

# SPECTRUM

University of Missouri system

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## Rolla to become computer leader

The purchase of advanced computer-graphics equipment will make UM-Rolla a leader in graphics computing and one of a half-dozen U.S. schools with graphics computers.

The UM system Board of Curators June 27 approved the \$1-million computer-graphics purchase in the second phase of a \$1.5-million long-range plan to modernize Rolla's computer hardware.

Computer graphics uses computers to produce pictorial rather than numerical output. The new purchase will include a host computer for graphics, storage-tube graphics terminals, communications systems allowing other UM campuses to use the equipment, and hard-copy output and plotting equipment. Funds also will go to upgrade some existing systems and cover installation costs.

The project's initial phase, which included acquiring an IBM 4331 computer for \$300,763 and an IBM 8140 computer for \$61,393, received board approval last December.

Addition of the computer-graphics component to UM's computer network will permit scientific and engineering computation not presently available at any of the UM campuses.

"Computer-aided design and computer-aided manufacture (CAD/CAM) are rapidly becoming major areas of interest in business and industry, but educational institutions have only begun to pick up on this new trend. Consequently, with this acquisition we will move rapidly into the mainstream in this field. We will be one of only four or five schools in the country and the only one in the Midwest able to do this kind of work," said Robert L. Davis, dean of UMR's School of Engineering.

## New tenure rules end UMC censure

The UM system Board of Curators' June 27 approval of new tenure regulations will end UMC's seven years' censure by the American Association of University Professors.

The AAUP promised to lift its censure of the Columbia campus if the new regulations were approved.

A salary dispute led to AAUP censure in 1973. The AAUP supported seven UMC faculty members' claims for salary increases. The faculty members were denied increases after dismissing classes in spring, 1970, to protest the Kent State incident. The faculty members have since accepted cash settlements from the University.

Faculty and central administration have been reviewing the tenure revisions for three years. The regulations replace 1972 rules that faculty governance groups said were restrictive and provided inadequate due process in academic-freedom and tenure-appeal cases.

The new tenure regulations will be printed and distributed to faculty members during the upcoming academic year.



Howard Mancing

## Mancing fills new UMca position

Howard Mancing, UMC romance languages department chairman and associate professor of Spanish, will be the UM central administration's first academic associate to assist Mel George, vice president for academic affairs.

Dr. George established the one-year academic associate appointment to replace the permanent position of associate vice president. Dr. Mancing will assume the new position Sept. 1. Following his one-year appointment, he will return to his department on the Columbia campus.

Purpose of the academic associate

position is two-fold: it will give administrative experience to UM faculty members and provide varied faculty assistance to central administration's academic affairs office.

Dr. George said he received applications from all four campuses, but nearly three-fourths of them came from UMC.

"I'm delighted that a person of Dr. Mancing's ability will be working with me in 1980-81. I look forward to having other faculty members from throughout the system in years to come," Dr. George said.

## Staff floating holidays set

The floating holidays for 1980-81 and 1981-82 will be:  
1980-81—Friday, Dec. 26, 1980, and Friday, Jan. 2, 1981;  
1981-82—Thursday, Dec. 24, and Thursday, Dec. 31, 1981.

## UM, UN develop student exchange

A new agreement between the universities of Missouri and Nebraska allows Missouri students to enroll in most UN graduate programs without paying out-of-state fees.

The UM system Board of Curators approved the bi-state education agreement at its June 27 meeting.

"This agreement offers Missouri students broader educational opportunity and in return will provide the state a greater economic advantage by avoiding the duplication of high-cost graduate programs," UM President James C. Olson said.

The new UM-UN agreement expands an existing UM-UN program that permits exchanges in 10 graduate and undergraduate areas. In future, exchanges may occur in all graduate programs except law, medicine, dentistry, pharmacy, veterinary medicine and optometry. The agreement allows other states to participate in the exchanges.

The UM system also has exchange agreements with the University of Kansas and Kansas State University in several graduate and undergraduate programs.

The new UM-UN agreement allows either university to modify its list of excluded programs or withdraw from the agreement upon one year's advance notification. Students would be able to remain at affected campuses for a reasonable time to complete their degree programs.

## Curators broaden investment plan

University employees soon will get a broader tax-deferred investment program.

The UM system Board of Curators has extended program participation to brokerage and investment firms. Qualifying firms will sell tax-deferred mutual funds to UM employees through a payroll-deduction plan. UM's present tax-deferred investment plan is limited to 31 insurance companies that sell annuities.

The curators have raised requirements for companies selling investments to UM employees. New participating firms must have premiums of \$2,000 a month or 25 participants. In addition, companies will no longer be allowed to sell annuities with accompanying incidental life insurance.

"Tax deferred" refers to compensation that is deferred through annuity investment until the investment is cashed in or payments are received on it.

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## Request for 1981-82 okayed

The University of Missouri will request a \$34-million increase in state funding for 1981-82.

The UM system Board of Curators approved UM central administration's \$34-million request at the June 27 curators' meeting. The board will forward the request to the state by Oct. 1.

Preliminary plans indicate the UM system will seek state funding totaling \$204.4 million. Non-state funds for 1981-82 are projected at \$93 million, which would make a total general operating budget of \$297.4 million.

Of the \$34-million increase requested, \$21 million is for inflationary

adjustment and \$13 million is based upon academic program requirements, employee compensation improvements, and replacement of health-related capitation funds being phased out by the federal government.

The request includes a 12.6 percent increase in the salary-and-wage base and a 12.5 percent increase in student fees.

In developing its request, the University followed a Coordinating Board for Higher Education recommendation on economic indexes. The University used the Consumer Price Index to estimate resources needed to protect faculty and staff from erosion of real income. UM used the Higher Education Price Index to determine resources for maintaining the constant purchasing power of non-salary expenditures.

The coordinating board and governor's office may recommend a different support level next fall, when more accurate assessments of 1981-82 inflation rates can be made. In that event, UM will make the appropriate adjustment, Dr. Olson said.

The 1981-82 appropriation request reflects guidelines the board approved last December, campus proposals and recommendations from public hearings held in May.

Proposed state funding in 1981-82 includes the following support for academic programs: optometry, \$340,962; library improvements, \$1.2 million; health sciences, \$1.5 million; communication and computer science, \$1.4 million; teaching and research in energy and agriculture, \$1 million; business and labor productivity, \$465,873; faculty-staff development and equal opportunity, \$300,000; student academic achievement, \$570,716; family farm development, \$229,100; arts and humanities, \$205,323; opening of the animal science building, \$46,111; public-sector teaching and research, \$639,387; and hazardous waste and other compliance, \$362,460.

The budget request also includes capital improvements totaling \$37.5 million. The University Hospital requests a state operating-fund increase of nearly \$2 million, for a total appropriation of \$15.3 million. Capital improvements proposed for the hospital total \$2.8 million.

## Round-up of curators' June 27 actions

The UM system Board of Curators approved the following items at its June 27 meeting:

- Final designs for replacing the Hearnes Multipurpose Building roof. The University will take project bids July 15. If favorable bids are received, work could be completed within 90 days.

Estimated cost of the project is slightly less than \$1 million. The General Assembly recently earmarked \$632,000 for Hearnes. Campus reallocation of other 1980-81 appropriated physical-facility funds complete financing of the project.

- A \$253,858 contract to install a heat-recovery system at the UMC chemistry building. J. Louis Crum Corp. of Columbia submitted the lowest of five bids. Federal and state funds will finance the project.

## Jobs

The following administrative, professional and academic vacancies were listed with *Spectrum* as of June 27. Those interested in a position should contact the appropriate academic department or personnel office.

**UMC:** Administrative associate I; administrative manager, extension; art director, academic support; assistant directors, residence hall, student development (recreation); associate director, residential life (Greek life); assistant supervisor, custodial; food service supervisors I & II; grants & contracts specialist; information specialist (2); managers, food service (residence halls), cost containment-kidney program, graphics services, utilities; manuscript specialist; personnel associate; research specialist (2); scientific programmer/analyst I; staff development coordinator-nursing; supervisor, broadcast engineer KOMU-TV; **UMca:** Computer programmer/analyst I & II; computer

project manager (3); construction inspector; production manager; research scientist (2); senior systems analyst (2); senior systems programmer; systems manager (2); senior accountant;

**UMC Hospital:** Assistant directors, hospital rehabilitation service, nursing service; biomedical engineer; child life activity therapist; computer programmer/analyst II (2); head nurse (3); health care evaluation analyst (2); managers, IV therapy, malpractice/general liability, training & development; occupational therapist; physical therapist; registered medical technologist (2); social worker; senior computer programmer/analyst; senior registered medical technologist; senior research specialist;

**UMR:** Manager, music program radio; administrative associate;

**UMSL:** Project development specialist;

**UMKC:** Student services coordinator/counselor.

## Board outlines '80-81 spending

The UM system Board of Curators June 27 approved plans for using the \$170.4-million state appropriation for 1980-81.

The state appropriation, increased \$19.7 million or 13 percent over last year's appropriation, represents about 68 percent of the University's general operating budget.

UM President James C. Olson outlined the planned uses of the \$19.7-million increase: approximately \$11.2 million will provide a 9.5-percent increase in the state component of the University's salary, wage and staff benefits base; \$3.8 million will go to program improvements; \$2.8 million will cover non-salary inflationary adjustments; \$1.2 million will replace the loss of federal support in the health sciences; and the rest will be used for student enrollment adjustments.

Increased financial support for improving academic programs will be used in the following areas: \$970,947 for instructional improvements on all four campuses, plus \$993,845 for libraries; \$262,230 for agriculture-related research programs; \$836,940 for health professions, including \$257,240 for optometry; \$335,500 for academic

program development; \$141,400 for research on aging and renewable resources; \$40,000 for the family farm development program; \$250,000 for special equipment; and \$507,792 for enrollment increases.

In addition to University general operating funds, the state provided the UM system \$13.4 million for University Hospital, an increase of \$1 million or 8.6 percent; \$2 million for the Missouri Institute of Psychiatry, an increase of \$84,346 or 4.2 percent; \$2.4 million for the Missouri Kidney Program, an increase of \$111,128 or 4.9 percent; and \$453,293 for the State Historical Society of Missouri, an increase of \$66,096 or 17.1 percent.

Dr. Olson said specific board action is required for each staff benefit program being improved. He said these document changes would be placed on future board agendas beginning in July.

Dr. Olson praised state support of University programs and said this year's appropriation "will enhance the University's ability to protect itself against erosion of quality in a period of double-digit inflation."

# SPECTRUM

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- A contract between the UMC School of Medicine and Howard County Family Medical Care, Inc. to establish a program of advanced training for licensed physicians specializing in family medicine.

The \$300,000 contract with UMC will allow the non-profit corporation to establish a Fayette practice site. Practice revenues will then reimburse the \$300,000.

- University plans to self-insure its workers' compensation program and avoid paying the escalating cost of premiums to outside carriers.

UM will self-insure the first \$125,000 in liability for each covered injury and will contract with a private firm for claims exceeding \$125,000.

- Preliminary plans for a \$1-million ophthalmology clinic at UMC's Health Sciences Center.

The Roy E. Mason and Elizabeth Patee Mason Memorial Education Fund will finance the project.

Clinic plans call for a 8,900-square-foot, one-story building east of University Hospital's Outpatient Clinics.