

Committee proposes projects for state research act funding

The UM Research Assistance Act Steering Committee has recommended to President James C. Olson that he submit a request to the Board of Curators for funding 18 projects requiring \$746,481 in state support.

Announcement of these first research projects recommended for funding under the Missouri Research Assistance Act authorized in 1982 was made by Melvin D. George, UM vice president for academic affairs and secretary of the steering committee. He said that curator approval will be sought at a March 25 meeting in St. Louis.

The state will provide one-third of the project cost, with the remaining two-thirds to be provided by non-state and non-federal sources. Directors of the recommended projects have six months to obtain the required private support.

The state appropriated \$950,000 for 1982-83 to provide its share in funding research and applied projects to enhance employment opportunities, stimulate economic development and encourage private investment.

All proposals had both University and external evaluation, as required by state law. Final selection was made March 4 by the steering committee chaired by UMKC Chancellor George A. Russell, and including Dean Donald H. Driemeier of the UMSL College of Business Administration; Dean Max Lennon of the UMC College of Agriculture; John T. Park, UMR physics professor; Marvin D. Marks of McDonnell-Douglas in St. Louis; David Steelman of the Missouri House of Representatives, and Harold D. Cleberg of Farmland Industries in Kansas City.

The committee announced that another competition for the remaining funds will begin shortly. Pre-proposals will be due June 1.

Faculty members with research projects recommended for state funding follow:

UMC: Curtis J. Nelson, professor of agronomy, and David A. Sleper, associate

professor of agronomy.—\$21,694; Scott Searles, professor of chemistry, George E. Rottinghaus, assistant professor of veterinary anatomy-physiology, and Merl Raisbeck, resident veterinarian.—\$11,403; Zane R. Helsel, vice provost for extension and assistant professor of agronomy, Harry C. Minor, associate professor of agronomy, and Diana G. Helsel, assistant professor of agronomy.—\$52,240; Charles W. Gehrke, professor of biochemistry.—\$26,000; Robert W. Blanchar, professor of agronomy.—\$41,000;

UMKC: Ronald A. MacQuarrie, associate professor of chemistry and medicine, and Rona L. Hirschberg, associate professor of biology and medicine.—\$130,403; Jerry R. Dias, professor of chemistry.—\$6,932;

UMR: William J. James, professor of chemistry, and Thomas J. O'Keefe, professor of metallurgical and nuclear engineering.—\$9,058; Robert Gerson, professor of physics.—\$20,870; Edward B. Hale, professor of physics, and James.—\$10,622; Gary K. Patterson, professor of chemical engineering, and James O. Stoffer, professor of chemistry.—\$72,461; Paul D. Stigall, professor of electrical engineering and computer science, and Hardy J. Pottinger, assistant professor of electrical engineering.—\$36,887; Gordon E. Carlson, professor of electrical engineering, and Rodger E. Ziemer, professor of electrical engineering.—\$30,249; Randy H. Moss, assistant professor of electrical engineering, and Stigall.—\$19,011; Ziemer, Norman R. Cox, assistant professor of electrical engineering, and Pottinger.—\$105,204;

UMSL: L. Douglas Smith, associate professor of business administration.—\$20,000;

UMca: Jon M. Meese and Michael D. Glascock, Research Reactor senior research scientists.—\$74,656; Gary J. Ehrhardt, Research Reactor senior research scientist, and Stephen L. Gunn, reactor service engineer.—\$57,791.

Libraries battling budget reductions

With budgetary restrictions nipping at their heels, the University libraries are finding "it's a scramble to stay even," a UM library director reported recently.

Tom Shaughnessy, director of UMC libraries, described the current status of that campus' library system at the Feb. 11 meeting of the UM system Board of Curators' Academic Affairs Committee. Shaughnessy's report was part of a presentation on the effects of the current financial situation on the UM library system.

Jim Corey, director of the UM library systems office, told the curators that more funds are needed to offset the effects of inflation and state budget reductions. Other problems faced by library officials are space restrictions, student demands for increased hours, and low salaries for staff.

Libraries are finding it more difficult to buy needed current books and journals, due to inflation and rapid expansion in the publications field. More than 83,000 English-language publications were issued worldwide last year, Shaughnessy said, adding, "It's that type of information explosion that the libraries are trying to keep up with."

Also discussed at the meeting were cooperative ventures between the UM library system and other libraries in the state.

A bill currently under consideration by the Missouri Legislature would authorize the existence of statewide library networks. No funding for the project is included in the legislation.

The bill endorses the establishment of mechanisms for inter-library loans among all types of libraries in the state, but makes no recommendations on the specific technologies to be used. The library networks bill currently is before the House Rules Committee. The House Higher Education Committee recommended that the bill be passed.

The University already provides some assistance to other libraries in the state through material loans and assistance with delivery, Corey noted.

Corey also reported on the status of a program to computerize information from University library card catalogues. The project would allow faculty, staff, students and Missouri residents access to materials in the UM collections, and would save money by reducing the purchase of duplicate books.

Olson testifies in Washington on effects of federal budget on higher education

Uncertainty regarding long-term financing of graduate study could mean that America may ultimately be losing young minds and future scholars, UM President James C. Olson said in testimony March 1 before the House Postsecondary Education Committee in Washington, D.C.

Olson appeared before the committee to discuss what he sees as effects of the proposed fiscal year 1984 federal budget on higher education in the areas of graduate education, research and international programs. He represented the Association of American Universities, the National Association of State Universities and Land-Grant Colleges and the American Association of State Colleges and Universities.

While noting possible detrimental effects of the proposed budget on graduate and professional education, Olson also singled out several areas of the proposed budget for praise.

In discussing financing of graduate education, Olson noted that there is a proposal that the guaranteed student loan origination fee be increased from 5 to 10 percent for graduate and professional students. He said presently about 525,000 graduate and professional students borrow about \$1.8 billion to finance advanced studies.

He observed that the fee increase proposal "makes financing of graduate education more difficult, makes short-term savings at the expense of overall objectives on the loan program, increases the already heavy debt burden and singles out graduate and professional students for reasons we fail to understand."

In the area of research, Olson declared "we are alarmed by the fact that the National Institute of Health, in terms of real dollars, is taking a cut that will inevitably retard the progress of health research. The proposed budget includes an increase of only \$72 million for NIH. To provide the same level of research support as in 1983 NIH will need \$482 million."

"The loss to biomedical research will be felt not only in our institutions, but in the health of the nation," Olson testified.

"Another serious implication for higher education in the proposed federal budget is the proposal to eliminate funding for research libraries under Title II-C," Olson told the committee.

"The research library program has enabled America's research libraries to preserve, enhance and make available to scholars some of our country's most valuable documents."

On another matter, Olson testified "I think it is imperative that Title VI of the Higher Education Act be continued. This program has been the cornerstone of federal support for foreign language, area, and international studies since 1958. It has been the federal government's principal means of expanding knowledge of other countries and cultures, and stimulating a steady supply of language and area-competent personnel for



In addition to testifying in Washington, UM President James C. Olson addressed UMR supporters at the Rolla campus' annual Founders Day recently. (See related story on back.)

both the private and public sectors."

On the positive side, Olson noted: "The fiscal year 1984 budget proposals contain much that is encouraging to the universities that are responsible for most of the nation's basic research and advanced training," he said.

"We are especially encouraged by the recognition accorded the importance of fundamental research, research training, instrumentation and science and math education in the budget of the National Science Foundation, as well as in the programs of the Department of Defense. The linking of these elements constitutes a strategy for building scientific and technological excellence which has enthusiastic support from the academic community," Olson declared.

Further, he stated, "we are heartened by the observations of Mr. Keyworth, the President's science adviser, who stated that the administration's discussions of ways to improve the nation's industrial capacity always came down to the realization that we have to worry about tomorrow's scientific talent."

"The higher education establishment is encouraged by the 60 percent (\$310 million) increase in college work-study because, if Congress approves all or part of the increase, we have reason to hope that graduate students will have more work-study opportunities," Olson testified.

In conclusion, Olson declared:

"I believe that investment in graduate and international education and research is an investment in the future of this nation. I hope it will be possible to adjust to the concerns which have been outlined before the committee as you proceed with your deliberations."

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Board approves guidelines for '84-85 funding request

UM's request for 1984-85 state appropriations will concentrate on "maintenance and enhancement of the University as a quality institution for the future, recognizing the economic conditions of the state," according to the 1984-85 appropriations request guidelines for operations and capital items approved by the Board of Curators last month.

The document indicates the University's highest priorities for funding in 1984-85 will be:

- inflation related adjustments for compensation, expense and equipment, fuel and utilities, and library acquisitions; and
- compensation improvements to bring faculty and staff salaries to competitive levels.

Additional state support will be requested for special equipment, library support, the research assistance act, and dentistry as special elements of the academic program.

The emphasis for capital funding will be on preservation and enhancement of existing buildings and facilities.

Public hearings are being scheduled on the four UM campuses in April and May to give students, faculty, staff and the general public an opportunity to discuss the campus requests with UM President James C. Olson and his staff.

Olson says structure works, but education funds lacking

Reflecting on the development of higher education in Missouri at UMR's Founders Day, UM President James C. Olson said the state has developed a system of higher education that works fairly well structurally.

"The problem in Missouri is not structure—it is funding," Olson told the more than 175 UMR alumni and supporters gathered for the Founders Day observance.

Olson said that Missourians appreciate the importance of higher education and particularly the University, but "they are more enamored with their standing as a low-tax state."

The UM president also called attention to the new conditions, such as rapid technological advances, enrollment stability and declining state and federal support, under which the University must operate. These new conditions must be recognized as plans for the University are developed, Olson said.

Corrections

• The lecture on Galileo by UMKC associate professor of history William Ashworth in the inaugural colloquium of the 1983 Weldon Spring Humanities Seminar marked the 350th anniversary of the condemnation of the inquisition of the Italian astronomer, not the 250th anniversary as the Feb. 17 issue of *Spectrum* reported.

• Apologies are extended to E. Grey Dimond, whose name was misspelled in the Feb. 17 issue. Dimond was named UMKC provost emeritus for health sciences by the Board of Curators Feb. 11.

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1983 board committees

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Senate bill forms science, technology corporation

The Missouri Senate has passed a bill calling for the creation of a Missouri Corporation for Science and Technology. The bill, Senate Bill 202, now goes to the House of Representatives for consideration.

As set forth in the bill, the exclusive purpose of the not-for-profit corporation is "to contribute to the strengthening of the economy of this state through the development of science and technology."

The corporation would be governed by an 18-member board of directors appointed by the governor, with six members representing the public sector, six representing private business and labor, and six representing higher education.

The bill contains an emergency clause which means the legislation would take effect as soon as signed by the governor.

The status of other bills in the General Assembly that would affect higher education includes:

• **House Bill 167**—This bill provides for a student to be a non-voting member of boards of curators and regents of the state's colleges and universities. The bill has been heard by the House Higher Education committee, which still has it under consideration.

• **Appropriations bills**—Hearings have been held in both the House and Senate by appropriations committees on appropriation requests for operations at higher education institutions. The committees have not yet made funding recommendations.

All University employees to receive safety brochure

"Safety and You," a brochure prepared by Safety and Risk Management and the UMCA office of Human Resource Development to promote safety awareness will be distributed soon to all UM employees.

"Each one of us has a vested interest in the University's safety program—our own life and health," the brochure says.

The brochure outlines the role of University employees and programs in creating a safe environment.

"The University's formal safety and risk management program was adopted approximately five years ago and is now a significant part of our operating policy. Although the primary reason for the program is to provide a safe environment for those who are here to use our facilities to learn, teach and visit, safety awareness and compliance with safety rules and procedures by all members of our community can have a direct impact on reducing losses," says Tom Hussey, UM assistant vice president for business services. "Good safety practice at every level of the University community pays off," he adds.

"We encourage all employees to make safety a part of their daily thoughts and activities, and this publication can provide a handy reference," Stacey Clink, UMCA loss prevention manager, says.

The brochure is the first part of a major safety training thrust for the University. The second part will include specialized safety training courses.

The brochure, which in the future will be given to all new employees during orientation, also lists the campus safety offices and provides a place to fill in emergency campus phone numbers.

UMR reorganization plan to benefit faculty research

UMR Chancellor Joseph M. Marchello has announced that in view of the difficult budget situation and the need to pursue opportunities for faculty research and technological and economic development, he will reorganize the administrative services department upon the retirement of Joseph D. Wollard as executive director this summer.

At least half of the vacated position salary funds will go toward re-establishing the directorship of the Graduate Center for Materials Research. The remaining funds will be used for reorganizational changes that will consist of transferring the duties of the executive directorship to other administrative services staff members, Marchello said.

"Resorting to austere administrative services in the interest of building on quality research strength to pursue promising opportunities appears to be the appropriate course in these times of limited resources," Marchello said.

He added that this reorganization in administrative services will parallel adjustments made in academic services during the past few years.

1983-84 academic calendar revised for UMC, UMKC

The UM system Board of Curators have approved several changes in the previously adopted 1983-84 academic calendars affecting the UMC campus and the UMKC dental school.

The revision for UMC delays the start of the winter semester one week, to Jan. 19; eliminates the first four-week summer session; and advances the start of the eight-week summer session one week, to June 4.

For the UMKC dental school, the revision delays the start of the week-long spring vacation from March 3 to March 10, 1984.

In other action, the curators also approved the 1984-85 academic calendars for all four campuses.

UMC's 2nd alumni seminar explores technology, values

"Technology & Values: Choices for the Human Future" is the topic of the second annual Alumni Seminar Weekend March 25-27 on the UMC campus.

Jules Bergman, ABC News science editor, will be the keynote speaker. Participants will also attend small seminar discussion groups led by UMC faculty.

The seminar weekend is designed to bring alumni "back to school" to explore current topical themes and experience the University's academic excellence firsthand. Tom Schultz, UMC assistant vice chancellor for alumni relations, says.

The seminar weekend costs \$80 for UMC Alumni Association members and \$95 for non-members and is open to anyone interested in attending. To register, or for more information, contact Alumni Relations, 132 Alumni Center, UMC, (314) 882-6611.

Telecommunications office located in University Hall

The new UM system Office of Telecommunications is now located in 215 University Hall in Columbia. Director Coleman Burton's phone number is 882-4478.

Jobs

The following administrative/professional and academic vacancies were listed with *Spectrum* as of March 4. Those interested in a position should contact the appropriate department or personnel office.

UMC: instructors, intensive English program, anesthesiology (3), music (flute), music (French horn); instructor/asst./assoc./full professors, nursing-community health, nursing-child health; asst. professors, pharmacology (2), child health, forestry, fisheries and wildlife (2), veterinary medicine and surgery (2); asst. professor/condensed matter experimentalist, physics; asst./assoc. professors, information science, physics; asst./assoc./full professors, veterinary medicine and surgery (5); assoc./full professor, veterinary pathology; assoc. dean for research and graduate studies, nursing; dean, College of Agriculture/director, Agricultural Experiment Station; visiting professor, management; postdoctoral fellows, chemistry, biochemistry-Missouri Institute of Psychiatry (3); research assoc., agronomy; specialist for media based instruction, Center

for Independent Study; librarian I-health science public services librarian; acquisitions librarian-librarian I, law; administrative assoc. I; assoc. director, counseling services; coordinator, student financial aid; health physicist; industrial hygienist; information specialist; radio producer; research specialist; scientific programmer/analyst; steam and water distribution specialist; **UMCA:** marketing business manager;

UMC Hospital: administrative dietitian; clinical nurse; I.V. nurse; manager, nutrition and dietetics; nurse anesthetist; occupational therapist; sr. accountant; sr. systems programmer; supervisor, medical records;

UMKC: instructors, communication studies, nursing; instructor/asst. professor, computer science; asst. professors, quantitative analysis, education; asst./assoc. professors, accountancy (2), computer science (3), endodontics, orthodontics; asst./assoc./full professor, oral and maxillofacial surgery, removable prosthodontics; professor, banking; director, computer science programs;

clinical faculty, dentistry; adjunct faculty, biology, theatre; visiting professor, theatre; acting/management/production positions, theatre; master designer, theatre; asst. dean, music-continuing education; medical director, Bloch Cancer Management Center; research asst., UMKC Institute; sr. research asst., UMKC Institute; manager, development fund-dental school;

UMR: asst. professors, petroleum engineering, civil engineering; asst./assoc. professor, engineering mechanics; professor/director, graduate center for materials research; asst. director, student financial aid; computer programmer analyst I;

UMSL: medical-surgical nursing instructor; instructor/asst./assoc./full professor, quantitative management; asst. professors, public law/American politics, marketing; visiting asst. professors, biology-anatomy/physiology, biology-microbiology; asst./assoc./full professors, accounting, management, public health/epidemiologist; manager, sports information.