

Proposals being accepted for research act funding

Pre-proposals for research or applied projects under the Research Assistance Act will be accepted until Dec. 27, UM Vice President Melvin D. George announced.

The University steering committee appointed by President James C. Olson met Nov. 12 to establish the guidelines and deadlines for proposals for funds appropriated to the University under the research act designed to increase employment and economic development in the state.

The pre-proposals must include a description of the proposed project, an explanation of how it will enhance employment opportunities and stimulate private investment in the state, a budget, resumes of principal investigators, and an indication from the chancellor or vice president responsible for the submitting unit of possible sources of the required non-University matching funds for the project.

Pre-proposals must be received by George, 309 University Hall, no later than Dec. 27. They will be reviewed by the steering committee early in January. Full proposals will be due on Feb. 4 for those projects selected for further review by the committee on the basis of the pre-proposals.

Faculty interested in submitting a pre-proposal should read the complete guidelines and selection criteria, which are available from the four campus chancellors or vice president.

At the UM system Board of Curators meeting last week, the board authorized the University to request \$1.5 million from the General Assembly for support of research activities that will enhance employment opportunities, stimulate economic development and encourage private investment in Missouri, as provided by the Research Assistance Act, during the 1983-84 fiscal year.

10th Curators' Professor named

Wei-Wen Yu, UMR professor of civil engineering, was named a Curators' Professor at the Nov. 19 meeting of the Board of Curators.

Yu is the fourth UMR faculty member to receive the honor. Previous UMR recipients are Stig Friberg, chemistry; David Summers, mining engineering, and Delbert Day, ceramic engineering.

Yu is an internationally known authority in structural engineering, particularly in the field of cold-formed steel structures. He joined the UMR faculty in 1968. A native of China, he received a B.S. in civil engineering at National Taiwan University in 1950, an M.S. in civil engineering at Oklahoma State University in 1955, and a Ph.D. in structural engineering at Cornell University in 1960.

Before coming to UMR, Yu was research engineer and senior research engineer at the American Iron and Steel Institute, New York City, and staff engineer with TRW Systems, Redondo Beach, Calif.

In addition to teaching graduate and undergraduate courses in structural engineering at UMR, he has directed or participated in 11 research projects funded by grants totalling about \$430,000. Three major research projects are currently under way. These include a preliminary study of automotive structural components using high-strength steel sheets. He is also revising recommendations on load and resistance factor design of cold-formed steel and re-evaluating web crippling strength of cold-formed steel.

Yu is the author of *Cold-Formed Steel Structures*, the first textbook in the field of thin-walled cold-formed steel structures, which is used throughout the world as a text and reference. He is also the author or co-author of several other technical books and of some 76 technical papers and presentations.

Yu has been the director of six international specialty conferences on cold-formed steel structures, and has directed or lectured in seven short courses on cold-formed steel structures.

"Dr. Yu's research activity in structural engineering, particularly in the field of cold-formed steel structures, has brought him national and international recognition," says Joseph H. Senne Jr., chairman of the UMR department of civil engineering. "His research findings have been used to improve



Wei-Wen Yu

design specifications issued by the American Iron and Steel Institute (AISI) and to prepare AISI technical publications. In addition, as a result of his research efforts in continuing education, UMR is an internationally recognized center of excellence in the field of cold-formed steel structures."

The new Curators' Professor has been active in professional organizations, acting as a reviewer, a member of an editorial board, and chairing and serving on several standards and specifications committees. These activities include past chairman of the American Society of Civil Engineers' Committee on Cold-Formed Members, chairman of the Structural Stability Research Council's Task Group on Thin-Walled Construction, member of committees of the Research Council for Structural Connections, member of advisory committees and chairman of a subcommittee of the American Iron and Steel Institute.

He has been an invited lecturer at conferences in Taiwan, England and Canada, as well as the United States, and served as the U.S. representative at the International Advisory Panel for the 1979 International Conference on Thin-Walled Structures held in Scotland. He has been a consultant for several companies.

University Press to publish major collaborative work

Edward D. King, director of the UM Press, has announced the forthcoming publication of one of the major collaborative efforts of 20th-century scholarship, *The Variorum Edition of the Poetry of John Donne*. Publication of the first volume is planned for 1986, and the entire edition is scheduled for completion by 1992.

Susan McGregor Kelpie, associate director of the press, will head the press editorial group working on the project.

According to Kelpie, an authoritative text of the works by the 17th-century English metaphysical poet will be developed through collation of all relevant manuscripts and printed editions, and the textual apparatus will present the full corpus of significant variants. The critical commentary will present a comprehensive digest of more than 300 years of Donne scholarship.

The group of distinguished scholars who will produce the edition is international in scope, numbering among its members critical and textual scholars from the United States, Canada and Great

Britain.

General editor of the edition is Gary A. Stringer of the University of Southern Mississippi. Members of the advisory board are William B. Hunter Jr., University of Houston (Emeritus); Albert C. Labriola, Duquesne University; Paul A. Parrish, Texas A&M University; C. A. Patrides, University of Michigan; Ted-Larry Pebworth, University of Michigan-Dearborn; John R. Roberts, UMC; John T. Shawcross, University of Kentucky; and Ernest W. Sullivan, II, Texas Tech University.

Shawcross will serve as the chief editor of the text. Other editors of the text include Clayton D. Lein, Purdue University, Pebworth and Sullivan.

Roberts, UMC professor of English, will be the chief editor of the commentary. Parrish, Hunter, Stringer, Labriola, William A. McClung, Mississippi State University; A. J. Smith, University of Southampton; A. Barry Cameron, University of New Brunswick; and M. Thomas Hester, North Carolina State University, will also serve as editors of the commentary.

Professor says cooperative research requires similar goals

To assure successful university-industry research cooperation, campus researchers must be concerned with the expectations of and rewards for the respective participants, Charles Gehrke, UMC professor of biochemistry, said at a recent symposium on industrial-academic interfacing in the 1980s.

University researchers have a responsibility to make sure research grants from industry are in line with the missions of the university and their personal mission of furthering the body of knowledge, Gehrke said.

Gehrke was one of several participants from industry and universities invited by the American Chemical Society to speak at the symposium held in conjunction with the society's national meeting.

"New thrusts to aid research as a part of science education are needed if this nation expects to go forward in basic research and graduate education," he said.

There are numerous rewards from cooperative research for the academic institution, private industry and the academic investigator, but both industry and the researcher need to have realistic expectations and work toward eliminating, resolving and managing potential problems, he explained.

For example, industry's goals are generally short-range, while the academic scientist's goals are more long-range. Successful research comes when the goals can be meshed.

Universities now need sources of funds to help identify and develop more creative minds; a constant flow of ideas—conventional,

traditional, unorthodox and unique—and a closer tie between academe and industry to tap the expertise of both groups to solve both fundamental and applied problems, Gehrke said.

For more than 20 years, Gehrke has advocated the Research Council Plan, in which industrial firms would make funds available as unrestricted gifts to individual researchers or departments, or to the research council for distribution following faculty competition.

He explained that the Research Council plan could play a dominant role in this process and benefit not only industry and the academic institution but the general public as well.

In addition to university-industry cooperation, Gehrke also stressed the obligation of colleges and universities to provide their faculties with scientific instruments. He cited the recent National Science Foundation grants at UMC, which supported the purchase of state-of-the-art high resolution chromatographic and mass spectrometric instrumentation and two nuclear magnetic resonance spectrometers, as an example of a "library of instruments" that will support the scientists' research activities and strengthen the university's missions in science research, teaching and public service.

"This is one of the most important additions to science at our university in the past 30 years, and sets the stage for the 1980s to experiment and test the ideas of our researchers," he said.

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Board resolution supports maintaining bond issuance

The UM system Board of Curators unanimously passed a resolution urging the governor and General Assembly to proceed with the issuance of additional general revenue bonds to finance new construction projects and improve public facilities and buildings in the state.

Missouri voters approved a \$600 million bond issue in June as an economic stimulus to the state and to provide new jobs to reverse an increasing unemployment trend. Bonds totaling \$75 million were authorized this year to be issued to address improvement needs.

The curators urged the issuance of additional bonds to sustain the program and bring about the original intent of the bond issue.

Three insurance brokers to provide service to UM

The Board of Curators last week appointed three Missouri firms as providers of insurance brokerage services for the University.

The firms, Alexander and Alexander of Clayton, Lawton-Byrne-Bruner of St. Louis, and Fred S. James of Clayton, will serve as the University's brokers of record for the period Dec. 1, 1982, to Nov. 30, 1985.

Tom Hussey, UM assistant vice president of business services, told the board's physical facilities committee Nov. 18 that the University will "gain the advantage of the marketplace" by having three firms—instead of just one—bidding on insurance coverage.

Hussey said the firms were selected by a six-member on-site committee that evaluated the brokers on their overall expertise, staff quality, resources and services, understanding of the risk-management concept, range of fees and commissions, financial strength, and ranking in the industry by their peers.

Together, the three insurance companies employ nearly 500 Missouri residents.

Board authorizes borrowing to meet cash flow needs

In a teleconference call Nov. 12, the Executive Committee of the Board of Curators authorized the UM treasurer to borrow, from time to time, amounts not to exceed \$5 million in order to meet cash flow needs of the University.

The University's cash flow needs have been affected by delays in reimbursements from the state. The curators' action will allow the University to move in and out of the financial market as need arises on a day-to-day basis to maintain a "comfort level of cash," UM Treasurer Donald S. Holm Jr. said.

The total amount borrowed will be repaid within the current fiscal year.

Curators approve several department changes at UMR

The UM system Board of Curators approved departmental changes in the UMR School of Mines and Metallurgy and College of Arts and Sciences at its meeting Nov. 19 in Columbia.

In UMR's School of Mines and Metallurgy, the Department of Metallurgical and

Nuclear Engineering was discontinued and separate departments of metallurgical engineering and nuclear engineering were established in its place.

In the College of Arts and Sciences, the Department of Humanities and the Department of Social Sciences were discontinued and separate departments of psychology, philosophy, life sciences, history and political science, English, economics and applied arts and cultural studies were created. The Department of Applied Arts and cultural studies will include the music/art/theater program, speech and media studies, anthropology/sociology and foreign languages.

The changes will take effect July 1. The realignment is not expected to create any increased administrative costs.

Curators hire architects for 3 construction projects

The UM system Board of Curators hired architects for three projects, two on the UMC campus and one on the UMKC campus, at its meeting Nov. 19 in Columbia.

Action taken by the curators included:

- Employing the architectural firm of McCoy/Hutchinson/Stone Architects of Kansas City to provide professional services for the UMC School of Law construction. Estimated cost of the project is \$17 million, including \$2 million of non-state funds.

- Approved proceeding with preliminary planning for possible renovation of Nelson School for use by the UMKC Conservatory of Music and hiring the firm of Midgley, Shaughnessy, Fickel and Scott, Architects Incorporated of Kansas City to provide professional services for a fee of \$20,000. The estimated cost of the renovation is \$1.75 million.

- Hired the firm of Calcara, Duffendack, Foss, Manlove of Kansas City to provide architectural services for the Eye Research Institute at the UMC Hospital and Clinics. The estimated cost of the project is \$1 million, all from non-state funds. A \$210,000 grant from the National Eye Institute for this project was approved by the curators.

Professor emeritus named

The UM system Board of Curators approved the title of UMKC professor emeritus of dentistry for Paul E. Jones, effective June 1, 1982, at its meeting Nov. 19.

University to sell interest in Dunklin County property

The UM system Board of Curators has authorized the sale of the University's one-quarter interest in the Mary Langdon Cannon farm in Dunklin County, Mo.

The University's interest in the property will be sold to Mr. and Mrs. William Keating

The following administrative/professional and academic vacancies were listed with *Spectrum* as of Nov. 19. Those interested in a position should contact the appropriate department or personnel office.

UMC: instructor/asst. professor, news-editorial; asst. professors, news-editorial, medicine-nephrology, mathematics (2), human nutrition/foods/food systems management, geology (2), German, English (3), French, economics, extension information-extension education, speech and dramatic art, chemistry; asst. professor/state food and nutrition specialist; asst./assoc. professors, computer science, neurology, psychology, surgery-plastic; asst./assoc./full professors, mechanical and aerospace engineering (4), electrical engineering; assoc./full professors, electrical engineering, veterinary pathology; assoc. pro-

Letter to the Editor

Dear Editor:

News stories entitled "Defense department offers university funding," "Marines, colleges at Hickman looking for good men, women," and "University grabs Defense Department grants, \$715,000 sent to Columbia" have recently appeared in the University of Missouri publication *Spectrum* (Nov. 4), the *Columbia Daily Tribune* (Nov. 9), and the *Columbia Missourian* (Nov. 11) respectively.

Although some Hickman and University of Missouri educators and administrators were reported as being elated by the developments described, there is something fundamentally sad about the continued and even expanding role of the Department of Defense in the educational process.

The increased involvement by the military in the educational system is made possible by

funds which have been generated, in a sense, by slashing social programs, limiting civilian sources of research support, a growing federal deficit, and taxes which Americans pay. It serves to intertwine the educational system ever more closely with the military establishment which has brought us war, misery, and death in the past and now threatens to destroy civilization.

Rather than increasing its participation in the programs of the Department of Defense and thus becoming even more a part of the military-industrial-academic complex, the educational system should focus instead upon the problems involved in achieving a world in which all of us can live together in peace.

Sincerely,

John C. Schuder
UMC professor of surgery

of Dunklin County who have agreed to pay \$1,600 per acre for the 153-acre tract. The price for the University's interest will be \$61,200.

The University, America's First Boys' Ranch of Amarillo, Texas, Boys' Ranch of Dodge City, Kan., and Central Methodist College of Fayette, Mo., each received a one-quarter undivided interest in the property from the estate of Mary Langdon Cannon.

Proceeds from sale of the University's interest will be used to establish the Carl and Mary Langdon Cannon student loan fund.

Board planning committee stresses broad-based input

A UM system-wide committee on long-range planning should include curators' input from representatives of as many groups as possible, a curators committee agreed last week.

The UM Board of Curators Long-Range Planning Committee Nov. 18 discussed the structure of an advisory group that will provide suggestions on the University's future direction.

Curator Marian Oldham urged the committee to solicit ideas from "constituents of various areas," including University faculty, administrators, staff, students, state legislators, extension personnel and Missouri citizens.

Stressing the need for a "broader-base committee than just ourselves," Oldham told the other two committee members that the group's future recommendations will have "more credibility" if "all the people in the state feel as though their input matters in the on-going review."

The committee will make recommendations to the Board of Curators on an academic and financial plan for the University for the 1985-90 period.

Jobs

essor, law; professor, veterinary medicine and surgery; professor-chairman, nuclear engineering, veterinary anatomy-physiology, veterinary medicine and surgery; graduate dean, graduate nursing program; visiting professor, management; librarian IV and asst. director for technical services; asst. manager, accounting services; director, development fund; information specialist; research specialist; supervisor, stenographic services;

UMC Hospital: administrative dietitian; administrative nurse I; asst. managers, medical records, patient admissions; assoc. hospital director, operations and planning services; education nurse I; I.V. nurse; nurse anesthetist; staff pharmacist;

UMKC: instructors, communication studies, nursing; instructor/asst. professor, computer science; asst. professor, quantita-

The long-range planning committee also directed Melvin D. George, UM vice president of academic affairs, to coordinate suggestions from each chancellor and to recommend methods of selecting representatives of various groups to address the committee.

Curator Larry Robinson invited suggestions on the group's structure to be aired at the committee's December meeting. At that meeting, the committee also plans to decide which issues it will address.

University policy revised on use of campus facilities

Several revisions to section 4.0314 of the University's *Collected Rules and Regulations* concerning use of University facilities were approved by the curators at their meeting this month.

The revisions put the UM policy in compliance with the recent U.S. Supreme Court decision in the "Cornerstone" case. The revisions allow recognized campus religious groups to use UM facilities for religious worship services and teaching activities.

Mechanical changes made in UMKC governing practices

Several revisions in the UMKC governing practices were approved by the curators at their recent meeting.

The changes relate to membership in the University Senate, academic grievance procedures and administrative evaluations. The revisions also formalize the role of the Senate Executive Committee as the chancellor's budget advisory committee.

UMKC faculty and staff who would like more specific information on the revisions should contact members of the University Senate.

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