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# UMASS BOSTON NEWS & VIEWS

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OFFICE OF PUBLIC INFORMATION

## Healey Awards granted to 17 from UMB

UMass/Boston representatives hauled down 17 Joseph P. Healey Awards and nine Public Service Endowment Fund awards, according to UMass President David C. Knapp.

The Joseph P. Healey endowment fund was named by the Board of Trustees in 1981 for the late Mr. Healey who was chairman of the board for over 11 years. The endowment supports research through providing funds for equipment, travel, research assistance or release time.

The purpose of the Public Service Endowment Fund, established by the board of trustees in 1982, is to serve as an internal university source to deliver public service to the state through specific projects.

Boston faculty receiving Healey grants, their projects and amount of funds are:

- **Kamaljit Bawa.** Reproductive Biology and Population Genetics of Endangered Plant Species, \$3,840.
- **E. Carbello.** Health Care Utilization and Method of Payment by Latino Elders, \$2,200.
- **Linda Dumas.** Outreaching Columbia Point Elders, One Year Follow-Up, \$1,160.
- **Joseph Dyer.** Research Trip to Microfilm Archives of Liturgical Chant Manuscripts in Solesmes and Erlangen, \$700.
- **Eugene Gallagher.** Immunocytochemical Identification of the Pollution Indicator *Capitella* sp., \$3,500.
- **Ellen Greenberg.** Investigation of Internal and External Factors Influencing Creativity in Research and Development Firms, \$2,200.
- **Lawrence Greene.** Co-evolution of "Quinine" Taste Sensitivity and Glucose-6-Phosphate Dehydrogenase Deficiency in Human Populations, \$4,000.
- **Candace Hetzner.** Thatcherism and Creation of a New Consensus: The Shifting Balance of Public and Private, \$2,800.
- **Richard Horsley.** Religion and Social-economic Structure in Second Temple Judea, \$2,200.
- **Monica McAlpine.** Chaucer, the Peasants' Revolt and the Adamic Myth, \$2,200.
- **Terrence McLarney.** Changing the Rules: Legal Strategies and Tactics for Influencing Government Agencies, \$2,000.

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## UMB's first Academic All-American honored



UMass/Boston's first academic All-American, sophomore wrestler Joseph Madden of Quincy poses with special plaque with Chancellor Robert A. Corrigan. Left to right: wrestling coach Joe Police, Assoc. Athletic Director Mary Barrett, Madden, Corrigan, Harold Horton, the Athletic Department's Academic Advisor. Madden compiled an overall 12-7 record wrestling in the 158-pound class. He has been a dean's list student in all his semesters at UMass/Boston.

## Dr. Gore to study teen stress with NIMH grant

Professor Susan L. Gore of UMass/Boston's Sociology Department has obtained a three-year grant in excess of \$500,000 from the National Institute of Mental Health to study stress and its mental health effects in high school teen-agers.

The overall goal is to determine how relatively healthy adolescents cope with the challenges and problems of the high school years. The effectiveness of their coping should be reflected in measures of their psychological and social well-being.

An important question among both practitioners and researchers has been what makes some people more vulnerable to the impact of stresses and negative life events than others.

Dr. Gore and her co-principal investigator, Dr. Mary Ellen Colten of the University's Center for Survey Research, will collect data from over 1,000 young people in three Greater Boston high schools.

"Nearly all previous studies have shown that females have much higher rates of depression than males," said Prof. Gore. "We want to look at the differences between the sexes as a starting point. Virtually all studies relate depression and gender."

"The basic idea is to understand the factors that go into those differences. We will focus on basically



Dr. Susan L. Gore

normal kids. Previous studies have involved mental illness. Very few studies have focused on relatively normal kids in a high school setting. That's what we're doing."

Professor Gore will conduct pilot studies this fall involving focus groups with diverse types of students to identify issues from their point of view. High schoolers from the ninth to eleventh grades will be interviewed the first year and they will be reinterviewed one year later.

Administration of a more

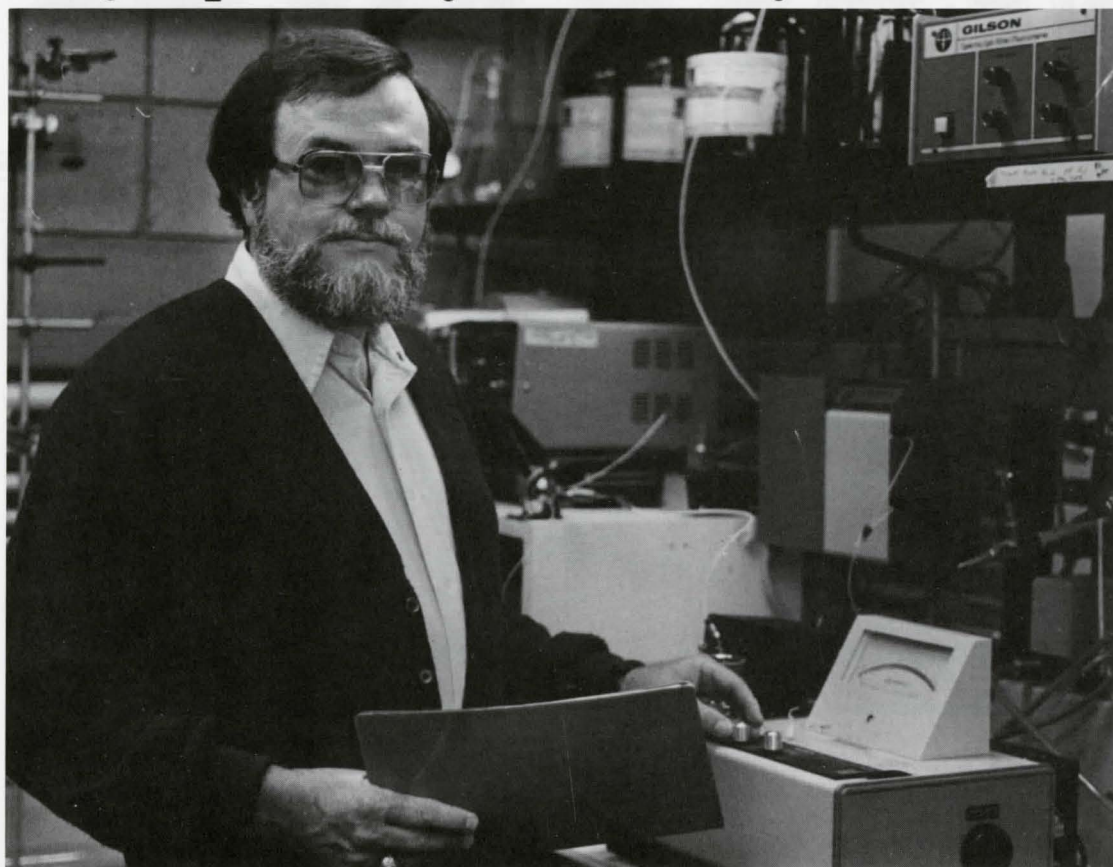
standardized one hour interview will start after Christmas. The total sample of 600 male and 600 female high school students will be interviewed face-to-face twice, with a one-year interval between interviews. Information obtained during the interviews will cover stressful life events, chronic stressors, perceived stress, coping strategies, social supports, other moderating variables (e.g., personality factors, self esteem), mental health and behavioral outcomes, as well as demographic and background characteristics of the respondent.

"Throughout my career at UMass/Boston since 1976, I have worked on mental health effects to stress, factors that promote mental health and how to moderate the negative effects. Understanding the social and social psychological factors that go into those differences, that's the basic idea," said Professor Gore.

Dr. Gore, a resident of Brookline, obtained her Ph.D. from the University of Pennsylvania. Her husband Neil is a clinical psychologist. They have a son, Zachary.



# Dr. Joseph Cooney directs study of Boston Harbor pollution



Dr. Joseph Cooney, Director, Environmental Science Program.

There's treasure in Boston Harbor, but not the kind you bank.

"Boston Harbor and its 31 islands are a treasure of information on marine life and pollution. The potential in environmental studies is rich. With research we can learn techniques to retard, clean-up and reduce pollution," says Professor Joseph Cooney, Ph.D., director of Environmental Sciences at UMass/Boston's Harbor Campus.

The Environmental Sciences department was the first doctoral program at UMass/Boston.

Cooney says the harbor is beautiful and important for its many uses – transportation, recreation, commercial fishing, commerce, residential and business development along waterfront property.

"Yet, Boston Harbor is poorly understood and it is polluted. Not much has been published about it, in contrast to other large harbors," says Cooney, who formerly headed the Chesapeake Biological Lab at the Center for Environment and Estuarine Studies, University of Maryland.

Urban harbors, like Boston's waterways, have been long neglected, says Cooney, a microbiologist.

"Other areas of the nation now seem committed to cleaning up their urban waters. We must too," he continued.

*"It's essential we all understand and appreciate the problems of pollution in aquatic systems... Right now, a prime problem is the quality of the water we drink"*

Timing, need and location came together when UMass/Boston decided to institute its first doctoral program.

"We didn't want to duplicate programs going on at our sister colleges. Being a Massachusetts University, we wanted a field that would contribute back to the Commonwealth. With waterways pollution the tremendous problem it is, affecting what we eat, what we drink, where we live, etc., what better area to tackle than Environmental Sciences?" asks Cooney.

The doctoral program was inaugurated in the Fall of 1982.

Cooney explains there are four types of environmental science programs in institutions of higher learning:

- In medical schools, the focus is on public health issues.
- In law schools, it is environmental law.
- In civil engineering, buildings, roads, power plants, et al and the effect on the environment is included.
- Basic science courses in

colleges and universities teach chemistry, physics, biology and math.

The UMass/Boston program added a unique extra to the curriculum.

"Our objective is to train people in hard sciences – chemistry, physics, math, biology, and pollution studies – and to give them some knowledge along the way in management and environmental studies," said Professor Cooney.

Ultimately, the hard science researchers may work in public regulation agencies working with specialists from medical, law and engineering fields. Other graduates of UMass/Boston's Environmental Sciences Doctoral Program work in management agencies, consulting firms, labs.

"Our graduates are able to enter any aspect of environmental science which includes basic biology and chemistry and are able to interface with those in all areas of environmental sciences."

The UMass/Boston doctoral

program attracted faculty and students from across the nation.

The faculty includes specialists in chemistry, both metals and organic, physics, biology, microbiology (the study of microbes that transform chemicals in the water), tides and currents, as well as in marine life on the ocean bottom. For example, flounders are bottom-dwellers.

The program was the recipient of two grants: a Public Service Endowment from the Amherst campus of the university; a "challenge" grant from the *Boston Globe* Foundation, to study whether fish of Boston water are safe to eat.

The university sponsored study includes both flounder and softshell crabs; the *Globe* study is limited to flounder.

The university's commitment to environmental science and to aid those in intersecting disciplines to learn how to interface with one, encourages the faculty to go beyond the campus boundaries. The scientists have conducted seminars at other schools and institutions. They've contributed hundreds of free hours to the Metropolitan District Commission (MDC), the Department of Environmental Quality Engineering, Massport and the Sargent Commission on water quality in Boston. The faculty has also worked with the Boston Harbor Association, Peddocks Island Trust, and Friends of Boston Harbor Islands, both as a resource and to comment on environmental proposals.

"It's essential we all understand and appreciate the problems of pollution in aquatic systems. If the courts ban new sewer hook-ups or no new construction, that certainly brings the problem home. Right now, a prime problem is the quality of the water we drink," said Cooney.

He recalled how American tourists going abroad were warned not to drink the water.

"Now, the European tourists warn each other not to drink the water in America. Many of our towns, right now, use bottled water," he continued.

The UMass/Boston Environmental Sciences Ph.D. Program is training experts to improve our H<sub>2</sub>O.



## Briefly...

The Massachusetts Federation of Nursing Homes honored UMass/Boston Nursing Professor Frances Portnoy, R.N., Ph.D. of Newton, with its Better Life Award. It was established to recognize individuals and groups that have made outstanding contributions to the quality of life of nursing home residents.

Prof. Portnoy is also director of a federal grant to interest and prepare nurses for careers in long-term care.

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Richard Schilling, a member of the Music Dept., performed a solo guitar recital in McCormack Hall recently. Mr. Schilling's recent compact disc "The Music of Mauro Giuliani" on Centaur with flutist Virginia Sindelar was "highly recommended" by *Fanfare* magazine.

□

Prof. Irving H. Bartlett, Daniel Webster biographer and John F. Kennedy professor of American Civilization, was quoted at length in a recent *Boston Globe* article written by David B. Wilson.

Dr. Bartlett has a piece on Webster in the current issue of the *New England Journal of Public Policy*, produced by the McCormack Institute.

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Dr. Robert W. Guimond, Professor of Biology, recently appeared on ABC's "20/20" news journal. Guimond, a lawyer, assisted the producers in their preparation of a segment on military medical malpractice. That segment featured two veterans who were victims of negligently-rendered medical care while on active duty. Dr. Guimond focused on the inequities and legal impediments engendered by the present application of the law.

Dr. Guimond has researched the matter extensively and has long advocated changes in the law which currently deny active duty victims of medical neglect the right to seek legal redress in our Federal Courts.

Dr. Guimond has petitioned the U.S. Supreme Court in an effort to change the law and has, in recent years, appeared before several U.S. House Judiciary Subcommittees to provide expert testimony in support of various bills that would restore to service-persons the same rights that civilians have in instances of negligent medical care.

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Among the winners of the Classified Distinguished Service Awards were, left to right: Marion Sullivan, Alumni Affairs; Jim Ball, Copy Center; and Margaret (Peg) Burnett, Physical Plant.

## UMB honors 16 Classified Staffers with service awards

Sixteen members of the Classified Staff received Distinguished Service Awards from Chancellor Robert A. Corrigan.

"Congratulations on this honor. I look forward to your continued contributions to the University," said Chancellor Corrigan.

The awards included a bonus payment of \$500.

The recipients are: James Ball, Copy Center; Margaret (Peg) Burnett, Physical Plant; Joyce Carbone, Academic Support; Mary Donovan, CM Student Services;

Paul Gallivan, hockey rink, Athletics; Susan Griffin, Analysis & Communication; Barbara Graceffa, English.

Also: Denise Harrington, Biology; Alice LeBlanc, Career Services; Hilda McKenna, Financial Management; Joseph Pasakarnis, Physical Plant; Keith Pyle, College of Management; Ellen Ronayne, Enrollment Services; Mary St. Peter, Dean's Office, CAS; Marion Sullivan, Alumni Affairs; Norma Scholz, Auxiliary Services.

## Prof. James Collins receives Doctorate of Education degree

Professor James F. Collins received a Doctor of Education degree at UMass/Amherst.

Dr. Collins' doctoral dissertation was entitled: "A Program Design For a Baccalaureate Degree Program For Approved Vocational Teachers in Trade and Industrial Education."

His study addressed the national concern about the quality of public school teaching as it relates to occupational teacher training and established a practical mechanism for action in developing a baccalaureate program for Boston-area trade and vocational teachers.

Dr. Collins is a former teacher in the Everett public schools and served as Associate Professor of Education at Boston State College.

He has served as Chairman of the Elementary and Secondary Education Departments and as Associate Director of the Institute for Learning and Teaching at UMass/Boston.



Dr. James F. Collins

Dr. Collins recently returned from Washington, D.C. where he served as a review panelist for the U.S. Department of Education's Secondary School Recognition Program.

## Prof. Natale receives degree from UMA

Professor Philip W. Natale, Jr. of The Institute of Learning and Teaching, received a Doctor of Education degree from UMass/Amherst.

Dr. Natale entitled his doctoral dissertation: "The Centrality of The Internship Experience in the Pre-certification Education of Asian-American Teacher Certification Candidates."

It was a Boston-area and national study. The research dealt with administrative, multi-cultural and certification issues facing minorities in public education.



Dr. Philip W. Natale, Jr.

Professor Natale served previously as principal of Middleboro Junior High School and was affiliated with public schools in Natick and Lynn.

At Boston State College, he was graduate program director of the Career Information Program and was founding director of the Freshman Studies Program.

A graduate of Boston College, Dr. Natale has a Master's degree from Boston State College and a Certificate of Advanced Graduate Study from Boston University.

He is married and has three sons, two daughters, two grandsons and a granddaughter. He lives in Newton.

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## Healey, Public Service Awards announced

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- **Joseph Reed.** Requirements for Developing and Sustaining Business/Government Partnerships at State and Local Levels.
- **Lois Rudnick.** Los Gallos: An Architectural and Cultural History of the Mabel Dodge Luhan Estate. \$2,400.
- **Charles Shively.** Walt Whitman's Drum Beats. \$800.
- **M. Sugumaran.** Studies on Insect Immunity II. Mechanism of Prophenoloxidase Activation in *Manduca sexta*. \$3,500.
- **Robert Weiss.** Study of Retired Men and Women who had been Occupationally Successful. \$3,000.
- **Bette Woody.** Options for Improving Workplace Health Coverage of Low Income Working Women. \$2,200.
- Total UMass/Boston: \$41,700 (Healey Total: \$140,369).

### Public Service Grants

- **Vincent Deare.** Financial Aid Information: A Cable Television Series. \$5,000.
- **Linda Dumas.** Columbia Point Home Health Assessment. \$6,900.
- **Paul Houlihan.** Public Policy Specialists Program. \$5,000.
- **James Jennings.** Involving Hispanic Parents in the Learning Process. \$3,000.
- **Joseph McHugh.** The Government Financial Management Form. \$3,000.
- **Julia Perez.** Black Women Veterans Oral History and Social Agenda Project. \$5,000.
- **Barbara Singer.** Interactive Video for Reading Instruction. \$5,000.
- **Deborah Sussewell.** A Conference on Transference and Empathy in Psychotherapy with Asian Americans: Theoretical and Practical Issues. \$5,000.
- **Ann Withorn.** Resource for Change: Preserving the Tradition of the Blackman Home Service Committee. \$4,000.
- Total: \$41,900 (of \$137,150).

## Briefly...

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Albert P. Cardarelli was recently appointed by the President of the American Society of Criminology to serve on the National Policy Committee for 1987-88. Major issues to be developed this year include prison overcrowding and the death penalty.

Cardarelli is a senior staff associate with the McCormack Institute.

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Shulamit Wurmfeld, a lecturer in the School of Nursing, has been appointed to the Malden Mayor's Council on Aging, the youngest member ever to serve that group.

Ms. Wurmfeld presently is clinical instructor for Project Nursing Outreach in the Malden

## Prof. Lynton co-authors book with Sandra Elman



Dr. Ernest Lynton



Prof. Sandra Elman

Commonwealth Professor Ernest A. Lynton and McCormack Institute senior associate Sandra E. Elman have collaborated on a book, *New Priorities For the University—Meeting Society's Needs for Applied Knowledge and Competent Individuals*.

The book is published by Jossey-Bass, Inc., San Francisco, (\$19.95).

Dr. Lynton and Elman explain how universities must shift their

priorities in order to adapt and effectively serve the changing needs of today's society. Universities should help to develop applications for new advances in knowledge and serve as major sources of expertise and assistance for legislatures and government agencies, businesses, community agencies and the public at large as they grapple with complex problems in all areas of human activity.

An analysis of the Massachusetts labor market, studying the impact of a proposed tax change, modeling the flow of water in Boston Harbor—such professional services are of great importance to the Commonwealth and should become a valued component of faculty activity, they write.

Lynton and Elman state that these activities can also contribute a lot to the education of the students at the university.

Dr. Lynton, a resident of Brookline, is a senior associate at the John W. McCormack Institute of Public Affairs as well as a lecturer at the Harvard Graduate School of Education. He did undergraduate and graduate study at Carnegie Institute of Technology and Yale University. In 1965, he became the founding dean of Livingston College, a new unit of Rutgers University. He came to UMass/Boston in 1973 as the first vice-president for academic affairs.

Ms. Elman, a Lexington resident, received a BA in political science and history from Hunter College and a Ph.D. degree in higher education administration and planning from the University of California at Berkeley. Her current research interests center on public policy analysis, particularly as it relates to urban planning and university-industry linkages.

## Ventresca Memorial Scholarships awarded

Melissa Menton of Boston and Scott F. Toner of Cambridge are the 1987 recipients of Michael A. Ventresca Memorial Scholarships at UMass/Boston, announced Alumni Director Joseph O'Brien.

Ventresca was a well-known political organizer and lobbyist. He was killed in a tragic automobile accident in December, 1985, just a few blocks from his Beacon Hill house. Ventresca was president of the first graduating class at UMass/Boston.

Ms. Menton attended Watertown High School. She intends to major in Political Science at UMass/Boston and has aspirations for a legal career.

Toner, a 1987 graduate of Matignon High School, also intends to major in Political Science. He was active in a number of high school activities including Students Against Drunk Driving (SADD), the school newspaper, football, baseball and the photography club.



Ventresca Scholarship winner Melissa Menton of Boston is flanked by Vice Chancellor Edward C. O'Malley, left, and Alumni Director Joseph O'Brien.

Senior Center, working closely with Director Neicie Degan.

□

The William Joiner Center for

the Study of War and Social Consequences recently was cited in a *New York Times* article (9/14/87) for its work in exploring the Vietnam experience.

The Center participated in a national program in Washington, D.C., an exhibition of visual art, video, photography, writing and artifacts.