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4-22-1991

Currents, Vol.9, No.14 (Apr.22, 1991)

Robert S. Caswell
University of Southern Maine

Susan E. Swain
University of Southern Maine

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Recommended Citation

Caswell, Robert S. and Swain, Susan E., "Currents, Vol.9, No.14 (Apr.22, 1991)" (1991). *Currents*. 104.
<https://digitalcommons.usm.maine.edu/currents/104>

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CURRENTS

University of Southern Maine

Volume 9, Number 14

April 22, 1991



From the Osher Collection.

Cartographic Advisors Meet

Public lecture by map expert

The value of USM's antique map collections, comprised of the collection of Harold L. and Peggy L. Osher donated in the fall of 1989 and the L.M.C. Smith Collection, given to USM by Mrs. Eleanor Smith in 1986, is reflected by the stature of the experts willing to serve on the collections' review board. This very distinguished group will visit campus this week, Friday and Saturday, April 26 and 27, to advise George Parks, university librarian, and Yolanda Theunissen, map curator, on the collections and to review current plans for housing and display of the collections as part of renovation of the Johnson Supply building, which will become the new USM library.

In connection with their visit, eminent map scholar David Woodward, a member of the review board, will give an illustrated lecture, open to the public, on "Breaking the Bounds: Emergence of the Renaissance View of the World." He will speak at 7:30 p.m., Friday, April 26 in Room 510 of Luther Bonney Hall, Portland.

Woodward is professor of geography at the University of Wisconsin-Madison and project director of their

History of Cartography Project. He was co-editor of the landmark publication, "History of Cartography" and author of the book "The All-American Map: Wax-Engraving and its Influence on Cartography" and numerous articles and chapters on the history of map making. A former curator of maps for the Newberry Library in Chicago, he also held a Guggenheim fellowship to Florence and Venice, was a guest lecturer at the British Library and a visiting scholar in residence at the National Geographic Society in Washington.

Woodward will explore the radical changes in the conception and depiction of the world which occurred near the end of the Renaissance. This lecture is the first in a series on the history of cartography jointly sponsored by the Osher Library Associates and the USM Library.

While here, the Board of Review also will meet with the Faculty Advisory Committee to discuss the pending grant application to the National Endowment for the Humanities. The proposal requests a \$250,000 challenge grant from NEH to build an endowment which will underwrite adequate staffing, conservation and preservation of the collections, cataloguing, curricula and faculty development, scholarly research and public programming using the collections. Committee members — Parks and Theunissen; Joseph Conforti, director of New England Studies; Donna Cassidy, assistant professor of art; Robert French, associate professor of geography; Franklin D. Hodges, associate professor of geography; Gerald LaSala, associate professor of physics; Gary Johnson, assistant professor of history; Joseph Capelluti, assistant professor of education; and L. Kinvin Wroth, professor of law — are exploring possible ways of integrating the collection into the curriculum, using the maps as historic documents and cultural artifacts.

Besides Woodward, members of the visiting review board are Edward H.

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Research Tops 7 Million

The University of Southern Maine's externally funded research and training grants will increase 31 percent this year in support of studies ranging from improving agricultural output through molecular engineering to determining the rate of use of child restraint devices in Maine automobiles.

Figures from USM's Office of Sponsored Research show that the university expects to receive \$7.2 million of research and training grants in the current fiscal year. The record \$7.2 million represents an increase of \$1.7 over the previous record of \$5.5 million in fiscal year 1990. During the last four years, research and training grant support has increased by 125 percent, from \$3.3 million to the current \$7.2 million.

"USM has experienced four successive years of continuing growth in research and training grants," said Robert J. Goettel, director of the Office of Sponsored Research and executive assistant to the president. "Our now successful record underscores the increased recognition that USM faculty and staff have earned from private foundations as well as from federal

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Honoring Student Achievement

Recognition Day, May 2

An awards ceremony and a panel discussion of excellence in education highlight the Honors Convocation recognizing the achievements of USM's top students.

Recognition Day ceremonies begin at 2 p.m., Thursday, May 2 in Hill Gymnasium, Gorham with the awards presentation by President Harlan A. Philippi and academic deans and directors. Some 80 students will receive awards, including Outstanding Senior and the George Van Amburg Outstanding Service Alumni Award. The ceremony includes an address by Willard D. Callender Jr., professor of human resource development and recipient of the 1990 Distinguished Faculty Award. Callender will speak on "Learning from Your Achievements." He comments, "Recognition Day is special because we celebrate arrival on this day. The rest of the year our students must be future-oriented as they sacrifice to achieve their goals. On this day they can celebrate arriving." A reception will follow the awards ceremony in the Hill Gym lobby.

Campus honor societies will induct new members during ceremonies between 4 and 6 p.m., including the Phi Kappa Phi initiation at 5 p.m. in Corthell Concert Hall.

The second annual honors lecture will be held from 6 to 7 p.m. in Corthell Concert Hall, Gorham. This year, three recipients of the Maine Teacher of the

Year Award will join in a panel discussion, "In Pursuit of Educational Excellence." Panelist Stephen Ellwood IV, the 1990 Teacher of the Year, teaches sixth, seventh and eighth grade mathematics, science, art and current events at St. Francis school, SAD 27. A graduate of UM at Fort Kent, he is now in his seventh year of teaching and a great believer in a holistic approach to education. Also on the panel are Irving Richardson of Freeport Elementary School, the 1988 Teacher of the Year, and Linda Voss of Winslow Middle School, the 1986 Teacher of the Year.

The panel will be moderated by Jeremiah P. Conway, director of the Honors Program. Panelists will discuss key factors that promote good teaching and learning. Following the forum, a reception will be held in the President's House, also on the Gorham campus. Both forum and reception are open to the public.

Campus Notes

■ Faculty and staff who will be participating in Commencement this year are reminded to be in the Number One Club at the Portland Civic Center for robing between 8:30 and 9 a.m., Saturday morning, May 11. The ceremony will start promptly at 9:30 a.m. For more information, call Mary Schools at 780-4200.

■ The Department of English is presenting a colloquium on "Race" and Literature, from 9:30 a.m. to 4 p.m., Saturday, April 27 in Room 1 of Payson Smith Hall in Portland. Guest lecturers include Michael Thelwell of the University of Massachusetts-Amherst, Jerome de Romanet of State University of New York-Geneseo, Wahneema Lubiano of Princeton University, and Dana D. Nelson of Louisiana State University. Each lecture will be followed by discussion. For schedule/information, call Willard Rusch, 780-4113.

■ The last two meetings of the Faculty Senate will be from 3 to 5 p.m., Friday, April 26 in 102 Bailey Hall, Gorham and Friday, May 3 in 510 Luther Bonney, Portland.

■ USM's Alumni Board of Directors will meet at 6 p.m. on Monday, May 20 in Rooms B & C, Campus Center, Portland. The Annual Meeting/Alumni Day will be held on Saturday, June 15 in the Gorham Dining Center.

NASA Grant Brings Hi-Tech Science to Schools

With continuing reports showing that more of an emphasis needs to be placed on science education, high school teachers, university professors, and Bigelow Lab researchers are meeting at USM to map out a new program designed to increase the quality of science education in Maine.

The Earth Systems Science program for classroom teachers will give practicing classroom teachers a chance to learn more about "remote sensing" and other new aerospace technologies. The program will be offered as a concentration within a USM master's in education. "This is a marvelous opportunity to provide master-level courses that presently are not available to our classroom teachers," said Dorothy D. Moore, dean of the College of Education.

The ultimate goal, said Moore and Brian C. Hodgkin, dean of the School of Applied Science, is to close the gap between what's happening in research labs and what's taught in the classroom, and consequently generate some excitement among students for the sciences.

Recruitment of classroom teachers who will take the Earth Systems Science program is expected to begin later this spring. The program is funded as part of a four-year, \$600,000 NASA grant which has been awarded to the Maine Science and Technology Commission. The NASA grant will cover tuition fellowships for the classroom teachers.

As part of the grant, a consortium of Maine universities, colleges and research-based organizations has been formed to establish direct educational and industrial linkages with NASA's research and education programs. Hodgkin, a member of the Maine Science and Technology Commission's advisory body on statewide research issues, will lead that effort. USM's Production Technology Center, under the direction of Ivan G. Most, will coordinate plans to transfer NASA-related technologies to Maine industry.

Global Perspective

■ **Susan J. Cook**, assistant professor of social and behavioral science, Lewiston-Auburn College, **Charles S. Colgan**, associate professor of public policy and management, Muskie Institute of Public Affairs, and **Kathleen M. Ashley**, professor of English, have written an article, "The Call for Internationalization of the University: Is Anybody Listening?" which summarizes the findings from the Student Global Interest Survey conducted at USM during the spring of 1990. The article will be published in *Inquiry: Critical Thinking Across the Disciplines*, a journal of the Institute for Critical Thinking at Montclair State College, N.J.

■ **Don Bouchard**, assistant professor of literacy education, was awarded an Academic Specialist Grant from the United States Information Agency to conduct an English teaching methodology workshop for Serbian secondary school English teachers in Yugoslavia from June 23 through July 3. He will explore second language literacy instruction and examine whether the unique characteristics of English promote or inhibit the development of second language literacy there.

■ **Bruce Scott Fithian**, associate professor of music, was in Rome in January and February conducting research in early Baroque music at the libraries of the Vatican and Santa Cecilia Conservatory. As a result of this research he will present a lecture demonstration titled "The Tradition of Vocal Improvisation in the Sistine Chapel" at the 10th Aston Magna Academy in Rutgers University, N.J. As a member of the artist faculty, he will also conduct master classes and perform works of Monteverdi at the Academy's concerts.

■ **Bruce MacLeod**, assistant professor of computer science, has been invited to attend a two-day working group in Amman, Jordan at the UNICEF Middle East and North Africa Regional Office. The sessions will discuss the design and implementation of a regionwide information database for indicators related to the goals and targets set by UNICEF for its programs of the 1990s.

■ **Richard L. McKeil**, professor of associate business and economics, just returned from the Soviet Union where he taught a month-long economics course which he created on the American free enterprise system at the Archangel branch of the Institute for Finance and Economics, based in Moscow.

■ **Richard Steinman**, professor emeritus of social work, delivered the opening address at a national Hungarian social work conference in Budapest on February 25. The conference's theme, integrating the various levels of social work and social service education and practice, was selected in response to Steinman's challenge posed to the Hungarian social work profession at a previous national conference.

■ **The Department of Social Work** is hosting Maria Bognar, an education planner and research fellow at the Center for School Development, National Institute of Education in Hungary. She will sit in on courses and confer with department faculty on social work practice, especially that related to children and youth. Bognar will be visiting USM April 24 through mid-summer.

Research

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and state agencies," said Goettel.

The federal government awarded 28 percent of the \$7.2 million for research and training projects. Another 30 percent was funded by a combination of state and federal agencies, while 20 percent was awarded by state agencies. Foundations and related groups funded 23 percent of the awards on hand.

The total lifetime value of the 220 projects now underway at USM, when calculated through the 1994-1995 fiscal year, tops \$16.7 million.

Among the research and training projects at USM are:

*A \$125,000 National Science Foundation study to transfer the nitrogen metabolism that occurs in the root systems of oat plants to the leaves. This transfer, if accomplished, would increase the production of oats, alfalfa, soybeans and peas. Thomas J. Knight, USM assistant professor of biology, is conducting the study with colleagues from the Los Alamos National Laboratory, New Mexico State and Rockefeller University.

*A \$400,000 grant from the U.S. Department of Health and Human Services to improve the understanding of and services to runaway rural youth who are using drugs. The Human Services Development Institute (HSDI), an applied, social science research unit in USM's Muskie Institute for Public Affairs, is conducting the study. The Muskie Institute, and in particular HSDI, accounts for \$3.5 million of the \$7.2 research and training monies at USM. HSDI also is

developing training for school substance abuse coordinators, studying the effects of increases in Maine Medicaid physician fees, and researching the effectiveness of an adolescent AIDS prevention and education program.

*\$63,000 in grants from the U.S. Geological Survey and the National Science Foundation to study a dead earthquake fault system that runs along the Maine coast. Mark T. Swanson, USM associate professor of geology, says the fault can give us information on how faults can develop and how current faults are now working at lower depths.

*A \$12,400 grant from the Maine Humanities Council to develop a visual and historical record of the Maine Grange. USM assistant professor of art Rose Marasco is documenting the organization, which once boasted more than 500 chapters, including the largest in the country. She will be mounting a statewide travelling exhibition, a version of which will be available to schools and civic groups.

"We're pleased with our research and training efforts," said Goettel, "because they not only support USM's educational mission but benefit many people in the state and region."

Maps

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Dahl of the National Archives of Canada, Susan Danforth of the John Carter Brown Library, Ronald Grim of the Geography and Map Division of the Library of Congress, Barbara B. McCorkle, map curator at Yale University Library, Samuel F. H. Smith, representing the L.M.C. Smith family, and Harold L. Osher. In addition to reviewing the operating agreement for the collection, collection management and budget, their responsibilities include review of annual reports on the collection, advising on incorporation of the maps into academic programs, and advising on disposition of collection items.

The Osher Map Collection, more than 600 separate maps and several thousand maps and charts contained in atlases, histories and other publications, includes rare maps, globes and atlases dating from the late 1400s to the 19th century. Many represent early exploration of the Americas. The L.M.C. Smith Collection also contains some 600 maps and globes. Both collections will be housed in the Osher Map Library on the first floor of the Portland library.

What We're Doing

JOAN AMERLING, director, Placement, Alumni Relations and Development, School of Law, chaired a panel titled, "A Challenge for All Seasons," at the Northeast Regional Conference of the National Association for Law Placement, held in Philadelphia, January 31-February 2.

JOHN W. BAY, director, Division of Off-Campus Instruction and Academic Support and associate professor of economics, spoke on "Reaching for the American Dream: Economic Policy for the Future," to the League of Women Voters on March 27.

DAVID A. BRIGGS, assistant professor of computer science, gave a talk, "Short-cut Paths and Boundedness of Linear Recursions," at the University of Maine at Orono and at Boston University on April 1 and April 3, respectively.

DOMENICA T. CIPOLLONE, acting director, International Programs, spoke to conferees at the annual support staff workshop sponsored by NAFSA: Association of International Educators at Tufts University. She presented a session on the "Role of the Foreign Student Advisor," and described the benefits of the professional association in international education. Cipollone serves as New England chair-elect of NAFSA.

DEBORAH DEVINE and JAYNE D. B. MARSH, research associates, Human Services Development Institute, gave a presentation titled "Project AIMS: Strengthening the Foundations of Emotional Health in Early Childhood," at the C.H.E.R. Attachment Disorder Symposium, March 14-16 at Southern Methodist University, Dallas.

BHISHAM C. GUPTA, professor of mathematics and statistics, gave a seminar on April 5 titled "Some Results on Search Factorial Designs of the Type 2m" in the Department of Mathematics of the University of Maine, Orono.

MICHAEL S. HAMILTON, associate professor of political science, presented a paper titled, "Is Canadian/U.S. Free Trade Consistent with Public Convenience and Necessity in the New England States? Regulation, Imported Electricity and Domestic Alternatives in Maine" at the annual meeting of the Western Social Science Association in Reno, Nev. in April. Recently he was selected for the 1991 edition of "Who's Who in American Education."

JOHN R. HEATH, professor of computer science, and MUHAMMAD A. EL-TAHA,

assistant professor of mathematics, are co-authors of a paper titled, "A Model of Channel Allocation in Multichannel Local Networks," which appears in the journal *Computers and Operations Research*, volume 18, number 3, 1991.

JOHN HORNSTEIN, project director, Parents in Partnership project, Human Services Development Institute, will present at the Association for the Care of Children's Health, 26th annual conference, "Our Changing Society: The Challenges of Caring in the 1990s," May 26-29. The title of his presentation is "Strengthening the Foundations of Emotional Health in Early Childhood."

JUDITH L. JOHNSON, director, Testing and Assessment Center, presented a paper titled, "The Impact of Distance Education and Instructional Television on Student Evaluation of Course: A Causal Model," at the annual conference of the American Educational Research Association, April 1991, in Chicago, Ill.

RITA KISSEN, associate professor of professional education, spoke on "Multicultural Literature for the Early Adolescent" at a meeting of the Cape Elizabeth Middle School Parents Association on March 20. She also presented a workshop on multi-ethnic literature for middle and high school classrooms for the SEEDS (Seeking Educational Equity and Diversity) Seminar sponsored by the Teachers Academy and the Wellesley College Center for Women, and a classroom program for National Women's History Month at Lyman Moore Middle School in Portland, both in March.

JAYNE D. B. MARSH, research associate, Human Services Development Institute, will make a presentation titled, "Infant Mental Health: Challenges to the Traditional Health Care Provider," at the fourth annual conference of Maine Association for Infant Mental Health, Inc., "Directions in Infant Mental Health" in Portland on May 17.

SUSAN E. PARTRIDGE, consultant/Infant Telecourse project coordinator, Human Services Development Institute, will be the keynote speaker at the fourth annual conference of the Maine Association for Infant Mental Health, Inc., "Directions in Infant Mental Health" in Portland on May 17. Her address will be "Infant Mental Health Practice: Pitfalls and Pathways."

ROBERT M. SCHAIBLE, assistant professor of literature and writing, Lewiston-Auburn College, directed a workshop on "Team Teaching: Process, Problems, Re-

wards" at the second annual Regional Middle School Conference, Lewiston, on March 15.

EUGENE P. A. SCHLEH, professor of history, is editor of a new compilation titled, "Mysteries of Africa," published by Bowling Green State University Press.

DAVID L. SILVERNAIL, director, Center for Applied Research and Evaluation, College of Education, presented two papers at the annual meeting of the American Educational Research Conference, April, 1991, in Chicago, Ill., titled, "The Impact of Instructional Television on Student Evaluation of Instructors," and "The Relationship Between Teachers' Grouping Preferences and Their Educational Beliefs."

WILLIAM STURNER, professor of management, recently presented workshops on "Metaphors and Models of Creative Leadership" and "Risking Change: Experiential Applications for Innovative Leadership" at the European Management Congress in Prague, Czechoslovakia. Sturner also helped to design and then chaired the special "Summit Meeting of the Global 100" in Vienna, Austria sponsored by the World Council for Gifted and Talented Children.

YOLANDA THEUNISSEN, library associate, Cartographic Center, will participate in the 35th Special Project at the Library of Congress Geography and Map Division this summer. Project members may select a total of 6,000 maps, charts, and atlases from available L. C. duplicate stock for transfer to their sponsoring institutions.

BILL THORNTON, assistant professor of psychology, recently had a paper he co-authored, "Observer Hypercompetitiveness and Victim Precipitation of Rape," published in the *Journal of Social Psychology*, 1991.

KAREN TILBOR, research associate, Human Services Development Institute, was interviewed on her project, "Helping Incarcerated Parents," by *The Boston Globe* and by MPBN.

THOMAS M. WARD, professor of law, presented a seminar on "Law and Literature," for high school and middle school teachers as part of the annual program of the Maine Council for English Language Arts on March 14. He also served as consultant and reviewer for the American Bar Association in the preparation of its recent publication "You and the Law" (Publications International, Ltd. 1990)



Currents
Office of Media Relations
96 Falmouth Street
Portland, ME 04103

NONPROFIT
ORGANIZATION
U.S. POSTAGE
PAID
PORTLAND, ME
PERMIT # 370

Editors and Writers Robert S. Caswell, director;
Susan E. Swain

Sports Information Albert D. Bean Jr.
Editorial Assistance Judie A. O'Malley

Currents is published bi-weekly on Mondays throughout the academic year. Materials should be submitted no later than Friday noon, 17 days prior to publication to: Media Relations, 96 Falmouth Street, Portland