of Brewer, as the national vice president. Desjardins and Kelley are both on UMaine's CMT Industrial Advisory Committee.

"This is a rare occurrence and a tribute to Maine, to have our construction management students and leaders of the Maine construction industry featured at a national event," says Gould. ▲



Representatives of the Illinois-based Chlorine Free Products Assoc., visited campus March 8 to provide updated information about chlorine-free paper products and to express appreciation for a UMaine program that gives departments the option of purchasing and using chlorine-free paper. Left to right are Kelly Gerhman, CFPA director of research; Archie Beaton, CFPA executive director; Anne-Marie Nadeau, buyer in UMaine Purchasing; and Scott Anchors, executive assistant to the president.

Positions Available

The following faculty and professional positions are currently available at the University of Maine. This list includes titles and contact information. Interested parties should consult either the University of Maine contact listed for each open position or Web listing (www.umaine.edu/hr/jobs) to obtain a complete job announcement, including required qualifications. All positions are full time, unless otherwise specified. Questions about search procedures should be directed to the Office of Equal Opportunity, 581-1226.

Kennebec County Extension Educator (faculty), Cooperative Extension.

Review Begins: April 20. Contact: Send a letter of intent, resume, transcripts (copies acceptable), and names, addresses and phone numbers of four references who may be contacted to: Sandra Vaillancourt, 5741 Libby Hall, Room 103, Orono, ME 04469-5741 or call 1-800-287-0272, 207/581-3325, 207/581-3325 (fax) or email sandyv@umext.maine.edu.

Benefits Specialist, Human Resource Department. Review Began: March 30. Contact: Send a resume and letter of interest, along with the names, addresses, and telephone numbers of three references to: Benefits Specialist Search, 143 Corbett Hall, Orono, ME 04469-5717.

Analytical Chemist, Department of Chemical Engineering. Review Begins: April 24. Salary Range: \$35,200-\$37,000. Contact: Send a letter of application, names and phone numbers of three references, and resume to: Proserfina Bennett, Chemical Engineering Department, 5737 Jenness Hall, The University of Maine, Orono, ME 04469-5737.

Grant and Contract Training Specialist, Office of Research and Sponsored Programs. Review Begins: April 16. Salary Range: \$28,000-\$32,000. Contact: Send a cover letter, resume, and the names, addresses, and phone numbers of three references to: Chair, Search Committee, Office of Research and Sponsored Programs, 5717 Corbett Hall, Orono, ME 04469-5717.

Grant and Contract Training Specialist (half-time), Office of Research and Sponsored Programs. Review Begins: April 16. Salary Range: \$16,000-\$20,000. Contact: Send a cover letter, resume, and the names, addresses, and phone numbers of three references to: Chair, Search Committee, Office of Research and Sponsored Programs, 5717 Corbett Hall, Orono, ME 04469-5717.

Research Associate, Department of Plant, Soil and Environmental Sciences. Review Begins: April 23. Salary Range: \$25,000-\$30,000. Contact: Submit a cover letter, resume, college transcripts, and three letters of reference to: Stewart Goltz, Department of Plant, Soil & Environmental Sciences, 5722 Deering Hall, The University of Maine, Orono, ME 04469-5722 or e-mail: goltz@maine.edu.

INFORMATION ON OPENINGS FOR CLASSIFIED POSITIONS

Because most classified (hourly paid) positions are posted for brief time periods, it is not feasible to announce them in *Maine Perspective*. For updated information on current classified positions available at UMaine, call the jobs line, 581-4567, or check the Web listing (www.umaine.edu/hr/jobs). Application forms are available at: Personnel Services, 124 Corbett Hall, University of Maine, Orono, ME 04469.

The University of Maine is an Equal Opportunity/Affirmative Action Employer. In complying with the letter and spirit of applicable laws and in pursuing its own goals of diversity, the University of Maine System shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability, or veterans status in employment, education, and all other areas of the University. The University provides reasonable accommodations to qualified individuals with disabilities upon request. Questions and complaints about discrimination in any area of the University should be directed to Evelyn Silver, Director of Equal Opportunity, The University of Maine, Room 101, 5754 North Stevens Hall, Orono, ME 04469-5754, telephone (207) 581-1226 (voice and TDD).

The Office of Equal Opportunity is pleased to announce that David Poindexter has joined the staff as associate director. Poindexter comes to UMaine from northern Michigan where he practiced law for 20 years. He has been a hearing officer for the Michigan Department of Civil Rights, a fact finder for the Michigan Employment Relations Commission, and a mediator for the U.S. Equal Employment Opportunity Commission. Poindexter has taught at Michigan Technical University and Northern Michigan University.

CENTER FOR TEACHING EXCELLENCE

The Center for Teaching Excellence, 212 Crossland Hall, is a resource for faculty at the University of Maine. Our mission is to promote continuing improvement in the quality of teaching and learning at UMaine.
(www.umaine.edu/teaching)

TEACHING LINKS

The topic for this issue is teaching large classes:

<http://breda-guide.tripod.com/New-5.htm>

This informative article touches on taking space into consideration in large classes, organizing practical work, cooperative group work, lecturing in large classes, and many other topics.

<http://comp.uark.edu/~rlee/teach/large.html>

The University of Arkansas offers a full page of links on teaching large classes, from "The Challenge of Large Classes," "Better Communication in Large Classes," to "Large Class FAQ."

<http://www.inform.umd.edu/EdRes/FacRes/CTE/lcn/>

This Web site from the University of Maryland includes a "Large Classes Newsletter," as well as the "Large Classes Teaching Guide."

Symposium continued from page 10

can lead to issues between Native communities and non-native academic scholars. This symposium is intended to begin the dialogue between the groups to ensure scholarship that is both rigorous by academic standards and appropriate by tribal community standards."

Research involving Native American communities by any number of academic disciplines, including history, anthropology, sociology, social work, can raise moral and ethical issues, says Smith. Both researchers and the community have rights with respect to academic research. The purpose of this symposium is to describe those rights and the importance of respectful research policies.

For example, the Hopi Tribe has developed a set of Protocols for Research, Publications and Recordings. Closer to home, the Penobscot Nation has established a five-person Heritage Preservation and Protection Committee that is addressing similar issues, Smith says, including "who comes to their reserve and what they take away." The committee, which has created rules, guidelines and a proposal process, will be central in the symposium break-out groups scheduled each day.

The symposium opens April 12 with a keynote address by Donald Fixico, "Ethics and Responsibilities in American Indian Studies." His keynote, which will stress the responsibilities and ethics in writing American Indian history, is based on his forthcoming book, *The American Indian and History: Native Reality and Indigenous Ethos*.

Other presentations the first day of the symposium include: "Intellectual Ethnocentrism and the Misinterpretation of Algonkian Religious Life" by Ken Morrison; "Community-Based Research: An Outburst of Hope" by Nate St. Pierre of Montana State University; and "Research with Native American Communities" by Marilyn Jones of the Suquamish Museum.

The second day of the symposium will open with a presentation by Duane Champagne, "Native Sovereignty and Research Ethics: Some Considerations." Other presentations that day: "Mohegan Field Research: A Case Study in Applied Archaeology" by Jeff Bendremer, an archaeologist with the Mohegan Tribe; and "Challenge for Survival: A Contemporary Look at Tribal Governments and the Issues Facing Tribal Survival Today by Protecting Yesterday's Dreams" by Kevin Howlett of the Salish-Kootenai Tribal Council.

For more information on the symposium, call 581-4456. ▲

Climate research *continued from page 1*

Climate links them all. The new name positions us effectively for the future and gives more visibility to what we do," Jacobson says.

"Interdisciplinary work is second nature here. There are very few if any barriers to working across department lines. That's not always the case in universities. In some institutions, it can be very difficult to collaborate in research or team teaching. No one questions that sort of thing here."

A new ice core storage facility has been located behind the Sawyer building and will provide access to what Mayewski calls "a type of historical library." Currently, stored cores come from Asia (including a 23,000-foot high glacier on Mt. Everest), the Arctic, Antarctic, South America, the Yukon and Iceland. Some of the Antarctic cores contain ice layers that are as old as 500,000 years, while some of the Arctic cores go back 250,000 years. Cores from last winter's expedition are scheduled to arrive next June.

"We're looking at a very exciting and bright future for the Institute, building on the successes of the past," says Jacobson. "When Hal Borns and other University administrators created the Institute in 1972, it was the first organized research unit on campus, other than the long-established Agricultural Experiment Station. The Institute was organized in a way that was different from any other at the time. Now, it's one of many good research groups on campus."

Institute faculty and students have focused on Maine, but they also pursue answers to questions worldwide. "The scientific questions that we deal with require us to go where the answers are. We can't understand how the global climate system functions without understanding the geographic patterns in atmospheric and ocean circulation. We have to know how the system functions and with what timing to

Poetry & Story Exchange *continued from page 2*

state. "I'm feeling a wonderful energy developing," says Bishop, "and I'm looking forward to what happens when it all converges here."

This year's event will begin on Friday with a special opening ceremony conducted by representatives of the Penobscot Nation. Friday afternoon events will include small-group readings by the participants, workshops on a variety of subjects, and group discussion sessions on topics such as "The Place of Place in Our Telling," "Global & Local: Where is the Imagination's Home?" and "Falling Silent: The Loss of Voice and its Recovery."

A formal banquet will include the honoring of writers from throughout the state whose work acknowledges its roots in place and community, and will pay special tribute to the recently deceased poet Leo Connellan, whose poetry is deeply rooted in his birthplace, Rockland. In addition, Bucksport poet and founder of SpiritWords Patricia Ranzoni will present a story quilt chronicling Maine's multicultural community heritage. The quilt is being created for the exchange by a number of quilters and contributors of patches. Music by Maine musicians will follow the program.

Also featured will be exhibits of books by Maine writers and a poetry wall, where participants can post short works.

One goal of this gathering is to create a home space at UMaine where Maine writers can share their work, interact with one another creatively in an amenable environment, and explore themes of common interest, particularly centered on the relationship of place and community to their creative expression. In that respect, the hope is that the Exchange will become an annual event, in conjunction with an interactive Web site, and perhaps a regular reading series for Maine writers. The latter would parallel the very successful series of readings currently sponsored by NPF and the English Department. ▲

know what's happening in Maine," says Jacobson.

Mayewski and his colleagues bring a well-established set of international collaborations. The Institute is the scientific management office for the U.S. International Trans-Antarctic Scientific Expedition (U.S. ITASE), which involves 10 research institutions in the U.S. It also serves as home for the International expedition, involving 15 nations. Ann Zielinski from IQCS has taken on the role of assisting in the organization of these national and international activities.

"We have memoranda of understanding with many research institutions such as the Chinese Academy of Sciences, the Department of Hydrology and Meteorology of the Kingdom of Nepal, the University of Newcastle in Australia," says Mayewski. "We are associated with a laboratories at the University of Stockholm and the Southampton School of Oceanography, and many others."

Mayewski continues collaborations with scientists at UNH and works with the Museum of Science at Boston (www.secretsoftheice.org), as well as the American Museum of Natural History in New York on efforts to engage the public. Visitors to the Big Apple can see a permanent ice core display developed by Mayewski in the museum's Hall for Planet Earth.

Among the expeditions planned for this year are a trip by post-doctoral researcher Shichang Kang to Mt. Everest and a return to Antarctica for another ITASE traverse by Mayewski, Hamilton and three graduate students. ▲

Campus planning *continued from page 2*

another year to have a principles-based planning process in place.

"I've been surprised at the impatience of people thinking that the establishment of our committee meant everything is done, but (our group) has just begun. The committee will try to recommend some interim processes beginning next fall, but the emphasis on its work will be development of permanent processes for the long run."

The work of the committee's six subcommittees is beginning with a call for involvement by members of the University committee. The subcommittees and their chairs are:

- ▼ Cultural Resources and Visual Management, Martha McNamara
- ▼ Energy and Environmental Management, Chet Rock
- ▼ Planning Process, Sue Estler
- ▼ Student Involvement in the Planning Process, Eric Landis
- ▼ Infrastructure, Anita Wihry
- ▼ Zoning and Development Planning, Mark Anderson.

Volunteers interested in joining subcommittees should contact Mark Anderson, 581-3198.

Copies of the revised draft values statement submitted to the president are available from Mark Anderson or any member of the Campus Planning Committee. The draft also was posted to the Faculty Senate folder on FirstClass in March. ▲

Campus Energy Tips

From the Sustainability Coalition

Chemical fume hoods use large amounts of energy, both in moving air through the ducts and in heating air to replace that exhausted. You can help the University to reduce both energy and maintenance costs by turning off fume hoods when they are not being used. HOWEVER, ALWAYS USE YOUR FUME HOOD WHEN WORKING WITH HAZARDOUS MATERIALS. Also, in a few cases, laboratory directors have been instructed to keep their fume hoods running continuously until general ventilation can be installed. If you have questions about this, contact your safety coordinator or Environmental Health and Safety.

U.S. Department of Education supports consortia of U.S., Canadian, and Mexican institutions of higher education that cooperate in the coordination of curricula, the exchange of students, and the opening of educational opportunities in North America. Estimated average award: \$200,000 over four years. Deadline: May 14.

Smith Richardson Foundation awards grants of \$60,000 to junior faculty for domestic public policy research. Priority areas: child and youth development, family environment, school reform, income support, non-governmental approaches to social policy, values and attitudes, public finance, public management, regulatory policy, and the political process. Applicants must have received a Ph.D. after Jan. 1, 1994. Deadline: June 1.

National Science Foundation and U.S. Department of Transportation jointly sponsor Exploratory Research on Information and Communications Systems for Surface Transportation, supporting basic research to discover ways innovative information and information/communication technologies can be integrated into surface transportation systems to meet challenges and constraints related to competitiveness, congestion, safety, land use, energy, and environment. Deadline: June 8.

National Cancer Institute invites applications for review and analysis of tobacco industry documents, of which a rapidly increasing portion is available through the Internet. Areas of interest include nicotine pharmacology or addiction, health consequences of use, tobacco product additives, product design and manufacturing, advertising and promotion, youth initiation, tobacco use cessation, and policy. Letters of intent are due June 13; proposals, Jan. 8.

German Academic Exchange Service invites U.S. universities to apply for financial support to invite German academics in all fields, notably university faculty, to teach for a period of one to six months at the host institution. The program is designed to help fill a curricular gap or to act as a stimulus for teaching and research in the host department. Funds cannot be used to replace faculty on sabbatical. Applications are accepted at any time.

Departments of Health and Human Services, Justice, and Education jointly invite applications for research on child neglect. The program will support studies of the adult caretakers and/or child victims of neglect; the dynamics of the relationship between caretaker and child; the family system in which neglect occurs; and the larger social contexts of neglect. Multidisciplinary approaches are encouraged.

For more information, call Research and Sponsored Programs, x1476, or visit our Web site (www.orsp.umesp.maine.edu).

IACUC biannual training/orientation

The Institutional Animal Care and Use Committee (IACUC) announces the spring offering of the IACUC biannual training/orientation program. It will be held Wednesday, May 9 (Maine Day), 9-10:30 a.m., 220 Corbett Hall (across from the Gym). People who have attended previous training sessions do not have to attend.

This campuswide training/orientation program is in compliance with federal regulation and the University's approved Animal Welfare Assurance. All faculty, staff and students who work with live, vertebrate, non-human animals are required to participate in the program.

The IACUC will not act on protocols for approval of animal use until all project personnel have been certified as having completed the training program. Contact the Office of Research and Sponsored Programs for registration forms, x1476.

20th Professional Employee Achievement Awards

The Professional Employees Advisory Council (PEAC) seeks to raise the awareness of the campus community about the contributions that represented and non-represented professional employees make to the quality, diversity and overall mission of the University. Nominations are sought of professional employees whose actions and activities above and beyond normal work responsibilities have provided outstanding service to their fields, to UMaine or to the community as a whole. Awards are presented at the annual spring employee banquet. Nomination forms are available from Kay Hyatt, Chair, PEAC Awards Committee, 129 Shibbes Hall, 581-2761; kay.hyatt@umit.maine.edu. Deadline for receiving nominations is April 13.

Peace Corps at the University of Maine

The Peace Corps Office on campus is located in the Career Center, third floor of Chadbourne Hall. UMaine senior Josh Anchors is the Maine Peace Corps representative. Call 581-1366 for more information or to set up an interview for "the toughest job you'll ever love."

Tax assistance

UMaine accounting students are providing free income tax assistance every Monday, 2-5 p.m., 117 Corbett Business Building. The VITA program, sponsored by the IRS, is available to help students, the elderly and people from the community with basic income tax returns. People needing assistance should bring their W-2s, 1099s, and other tax materials. For more information, call Associate Professor Steve Colburn, 581-1982.

What's Ahead

**Globalizing the Curriculum:
Can You Major
in Global Studies?
April 12**

**Opening Reception for
Department of Art
Student Exhibition
April 20**

**Longest Wheelchair
Basketball Game
April 21**

**The Beautiful Project
April 21**

**Bumstock
April 27-28**

The University of Maine
Maine Perspective
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