

## Period set aside for changing medical benefits

UM employees who participate in medical benefits programs may make changes in the program options from Nov. 1 to 15, says Michael Paden, director of UM staff benefits. Changes made in November become effective Jan. 1.

Employees currently enrolled in the University's self-insured program may transfer from the \$100 deductible to the \$500 deductible without submitting evidence of good health. Employees also may transfer from the \$500 deductible to the \$100 deductible, but evidence of good health is required.

The change period is not an open enrollment period for employees who are not currently enrolled in the University's program. Unless employees enroll within 60 days of beginning employment with the University, evidence of good health is required for enrollment. Alterations in benefits due to changes in family status, such as death, marriage, divorce or birth, must be made within 30 days of the change.

UM employees in the Kansas City and St. Louis areas have additional options. From Nov. 1 to 15, they may transfer from the

## UM considers use of computer funds

An academic computing plan for 1985-86 has been developed to help the University take maximum advantage of the special, one-time state appropriation of \$6,973,000 for academic computing equipment.

The campuses were asked to submit assessments of their computing needs to Jay Barton, vice president for academic affairs. Following are elements of the plan as developed from the campus assessments:

- Improve instructional computing in a way that is consistent with the University's overall plan for computing, which is to be completed by the end of the fiscal year.
- Set goals for academic computing based on the campuses' academic program needs and on technological trends.
- Establish a network for sharing information throughout the University, using both voice and video technology. The network would connect departmental, campus and intercampus networks and provide access to national and international networks.
- Establish a partnership between UM-Kansas City and UM Computing and Information Technology to guide the development of the university information network.
- Establish partnerships with information processing industries to assist in achieving academic computing goals.
- Provide additional non-prime computing time for academic programs.

A request for information was issued to about 12 major vendors earlier this month to solicit recommendations on how they might best meet the computing needs of the University. Later this month vendors will be invited to discuss their recommendations with vice presidents and chancellors.

Written responses to the request for information are due in November. The University will then issue requests for proposals to vendors. After evaluation of responses from vendors, recommendations for specific equipment purchases will be submitted to the Board of Curators.

	CURRENT EMPLOYEE MEDICAL BENEFIT COSTS					
	Maxicare (St. Louis)	Group Health Plan (St. Louis)	Total Health (Kansas City)	Prime Health (Kansas City)	UM-\$100 Deductible (All Campuses)	UM-\$500 Deductible (All Campuses)
Employee	\$ 31.94	\$ 24.68	\$ 26.94	\$ 35.64	\$ 25.76	\$ 12.84
Employee & Child	97.24	66.16	80.30	86.46	34.88	17.42
Employee & More Than One Child	175.32	66.16	80.30	86.46	34.88	17.42
Employee & Spouse	57.22	42.68	61.00	64.62	54.84	27.36
Family	112.70	94.22	110.10	99.30	66.14	33.04

University's medical benefits plan to a health maintenance organization without providing evidence of good health. Employees currently enrolled in an HMO who wish to switch to the University plan also may do so without evidence of good health.

UM-St. Louis and UM-Kansas City employees not currently enrolled in either the University plan or an HMO may, during this change period, enroll in an HMO. Initial HMO enrollments do not require evidence of good health.

The HMO is a form of prepaid health care, which places emphasis on preventive medicine. This form of coverage is available only to Kansas City and St. Louis area employees. More than 30 percent of UMKC employees and 15 percent of UMSL employees are enrolled in HMOs.

Several informal meetings have been scheduled on the UMKC and UMSL campuses to allow employees to ask questions of HMO representatives and representatives of

the UM medical benefits program. In Kansas City, the representatives will be on campus Nov. 5 from 8 a.m. to noon in the Chancellor's Dining Room at University Center and 2 to 4:30 p.m. in Room 250 of the dental school and Nov. 6 from 8 to 11 a.m. in Room M4-CO5 of the medical school and 1 to 4:30 p.m. in the University Center Chancellor's Dining Room.

St. Louis meetings are scheduled for Nov. 5 from 1:30 to 4 p.m. in Room 78 of the J.C. Penney Building and Nov. 6 from 9 to 11:30 a.m. in Room 126 of the J.C. Penney Building.

More information, including comparative figures for the medical benefits options, is available from the campus staff benefits offices.

## Committee formed to review proposals

Nancy A. Marlin, UM assistant vice president for academic affairs, has announced the makeup of the University's Weldon Spring Endowment Review Committee, which will review proposals submitted for the 1986 competition for Weldon Spring Endowment Fund support.

Members of the committee are Don Blount and Henry White, UM-Columbia; Rosa H. Huang and Marlene Springer, UM-

Kansas City; Bob Laudon and Harry Sauer, UM-Rolla; and Tom Jordan and Donald Phares, UM-St. Louis.

The committee next spring will review proposals submitted to compete for \$346,250 in Weldon Spring funds. Proposals to be considered are for research projects or other activities that illustrate faculty creativity while increasing the level of intercampus cooperation.

## Extension highlights board's planning discussion

Plans for the future of University Extension — programs offered through both the Missouri Cooperative Extension Service and the campus extension units — will be presented to the UM Board of Curators when it meets next week in southwest Missouri.

The board is meeting away from a University campus as part of an effort to understand the state's needs for University programs and to familiarize board members with University facilities located throughout the state. The board will tour and conduct meetings at the Southwest Center, a UM-Columbia agricultural experiment station located near Mount Vernon. Missouri Gov. John Ashcroft is tentatively scheduled to attend the board's sessions on Thursday.

The next off-campus meeting of the board is scheduled for June 1986 at the UMC Delta Center near the southeast Missouri community of Portageville.

Next week's meetings of the board include several items related to implementation of the long-range plan. The proposals concerning extension programs result from an extension and service objective that directed the University to evaluate the performance of extension programs in contributing to the achievement of the University's mission. The long-range plan calls for an annual report to the board on the results of the evaluation.

The plan for the future of extension has

been under development for a year by an extension planning committee created to examine the role of University Extension. The committee carried out its charge, in part, by conducting a statewide needs assessment, which involved sampling a large portion of the state's population.

Other long-range planning objectives scheduled for discussion at next week's meetings:

### Student Development

- Each campus should prepare an enrollment plan annually to reflect expected changes in the state's demography and predict the projected mix of the student body based on a variety of dimensions, such as graduate/undergraduate, age distribution, in-state/out-of-state. — A report and recommendations for further action will be made to the board.

- The University should increase its efforts to attract outstanding students through faculty, student and alumni visits to middle schools, high schools and community colleges, by designation of special scholarships, by utilization of extension centers in each county and by other means. The University should provide leadership for identifying talented

students at an early age and should facilitate the educational experience of such students.

— The board will hear a report and recommendations based on the administration's review of campus reports.

- The University will improve its ability to assess the extent to which it accomplishes its instructional mission — the extent to which students' skills and knowledge are improved by the University; the placement of graduates; the percentage of graduates who pursue advanced study; the achievements of alumni; and the results of self-assessments by students of their educational experiences and outcomes. — The board will hear a report and recommendations based on the review of campus reports.

### Extension and Service

- The University will offer a more comprehensive series of in-service programs in subject-matter areas for elementary and secondary teachers. The programs should capitalize on the strengths available within the University. — Campus reports detailing present activities and recommendations for additional programs have been reviewed, and administrative leaders will make a report to the board.



# Projects start reaping benefits for UM, Missouri

Dozens of firms, ranging from multinationals like IBM to small local companies, are benefiting from strong ties with the University of Missouri as a result of the Missouri Research Assistance Act.

Approved three years ago by the Missouri Legislature, the MRAA was designed to stimulate Missouri's economic growth, create jobs and attract private investment. The act provides up to one dollar in state funds for every two dollars of non-state support for certain University research projects.

Since the University Board of Curators approved the first awards in early 1983, about 40 UM research projects have shared in more than \$4 million in RAA funding. Some 30 firms, ranging from Fortune 500 corporations such as McDonnell Douglas, IBM and Monsanto to small, local start-up companies, have provided about \$2.8 million of that total, with the remainder coming from the state.

Project focuses include research aimed at increasing food and fiber production; better managing our natural resources; improving information processing, storage and retrieval; developing a variety of products and processes of industrial interest; and improving health care.

Although most RAA projects are still in the formative stage, the potential economic impact of some is already apparent.

For example, in early June Dow Chemical Co. signed an agreement with the University for further development of a drug to treat bone cancer. The disease often occurs when cancer from other sites spreads to bones, which swell and warp, producing intractable pain.

The new drug is strongly attracted to rapidly growing bone cancer cells and concentrates more heavily near cancerous areas than in surrounding healthy bone, says project coordinator Wynn Volkert, UM-Columbia

professor of radiology.

A short-lived radioisotope that is part of the drug compound gives off potent beta particles that bombard and kill mutant cells, causing the cancer to shrink. This reduces swelling, so pressure on nerve endings is relieved, diminishing or eliminating pain.

"If this drug proves clinically useful, our agreement specifies that the University's research reactor will be used to produce the radioisotope. That would mean a facility and staff might be established in Columbia to produce and package it and perhaps serve as a national distribution center for the drug," says Volkert.

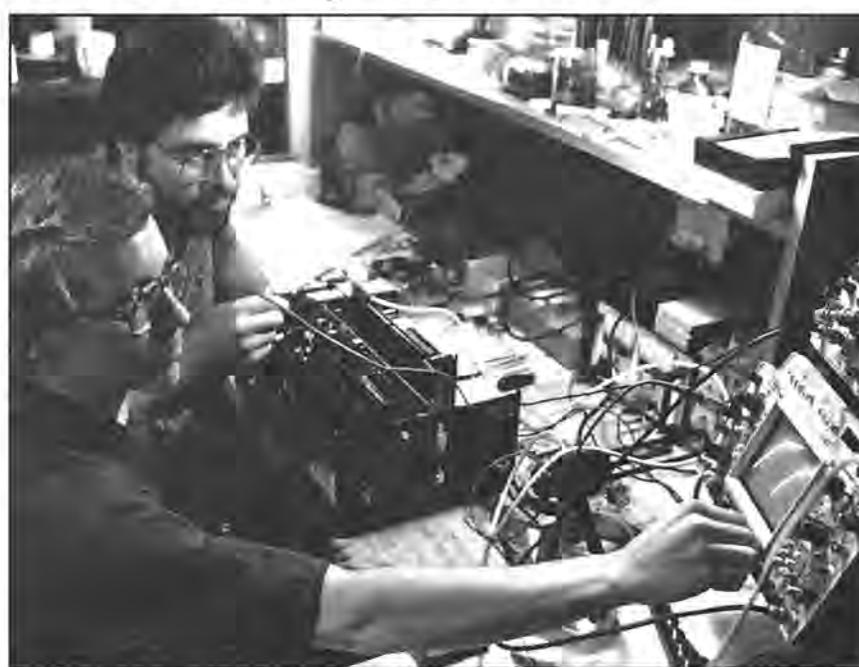
At UM-St. Louis the MRAA-funded Business Database and Information Service has been called on by several Missouri-based organizations to aid them in making business decisions. UM-SL's computerized economic and demographic data are a valuable resource for Missouri businesses and communities.

For example, to help officials make bus service more efficient in greater St. Louis the UM-SL program is now involved in a study of bus routes and ridership for the BiState transit system.

The UM-SL service has also been employed by Southwestern Bell Corp. to help determine telecommunications needs in its service region, by the May Department Stores Co. to evaluate potential store sites and by several other firms.

At UM-Rolla a local firm has supported efforts by campus researchers to develop a unique ultrasonic diagnostic system. The new device aids surgeons performing operations in the abdominal region by providing a televisionlike image of body organs.

The easy-to-operate system, which utilizes the latest in digital electronics technology, is now being sold, says principal investigator Thomas Herrick, UMR associate professor of electrical engineering.



UMR students are shown working on the development of a computer system for the ultrasonic medical diagnostic system, which was created with funding from the Research Assistance Act. The Kelley Development Corp. of Rolla provided the private portion of funding.

"The device is manufactured in Rolla and has already created more than a dozen jobs in the community. Plus, there's a backlog of orders so we're looking at increasing production," says Herrick, who adds that besides creating jobs the project will lead to long-term interaction between the University and the manufacturer.

At UM-Kansas City a computerized medical/dental data base is being developed in cooperation with Argus Computing Inc., a Kansas City firm that specializes in state-of-the-art, on-line health care data systems.

Information on head and neck cancer, trauma, drug surveillance and gum disease

will be contained in the data base. The information should aid pharmaceutical and medical care device makers, prove useful in helping formulate public and private health care policy and increase the research capacity of the institutions involved, including UMKC's medical, dental and pharmacy schools.

James E. Judge, Argus president, says the data bases developed with the help of UMKC researchers should play a valuable role in the delivery of cost-efficient health care to hospitals, ambulance services and medical institutions not only in Kansas City but nationally.

## Jobs

The following administrative/professional and academic vacancies were listed with *Spectrum* as of Oct. 11. Anyone interested in a position should contact the appropriate department or personnel office.

**UMC:** professor, news editorial; asst. professor, public administration, chemistry, educational/counseling psychology, art education, computer science, Spanish (2), speech/dramatic art, veterinary medicine/surgery (2), sociology, animal sciences (2), mechanical/aerospace engineering; asst./assoc./full professor, history, industrial engineering, mechanical/aerospace engineering; clinical instructor, medicine; asst./assoc. professor, finance (3), German-Slavic studies, clinical psychology, surgery, veterinary biomedical sciences, anthropology, biological sciences (cell biologist), biological sciences (neurobiologist), social work, veterinary pathology, veterinary medicine/surgery (2),

religious studies, family/community medicine (3), history (2); assoc. professor, law; instructor/asst. professor/health education specialist, continuing medical education; assoc./full professor/department chairman, marketing; clinical instructor/clinical asst. professor, family/community medicine (2); instructor/asst./assoc. professor, business administration, nursing (5); instructor/asst. professor, veterinary biomedical sciences; librarian I/information services librarian (2); postdoctoral fellow, veterinary biomedical sciences; director/instructor, law enforcement training institute; instructor/asst./assoc./full professor, anesthesiology; instructor/curriculum specialist, Center for Independent Study; librarian II, family/community medicine; professor/chairman, psychology; director/fire training specialist, Missouri Fire & Rescue Training Institute; director, development fund; asst. director, athletics; energy management engineer; information specialist; asst. supervisor, building services, dairy operations; sr. research specialist (2); research specialist (4); museum curator; coordinator, media communications laboratory, student financial aids, continuing education; cultural heritage projects coordinator; sr. continuing education coordinator; radio producer; training associate, recreation/park administration. **UM:** computer programmer/analyst II.

**UMC Hospital:** manager, audiology/communication disorders unit; administrative nurse I; clinical dietitian; education nurse I; occupational therapist; computer programmer/analyst; clinical specialist; sr. fiscal analyst.

**UMKC:** assoc./full professor, direct marketing; grader, business/public administration; asst./assoc. professor, chemistry, design (theater), removable prosthodontics, marketing, operations management or management information systems, accountancy; visiting professor, theater, adjunct faculty, biology; asst. professor, administration and law, education; instructor/asst. professor, communication studies; research associate, Institute for Human Development; theater assistant (10); visiting research associate, physics; lecturer, chemistry, basic life sciences, business, history, computer science, engineering; librarian II/head of cataloging; asst./assoc. professor/director of bands, Conservatory of Music; clinical faculty, dentistry; asst./assoc./full professor, computer science; ballet instructor, Conservatory of Music; director, affirmative action/coordinator of academic personnel.

**UMR:** research asst. professor, metallurgical engineering, materials research; visiting assoc. professor, electrical engineering; adjunct asst. professor, electrical engineering; postdoctoral fellow, physics; lecturer, engineering management, philosophy, English (2); professor/chairman, electrical engineering, civil engineering; research engineer, chemistry; accountant.

**UMSL:** asst. professor, marketing, plant physiology, economics, childhood education, behavioral management (2); assoc./full/visiting professor, marketing; asst./assoc. professor, Spanish, computer science; asst./assoc./full professor, accounting, finance, management science/information systems; sr. continuing education coordinator.

## Group discusses UM organization

All members of the University community are invited to participate in discussions when a committee created to study the University's organizational structure meets on the campuses.

President C. Peter Magrath established the committee in July to generate dialogue about the following questions:

• Is the present system of central/campus administration appropriate to the University of Missouri as it looks forward to the next 10 years?

• Is the present division of responsibilities between the central administration and the campuses appropriate, or might some changes lead to greater efficiencies and cost savings?

• Is the University appropriately organized to obtain non-state, voluntary support in the form of gifts, grants and contracts from all sources?

The open meeting at UM-Columbia will be at 3 p.m. Oct. 21, in S203 Memorial Union. At UM-Rolla, the meeting will be held in the Mark Twain Room at 2:30 p.m. Oct. 30. Meetings at UM-St. Louis and UM-Kansas City were held earlier this month.

The committee members are Charles F. Knight, chief executive officer of Emerson Electric, chairman; Harold L. Enarson, former president of Ohio State University and member of the Colorado Commission on Higher Education, consultant; R. Kenneth Hutchinson, UM assistant vice president for human resources; Doug Russell, president of the Board of Curators; and Duane Stucky, UMC vice chancellor of administrative services.

# SPECTRUM

is published 20 times a year, approximately every other week during the school year and monthly during the summer, by UM University Relations, 400 Lewis Hall, Columbia, in cooperation with the Columbia, Kansas City, Rolla and St. Louis information offices.

Editor: Bonita Eaton  
Phone: (314) 882-4591

