

# SPECTRUM

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## House considers Sen. Mathewson's bill

"This is the major issue in the Missouri General Assembly and it has become the foremost topic of discussion in the state because of years of effort by Missourians for Higher Education and the courageous leadership of Sen. Jim Mathewson and the support of other legislators," according to C. Peter Magrath, president of the University of Missouri System.

The issue is Senate Bill 353 — the "Economic Survival Act of 1991" or "The Mathewson Bill" — which continues to be scrutinized in the Missouri House of Representatives following its 24-10 passage by the Senate. A committee vote is likely by the time *Spectrum* is published. If the bill is passed out of committee, a vote of the full House also may be taken about the time *Spectrum* is being distributed. Differences between the Senate and House versions would be assigned to a conference committee. Resulting legislation would be taken to a statewide referendum the first Tuesday in November.

Wednesday, April 10, was an eventful day for the bill:

- Hearings on SB 353 were held by the House Budget Committee. A host of supporters of the bill, representing Missouri business and industry, testified on behalf of the measure, as did representatives of Missourians for Higher Education, including Magrath and UM System Curator Sam Cook, chairman of the Missouri Business and Education Partnership Commission.

- Approximately 800 college and university students from throughout the state rallied at the Capitol in conjunction with the fourth Annual Student Lobby Day, sponsored by the Associated Students of the University of Missouri.

- The New York Times ran a major article outlining efforts to link reform and funding in Missouri higher education.

- Speaker Bob Griffin held a 5 p.m. news conference, featuring Sen. Mathewson and a lineup of private-sector supporters of the bill, headed by Henry Bloch, CEO of H&R Block of Kansas City.

- Griffin later that night also described to the



House Budget Committee a substitute bill that would raise the price of the legislation from \$456 million to \$671 million by boosting elementary and higher education funding.

- Gov. Ashcroft, in an address to the Missouri Chamber of Commerce and Associated Industries of Missouri, was not critical of higher education's part of the bill but expressed dissatisfaction with the lack of "reform" accompanying new funding for elementary and secondary education.

- Missourians for Higher Education urged organizations representing elementary and secondary education to consider various reform measures — as higher education has done — to encourage broadened support of increased education funding.

"The situation is extremely fluid," according to Jim Snider, assistant to the president for state governmental affairs, "because support shown for the Mathewson bill has attracted great interest from other state-funded services."

Speaker Griffin has indicated that he believes the Mathewson bill is too limited, but that an omnibus proposal requiring funding at a level approaching \$1 billion is too expensive.

"Whatever happens, those of us who have worked so hard for so long on behalf of higher education can take satisfaction in the knowledge that the issue has been put before the people of the state," Magrath says. "We have made it necessary for them and their elected representatives to face the future of education in Missouri and to deal with it."

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## State Historical Society displays long-lost landscape in Bingham exhibit

From now until the end of July, visitors to the Missouri State Historical Society will be able to view a rare and long-lost landscape painted in 1878 by George Caleb Bingham, the University of Missouri-Columbia's first professor of art.

Nelson A. Rieger, a Colorado Springs art collector, bought the unidentified painting at an auction in 1978 because he was interested in Colorado Rockies landscapes. In 1990, after a great deal of research to identify the artist of the painting, Rieger contacted Sidney Larson, curator of the historical society's fine arts collection and an authority on Bingham's work. Larson concluded that the painting is an authentic Bingham. The painting is on loan from Rieger for the exhibit.

The painting, titled "Colorado Landscape, View of Pikes Peak From Greenland," is the centerpiece of the exhibit which also displays more than 25 of the society's own Bingham works — the largest public collection of Bingham canvasses. The exhibit contains the recent portrait acquisitions of Alexander Doniphan, Elizabeth Doniphan and Odon Guitar.

State-supported, the society has shared quarters with Elmer Ellis Library on the UM-Columbia campus since 1915.

"Since 1985 the society has acquired several

Bingham portraits, all of them fine representations. Recent interest in Bingham has resulted in a major exhibition at the National Gallery of Art in Washington, D.C., and at the St. Louis Art Museum, plus two new books about the artist," says James W. Goodrich, executive director of the State Historical Society.



James Goodrich in front of "View of Pikes Peak"

"The Colorado landscape is a highlight of the exhibition because of its recent authentication. It's not often that a lost Bingham landscape shows up. The society really appreciates

the opportunity to display the landscape, so that Missourians will have a chance to view it without leaving the state."

Bingham painted the landscape in Kansas City from sketches he made while visiting Colorado Springs with his third wife, Mattie, on their honeymoon in 1878. It is one of only 50 landscapes the artist executed and the last panoramic painting he did before his death in 1879.

Bingham sold, or rather traded, a Kansas City businessman the painting for the deed to 160 acres of farm land in Linn County — land valued at \$2,000 at the time. The painting was sold again sometime between 1903 and 1918 to a Denver coal magnate who left it to his wife, Madge Fursman Huff. It was her antiques, paintings and furnishings that were auctioned the day Nelson Rieger bought the painting in 1978.

"This painting provides a rare opportunity for State Historical Society visitors to see a splendid and unique product from the hand of Missouri's most important 19th century artist," says Sidney Larson.

The exhibit is open from 8:30 a.m. to 4 p.m. Monday through Friday, except holidays, in the society's art gallery located in the east wing, ground floor of Ellis Library at UMC, until the end of July.

## "News bites" radio service puts UM System experts on the air across the state

Radio stations in four states and more than 30 cities are taking advantage of an innovative news service provided by the UM System Office of University Relations and UM-Columbia Extension and Agricultural Information.

The service, called News Bites, allows experts from all four campuses and University Extension to discuss timely issues in their areas of expertise and to have their comments broadcast by radio stations throughout Missouri and in bordering states. Every day at least four prepackaged reports are made available on a toll-free service. Radio stations call the number and record the reports. New digital technology allows for a "cleaner" sound to be transmitted over the phone system.

"News Bites caters to radio stations' needs," says Steve Banning, radio producer/director. "A reporter at a radio station just needs to record the report, write an anchor lead-in, and it is ready to air."

"The service has been extremely successful thus far. Stations we are in contact with in Kansas City, Springfield, Columbia, Rolla and St. Louis use the service frequently. We get calls from stations in Iowa, Kansas, Illinois and Missouri." An average of more than 500 calls are received each month for a cost of around \$260 to the University.

"No other radio news service can provide the experts News Bites offers — the faculty and staff of the UM System."

When Sen. James Mathewson introduced "The Economic Survival Act of 1991" Jan. 24, News Bites carried information on the bill radio stations couldn't get anywhere else. Radio stations from every part of the state were eager to get the information, Banning says.

The service features reports from the Board of Curators meetings and other news, such as the resignation of the chancellor of the University of Missouri-Rolla.

The service utilizes the resources of all four campuses, covering a wide spectrum of topics.

"No matter what subject a radio station is interested in, News Bites probably has an expert," Banning says. "Cooperation from faculty at each campus has been tremendous."

The service airs four stories a day or 20 to 25 stories a week, he says. "We're always open to suggestions for story ideas. We're looking for anything that's newsworthy on any of the campuses."

The service fills a void in the University's public information program, says Maurice

Manring, manager of media relations for System University Relations. "Traditionally, it's been hard to target news for radio stations because radio uses audio rather than visual or print images and stations do not respond to press releases."

The service is an example of cooperation between a System department and a campus department. University Relations and UMC's Extension and Ag Information share the costs of the service, which has been expanded to include radio stories about the entire University System.

## Wallace named interim director of University Extension

UM System President C. Peter Magrath has named Richard Wallace, vice president for academic affairs, to serve as interim director of University Extension until a permanent replacement for Gail Imig is selected. A search committee is currently working to identify candidates.

Imig's departure is scheduled for June 1.

Members of the committee: Chairman Ron Turner, special assistant to the president; Al Black, regional director; Daryl Buchholz, UM-Columbia extension agronomy specialist; Bev Coberly, home economics specialist; Brady Deaton, chairman of the UMC agricultural economics department; Juanita Donehue, executive director of the Missouri Association of Counties and member of the President's Advisory Council for University Extension; Barb Froke, associate dean of extension in the UMC College of Human Environmental

Sciences; Tom Henderson, community resource development program director; Rufus Jones, chairman of the Lincoln University Division of Food and Agricultural Sciences; Terry Jones, dean of the UM-St. Louis College of Arts and Sciences; Charles Kruse, director of the Missouri Department of Agriculture and UM System curator emeritus; Lowell Mohler, executive secretary of the Missouri Farm Bureau and member of the President's Advisory Council for University Extension; John Park, UMR vice chancellor for academic affairs; Tony Rickard, dairy specialist; Wendell Smith, UMSL associate vice chancellor for academic affairs-extension; Janet Stratton, director of the UM-Kansas City Office of Extended Programs; Arvarh Strickland, UM System associate vice president for academic affairs; and Toni Sullivan, dean of the UMC School of Nursing.



# Weldon Spring endowment funds allocated for 1991

More than \$1.115 million from the Weldon Spring Endowment Fund has been allocated for single-campus research projects for fiscal year 1991. The fund, created by the 1979 sale of the University's Weldon Spring property in St. Charles County, supports scholarly, artistic and creative faculty activities.

## The winners:

### UM-Columbia

#### Biological/Medical Discipline, Junior Competition

Bruce A. Barrett, Entomology, "Development of a Biological Control Tactic and Action Threshold for the Spotted Tentiform Leafminer in Commercial Missouri Apple Orchards" \$6,200

Robert Hoffman, Medicine, "Molecular Genetic Analysis of HLA Genes Among Anti-U1-70kD Autoantibody-positive CTD" \$15,000

Lene J. Holland, Physiology, "Analysis of a Dramatic 'ON/OFF' Genetic Switch Controlled by Estrogen Hormones" \$24,874

Kathy Sharpe, Obstetrics/Gynecology, "Endometriosis: A Novel Approach Toward The Understanding of the Pathophysiology of the Disease" \$18,226

Alternate:  
Thomas E. Phillips, Biological Sciences, "Goblet Cell Antigens" \$25,000

#### Biological/Medical Discipline, Open Competition

John F. Cannon, Molecular Microbiology & Immunology, "Function of GLC8: A Potential *Saccharomyces cerevisiae* Protein Phosphatase Inhibitor-2" \$27,000

L.R. Forte & R.H. Freeman, Pharmacology & Physiology, "Disordered Chloride Transport in Cystic Fibrosis: Mechanisms" \$22,000

Joseph C. Polacco, Biochemistry, "Recovery of Transposable Elements from Soybean" \$27,150

D.L. Riddle, Biological Sciences, "Molecular Genetics of RNA Polymerase" \$35,000

Kim S. Wise, Molecular Microbiology & Immunology, "Antigenic and Molecular Analysis of an AIDS-Associated Mycoplasma Pathogen" \$35,000

Alternate:  
R.V. Anthony, Animal Science, "Characterization of the Uterine Production of Relaxin" \$25,000

#### Behavioral/Social Sciences Discipline, Junior Competition

Vicki Conn, Nursing, "A Qualitative Study of the Transition to Caregiving for Impaired Older Adults" \$11,471

Douglas Krull, Psychology, "A Comparison of Group and Individual Social Judgments" \$15,000

#### Behavioral/Social Sciences Discipline, Open Competition

Hector Neff and Michael D. Glascock, Anthropology and Nuclear Engineering, "Prehistoric Chronology of the Oaxaca Valley" \$20,480

Robert E. Reys, Curriculum and Instruction, "Researching the Mental Computation and Estimation Perfor-

mances and Processes of Students in Japan and the United States" \$32,528

#### Humanities/Fine Arts Discipline, Junior Competition

M.L. Rautman, Art History, "Kopetra Survey and Excavation" \$24,869

#### Humanities/Fine Arts Discipline, Open Competition

William Biers, Art History & Archaeology, "Collections and Analysis of the Contents of Ancient Vessels" \$39,593

J.M. Foley, English, "Word-Power and Performance in Oral Tradition" \$15,005

Elaine Lawless, English, "What Black Elk Really Said" \$5,206

Lynne McMahon, English, "Sexual Difference and the Sublime in Contemporary Women Poets" \$8,250

Sherod Santos, English, "A Sentimental Education: A Book Length Poem in Verse and Prose" \$13,000

#### Math/Physical Sciences Discipline, Junior Competition

Susan A. Carroll, Geological Sciences, "The Retardation of Zinc, Lead, and Cadmium at the Carbonate Interface: A Field Study of the Tri-State Mining District" \$24,981

#### Math/Physical Sciences Discipline, Open Competition

Charles J. Peterson, Physics & Astronomy, "Structural Properties of Bars in Barred Spiral Galaxies" \$9,412

Paul R. Sharp, Chemistry, "Nitrogenase Model Systems" \$28,260

Michael Underwood, Geological Sciences, "Correlation of Paleotemperature Indicators for Blueschist-Facies Metamorphic Sequences" \$20,298

### UM-Kansas City

#### Biological/Medical Discipline, Open Competition

J. Gorski, Molecular Biology & Biochemistry, "Bone Acidic Glycoprotein-75: A Novel, New Inhibitor of Matrix Metal-Dependent Proteases" \$40,000

Ann Smith, Basic Life Sciences, "Dietary Heme-Iron Absorption: Mechanism and Regulatory Effects" \$30,000

#### Humanities/Fine Arts Discipline, Junior Competition

Alternate:  
Daniel Hopkins, Geosciences, "Eighteenth-Century Danish Cartography on the Gold Coast of Africa" \$15,295

#### Humanities/Fine Arts Discipline, Open Competition

Henry Frankel, Philosophy, "From Continental Drift to Plate Tectonics: The Anatomy of a Scientific Revolution" \$15,052

James Moberley, Conservatory of Music, "Toward the Next Level of Excellence: Research and Creative Activity Enhancement for the UMKC Research Center for ElectroAcoustic Music Production" \$27,600

Alternate:  
George Gale, Philosophy, "Philosophical Midwifery, Scientific Birth-Pangs: Philosophical Forces in the Initial Developments of Modern Cosmology" \$19,269

#### Math/Physical Sciences Discipline, Open Competition

Alternate:  
Y.C. Jean, Chemistry, "A New Spectroscopic Method to Determine the Pore Size Distributions of Catalytic Materials" \$30,000

### UM-Rolla

#### Behavioral/Social Sciences Discipline, Open Competition

Richard Bryant, Economics, "The Effect of Alcohol Use and Abuse on Labor Force Productivity" \$10,000

#### Math/Physical Sciences Discipline, Junior Competition

James A. Drallmeier, Mechanical and Aerospace Engineering and Engineering Mechanics, "Design of Port Fuel Injection Systems for Engine Performance and Reduced Emissions" \$23,643

#### Math/Physical Sciences Discipline, Open Competition

D.W. Armstrong, Chemistry, "Theoretical and Practical Importance of Chiral Recognition for Enantiomers with Little or no Functionality" \$30,000

R.C. Batra, Mechanical and Aerospace Engineering and Engineering Mechanics, "Adiabatic Shear Band Induced Failure in Metals" \$30,000

T.S. Chen, Mechanical Engineering, "Heat Transfer in Fluid-Saturated Porous Media" \$30,000

A.L. Crosbie, Mechanical and Aerospace Engineering and Engineering Mechanics, "Laser Processing of Semi-Transparent Composite Materials" \$30,000

Nancy Hubing, Electrical Engineering, "A New Class of Low-Delay Speech Coders" \$30,000

Shen C. Lee and F. Finaish, Mechanical and Aerospace Engineering and Engineering Mechanics, "Computational and Experimental Studies of Transitional Aerodynamic Flows" \$40,000

Ronald E. Olson, Physics, "Energy Deposition by Energetic Ions in Biological Targets" \$12,451

M.N. Rahaman, Ceramic Engineering, "Nanophase Ceramic Materials: Synthesis and Formation" \$30,000

Cheng-Hsiao Wu, Electrical Engineering, "Logic Circuits from Quantum Resistor Networks" \$15,000

### UM-St. Louis

#### Biological/Medical Discipline, Open Competition

Teresa Thiel, Biology, "Identification and Characterization of an Alternate Nitrogenase in *Anabaena*" \$15,000

#### Behavioral/Social Sciences Discipline, Junior Competition

James Campbell, Business Administration, "Large Truck Restrictions and Urban Traffic Congestion: Analytical Models" \$12,471

Margaret S. Sherraden, Social Work, "Birth Outcomes Among Mexican and Puerto Rican Families in Chicago: A Problem of Social Isolation?" \$13,000

Alternate:  
Kailash Joshi, Business Administration, "Effective Tactics for Influencing Users" \$10,000

Therese Macan, Psychology, "Employment Interviewers' Judgments of Disabled Persons: How disabilities affect hiring" \$10,750

#### Behavioral/Social Sciences Discipline, Open Competition

Michele Hoyman, Political Science, "The Impact of Economic Development in Four Rural Communities: An Agenda-Setting Approach" \$15,528

Sharon Levin, Economics, "Gender Differences in the Wage Determination Process in Academia" \$9,300

Silvia A. Madeo, Business Administration, "The Effect of Taxes on Adoption of Stock Option Plans" \$13,370

K. Young McChesney, Sociology, "Homeless Families: Long-term Outcomes" \$18,000

Alternate:  
E.S. Howe, Psychology, "Judges' Integration of Intention/Outcome Disparity and Personal Goodness Information" \$16,000

Edward C. Lawrence, Business, "An Investigation of the Availability and Cost of Small Business Credit" \$15,000

Lois Pierce, Social Work, "Juvenile Sexual Offenders and Continued Offending" \$10,000

#### Humanities/Fine Arts Discipline, Open Competition

Janet C. Berlo, Art, "Inuit and Plains Graphic Arts in Comparative Perspective" \$12,776

Robert M. Gordon, Philosophy, "Projection, Simulation, and Using Oneself As A Model" \$12,750

Steven C. Hause, History, "The Protestant Minority in France" \$15,018

Alternate:  
Joseph Carroll, English, "The Romance of Culture: Newman, Arnold, Eliot, Pater, James" \$18,342

#### Math/Physical Sciences Discipline, Junior Competition

Lee Brammer, Chemistry, "Electron Density Distributions of Transition Metal-Hydrogen Interactions" \$17,840

W.L. Golik, Mathematics and Computer Science, "Superconvergent Grids for Systems of Ordinary Differential Equations" \$8,500

Keith J. Stine, Chemistry, "Microscopy Studies of Phospholipid Monolayers and Vesicles" \$6,925

Alternate:  
Ricardo Flores, Physics, "Physics of Dark Matter" \$9,540

C. Spilling, Chemistry, "Approaches to the Synthesis of some C-Glycoside Antibiotics" \$17,040

#### Math/Physical Sciences Discipline, Open Competition

Gordon Anderson, Chemistry, "Dehydrogenative Coupling of Tertiary Silanes by Platinum Complexes" \$30,000

F. Benson and G. Ratcliff, Mathematics and Computer Science, "A Geometric Criterion for Gelfand Pairs" \$20,473

Joyce Y. Corey, Chemistry, "From Hydrosilanes to Catenated Silicon Compounds" \$21,500



## Park to serve as UM-Rolla's interim chancellor; Magrath names search committee

*"I am grateful to Dr. Park for his willingness to undertake this significant responsibility," Magrath says. "He has served the Rolla campus effectively as vice chancellor, and we are fortunate to have someone of his caliber and experience step in at this time."*

John T. Park, vice chancellor for academic affairs at the University of Missouri-Rolla, has been appointed interim chancellor, UM System President C. Peter Magrath announced March 21.

Park assumes the responsibilities of Chancellor Martin C. Jischke, who will become president of Iowa State University on June 1. Park, 56, also served as interim chancellor from August 1985 until May 1986, when Jischke succeeded Joseph M. Marchello, who became president of Old Dominion University in Norfolk, Va.

"I am grateful to Dr. Park for his willingness to undertake this significant responsibility," Magrath says. "He has served the Rolla campus effectively as vice chancellor, and we are fortunate to have someone of his caliber and experience step in at this time."

Park, who will assume the interim post June 1, received his undergraduate degree from Nebraska Wesleyan University in 1956 and a Ph.D. from the University of Nebraska in 1963. He joined Rolla's physics staff in 1964 after completing a National Science Foundation postdoctoral fellowship in London. He became a professor in 1971.

Park was named chairman of the physics department in 1977. He served in that post until 1983, when he became vice chancellor. He has continued to be active in research since becoming an administrator and is the author of numerous research articles.

Magrath named a committee April 2 to identify candidates to succeed Jischke.

The 15-member committee, which includes UMR faculty, staff, student and alumni leaders, UM System officials and business representatives, will be led by Professor Walter Gajda, chairman of UMR's Department of Electrical Engineering. The panel is charged with developing a list of seven to 10 candidates to recommend to Magrath.

"Although we will consider candidates from within Missouri, this is a national search," Magrath says. "The committee will aggressively seek the very best prospects to maintain and further enhance UM-Rolla's reputation for excellence."

The committee members:

Donald R. Askeland, professor of metallurgical engineering; Colin O. Benjamin, associate professor of engineering management; Thomas M. Coffman, vice chancellor for university advancement; Gerald L. Cohen, professor of German and Russian, philosophy and liberal arts; Al L. Crosbie, professor of mechanical engineering; Walter Eversman, Curators' Professor of mechanical and aerospace engineering; Frances "Dee" Haemmerlie, associate professor of psychology; Vernon Jones, president, The Williams Co.; Leonard Koederitz, professor and head of petroleum engineering; Bob Patterson, president of the UMR alumni association and president of Show Me Inc.; Luke Peterson, president of the UMR Student



Council; Jim C. Pogue, professor of English; William Rutledge, retired chief operating officer, Emerson Electric Co.; Arvarh Strickland, associate vice president for academic affairs, UM System.

## Magrath plans second annual Missouri Tour

University of Missouri System President C. Peter Magrath will "take the show on the road" and visit dozens of communities in June and July as part of the second annual "Missouri Tour." Initiated last year in lieu of a printed annual report, the tour was a resounding success, garnering praise from the media, state and local politicians and other citizens.



The 1991 tour will include stops in about three dozen small and medium-size communities, about half of which were visited last year. Several areas that the president was unable to visit last summer, including southwestern Missouri, have been added.

"The Missouri Tour is an excellent way for the University to improve its rapport with the people of our state. When the president visits a community, not only does he explain the University's needs, he hears firsthand the concerns of the citizens," says David Lendt, director of University Relations.

The past summer's Missouri Tour marked the first time that many communities had been visited by a president of the University System, noted Lendt. Lendt and Jim Snider, assistant to the president for state governmental relations, will accompany the president on the 1991 tour as they did on last year's tour.

During last year's Missouri Tour, Magrath covered 2,500 miles and met with approximately 1,500 Missourians, including state legislators, media representatives and other Missourians, in their home communities. The Missouri Tour also received extensive — and positive — newspaper, television and radio coverage.

## Bill Mann urges faculty and staff to support SB 353

The following is an excerpt from a letter from Bill Mann, chairman of Missourians for Higher Education and chancellor of the Metropolitan Community Colleges, Kansas City, to faculty and staff in all colleges and universities throughout Missouri.

Dear Colleagues:

SB 353 holds great promise for education in our state. But as our funding increases, educators will be asked to develop clearer focus, expand delivery and accountability and improve instructional quality. Sen. Mathewson deserves a great deal of credit for ushering this remarkable legislation through the Senate by a margin of 24 to 10. Only 18 "yes" votes were needed to pass, which sends an undeniable message to the House of Representatives, the Governor and the people of our state. Education is the most pressing issue facing our state.

But there is much work left to do. This campaign cannot succeed without your involvement. Here's how you can help. Personal letters to your representatives are imperative. Copies of SB 353 will be in the President's office at each college for your information and review. In your letters, tell your representatives about the crisis facing Missouri education. Tell them about your needs. Urge them to support this important initiative.

We are more than 20,000 strong, and it's time for our voices to be heard. Call or write your legislators today. By itself, this bill won't raise taxes one penny. It will only give voters an opportunity to decide the future economic viability of the state of Missouri.

Sincerely,  
William J. Mann  
MHE Chairman

# Video highlights UM System research

A 14-minute videotape produced by the System University Relations department highlights research success stories systemwide.

The video, featuring research projects from each UM campus, University Extension and University Hospital and Clinics, will be available to civic groups and other organizations across the state, says David Lendt, director of University Relations.

"The video isn't meant to be a comprehensive review of research successes, but a sample of some of the accomplishments of UM System researchers in the past few years," Lendt says. "One of our goals is to enhance the public's understanding of the connection between research in our land-grant university and economic development in our state."

The videotape explains how University research is helping improve Missouri's health-care system, environment, agriculture and industry. University Relations staff members, in cooperation with campus and extension staff members spent a month researching topics, videotaping subjects and

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*"One of our goals is to enhance the public's understanding of the connection between research in our land-grant university and economic development in our state."*

---

editing the videotape.

Featured in the program:

\* Dr. Delbert Day, Curators' Professor of ceramic engineering at UM-Rolla, who developed glass beads used to treat liver cancer;

\* Dr. Kitty Dickerson, professor of textile and apparel management at UM-Columbia, whose research on consumer attitudes spurred the "Made in the U.S.A." advertising campaign;

\* Dr. Mahmoud Ahmed,

associate professor of medicine at UM-Kansas City, who is investigating the effects of drug abuse on infants and fetuses and attempting to discover the molecular basis of drug addiction;

\* Drs. David Larsen, professor of chemistry at UM-St. Louis, and Stanley Manahan, professor of chemistry at UMC, who have developed a process to safely destroy hazardous wastes;

\* Dr. Richard Holmes, professor of nuclear medicine at UMC, who describes the development of Ceretec, a brain-imaging drug that reduces the cost of brain-scan technology and brings \$500,000 in royalties to the University annually;

\* Dr. Rex Ricketts, director of University Extension's Commercial Agriculture program, which brings University research to the local level, helping commercial farms stay in business.

Faculty, staff, retirees and others interested in borrowing a copy of the program for presentation to an organization should contact University Relations at (314) 882-4591. The videotape will be available in May.

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