

# SPECTRUM

University of Missouri system

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**NEW SEMESTER BEGINS**—Although spring enrollments always are down slightly from the fall semester, registration lines seem to never get shorter to the students as this UMC scene indicates. Unofficial enrollment figures show head count at UM campuses may be up slightly over the spring semester last year.

## UMKC arranges exchange with Moscow State University

UM and Moscow State University, USSR, will begin a formal exchange program next September. UM President James C. Olson announced last week.

A two-year agreement between the two schools calls for joint scholarly investigations as well as an exchange program for professors and research associates in both the natural sciences and the humanities. The agreement was signed in Moscow this week. Representing UM in Moscow was UMKC Chancellor George A. Russell and Eugene P. Trani, UMKC vice chancellor for academic affairs. Trani, a Fulbright scholar in American history at Moscow State University last winter, was instrumental in arranging the agreement.

Because of the ties already forged by Trani during his visit to the USSR last year, UMKC has been designated the UM system's lead institution in the exchange program.

Moscow State University maintains a strong exchange program with universities in the United States, Western Europe and Japan. U.S. universities which participate in Moscow State's exchange program include Columbia University, Harvard University, the University of Pennsylvania, the State University of New York, the University of Illinois, Indiana University, Ohio State University, the University of Iowa and the California Institute of Technology.

In view of the present political climate, Russell said he is aware there are those who may believe the University is acting inappropriately. However, the decision to enter into

this exchange agreement with Moscow State University was made after months of careful thought and planning, and with full knowledge and cooperation of the U.S. State Department.

"We, too, are concerned about the present world situation, but when all is said and done, we believe this University would be doing a disservice to its students and faculty and the citizens of Missouri if it did not take this opportunity to encourage both educational exchange and, we hope, a better understanding between the people of the United States and the Soviet Union," Russell said.

"Politics notwithstanding, our business is education. And I believe education may be the single greatest instrument we have to foster mutual understanding and avert mutual disaster."

Trani explained that under the agreement, UM and Moscow State University will annually exchange two persons (one each semester) for up to four months to lecture or conduct scientific research. In the USSR, the visits are scheduled to begin Sept. 15 (fall semester) and Feb. 15 (spring semester). Soviet scholars will begin work in the United States on Sept. 1 and Jan. 15.

In the area of research, the universities will exchange information on joint projects as well as periodicals and scientific literature in the natural sciences, the humanities and higher education.

## CBHE launches reassessment of master plan

The state Coordinating Board for Higher Education has approved a proposed reassessment of Master Plan III, the state's master plan for higher education, which was approved in 1979. The 18-month study will be conducted by the Missouri Department of Higher Education.

Stanley Koplik, state commissioner of higher education, said the reassessment is prompted by changes in assumptions concerning federal involvement and general revenue which were made when the master plan was adopted. Three assumptions crucial to the master plan were:

- Federal funding for higher education would continue at or increase from the levels prevailing in the 1970s;
- The level of state general revenue allotted to public colleges would remain constant at 19 percent of all such funds and appropriations would compensate for inflation while underwriting program growth; and
- College enrollments would sharply decrease, beginning in the mid-1980s.

The reassessment will involve a thorough review by higher education department staff of the state's instruction, research and public service programs, according to Koplik.

The study will concentrate on review of existing academic programs and a comparison of cost data between Missouri public institutions and a selected group of peer institutions.

Although the state colleges and universities will not be directly involved in the study, the coordinating board will seek input from the higher education community before acting on the department's recommendations.

## Legislation addresses higher education issues

In addition to appropriating state funds for the UM system, the Missouri General Assembly also will be deciding on several House and Senate bills that may interest University faculty and staff.

The bills and their status as of Jan. 22 include:

### • House Bill 1554, Senate Bill 619: Libraries—Establishment of Networks

Would provide for the establishment of library networks, which could consist of different types of libraries formally organized to share their combined resources. Library networks would have to certify their plans with the state librarian. No network would be eligible for state funds until its establishment has been approved by the Coordinating Board for Higher Education.

The House bill has been heard before the Higher Education Committee.

The Senate bill has not been assigned to a committee.

### • Senate Bill 719, House Bill 1375: Higher Education—Research Projects

Would establish a higher education research fund and an applied projects fund under the UM system administration and the Coordinating Board for Higher Education. The funds would be used to promote research projects and applied research projects to encourage private investment in the state in such areas as agriculture, natural resource management, industrial processes, etc. The state would pay a portion of research project expenses if other funds for the projects are obtained from sources other than the state or federal government.

The Senate bill has been passed.

The House bill has been passed out of the Higher Education Committee and is on the House calendar.

### • House Bill 987: State Employees—Residence Requirement

Would require that all persons hired by the state for at least 25 hours a week be residents of Missouri.

Hearings have been held by the Urban Affairs Committee.

### • House Bill 1162: Educational Institutions—Degree Programs

Would require the Coordinating Board for Higher Education to approve all courses of instruction, degrees and degree programs offered to Missouri residents by out-of-state institutions. Would authorize the coordinating board to establish minimum institutional criteria, to investigate institutions and to maintain a list of approved institutions. The requirements could be extended to non-accredited Missouri schools as well.

The bill has been passed out of the Higher Education Committee and now will go on to the House calendar.

### • House Bill 1179: (Merged with H.B. 1253): Governmental Bodies—Open Records, Meetings

Would extend the Sunshine Law to cover all public governmental bodies created either by the state law or by ordinance or order of any political subdivision or district or by executive order. Would include advisory boards and committees.

Would extend the definition of a public record for purposes of the law to include any report, survey, memorandum or other document or study prepared and presented to the public governmental body by a consultant or other professional who is paid partly or wholly by public funds.

Would allow aggrieved persons or taxpayers to bring civil actions against members of governmental bodies that violate the law and would provide fines up to \$100.

Disciplining procedures, labor negotiations and legal work product would not be open to the public.

The bill has been heard by the House Committee on Governmental Review.

CENTRAL ADMINISTRATION  
HAVENER JR, RALPH S  
701 LEWIS HALL



For the trauma patient, time is crucial. Through cooperation with the state highway patrol, the University Hospital can speed transportation time with an emergency helicopter.

## Battling trauma

As a level I trauma center, the University hospital fights the "disease" of accidental death.

Frank Mitchell, UMC professor of general surgery and chairman of the Governor's Council on Emergency Medical Services, has been telling people that this year should be remembered as the year that Missourians rejected the idea that an accidental death is an acceptable death.

"It is estimated that 20 to 60 percent of the people whose deaths are listed as accidental could have survived if given the right care at the right place in the right time," says Mitchell.

The UMC Hospital, which was recently designated a level I trauma center, is the right place with the right care, he says. Level I trauma centers have the capacity for taking care of any kind of major trauma 24 hours a day.

Trauma is loosely defined as a bodily injury, wound or shock. Mitchell says it is generally accepted that a trauma patient has severe, major and multiple injuries, and the mortality threat is high. An auto accident is the classic situation because it can easily result in head, chest and abdomen injuries as well as fractures and lacerations.

The national trauma committee, of which Mitchell is a member, developed 115 criteria for a hospital to be named a level I trauma center. Levels II and III trauma centers meet less stringent criteria.

Fundamental to the 115 criteria are a trained trauma team in the emergency room, surgeons in the hospital 24 hours a day and an operating room staffed and ready to go at all times. Every specialty and support service, including anesthesiology, radiology, recovery rooms, blood banks and labs, also must be staffed 24 hours a day.

When the Missouri trauma committee reviewed the national criteria and modified them for the state, they made Missouri criteria even more stringent. For example, there are no specific national criteria relating to infants, but the Missouri committee adopted the stand that infants are not the same as adults and can not be treated as such, so they required special pediatric equipment, facilities and personnel.

Currently, there are three other level I trauma centers in the state, one in Kansas City and two in St. Louis.

Mitchell says most people's concept of the trauma center is the emergency room, but a trauma center is much more. "A trauma center requires the commitment and capabilities of the entire hospital."

The goal of the state committee is to improve trauma care throughout the state. As a teaching hospital, the University Hospital has the opportunity to train future medical professionals in trauma care.

In addition, a criteria for a level I trauma center is to review trauma training and offer educational conferences throughout the hospital's region. One way the University Hospital is fulfilling this criteria is by teaching courses to family practitioners and rural physicians to help them treat trauma patients.

"Accidental death is a time-related disease," Mitchell says. That's why it is important for all hospitals in the state to be prepared to stabilize trauma patients and then either treat them or transport them to a trauma center.

The University Hospital has more emergency transfers than any other hospital in the state. The hospital serves patients from the Arkansas to the Iowa borders.

A helicopter program operated through cooperation with the state highway patrol brings many trauma patients and emergency transfers to the University Hospital. Mitchell estimates 40 percent of the patients brought in by helicopter would not have survived if they had been transported any other way. But, Mitchell says, there is still a 30-minute delay with the helicopter that could be reduced to three minutes if the University had its own emergency helicopter.

Bob Smith, hospital director, says the creation of a trauma center indicates a lot of team work. Mitchell agrees, "We have a commitment from the entire staff of the hospital to providing trauma care. We want the public to know that there's a better way."

Not all severely injured accident victims have to die.



photos by Karl Cutes

In the emergency department, top, trauma patients have their injuries assessed, life threatening situations treated and are prepared for further treatment, as Clint Welsh, left, a general surgery resident, Charlotte Holt, a paramedic, and Michael Metzler, director of the emergency department, demonstrate on patient Sue Palmer, a emergency department unit staff assistant. From the emergency department, patients might be sent to X-ray for a cathscan, bottom left, or to surgery, bottom right, for treatment.

### Emergency—trauma center's front door

The University Hospital's emergency department is the "staging platform" for trauma care involving the entire hospital, says Frank Mitchell, UMC professor of surgery in charge of trauma at the hospital.

In the emergency department, a trauma team is standing by with equipment ready when a patient is brought in. "You might call it trauma by appointment," says Michael Metzler, director of the emergency department. "We don't get surprised that often."

Through radio contact with the vehicle bringing the patient in, the emergency trauma team can determine possible care the patient will need and be ready to administer it. They can also alert other departments, such as radiology, surgery and the blood bank to stand by for a patient.

After a major facilities renovation scheduled for this spring, the emergency department will more efficiently serve trauma patients, as well as minor injuries and acute illnesses on a 24-hour basis.

The department's quarters will double in size after the medical records department moves into its new building, being built east of Mid-Missouri Mental Health Center and adjacent to the hospital. The space will then be used for emergency department expansion and an X-ray satellite facility. "This satellite will allow our department immediate access to X-ray," says Metzler.

Renovation plans call for a larger emergency entrance, seven examining rooms, a family counseling room, restrooms and a conference room.



## Elections

**Chris J. Johannsen**, UMC professor of agronomy and state extension specialist, has been elected a fellow in both the American Society of Agronomy and the Soil Science Society of America.

The double honor puts him in a select group. Less than 1/10 of one percent of the 12,000 member ASA may be elected fellows in any one year, and an even smaller percentage are elected fellows of both societies.

Johannsen was cited for his extension and research contributions in remote sensing, soil survey and geographic information systems.

**Henry E. Tharp**, supervisor of performance services for the UMC theater and the Summer Repertory Theater, has been elected to a two-year term as secretary of the United States Institute for Theatre Technology. The institute, the professional association for theatrical architects, engineers, consultants, designers and technicians, is the U.S. center of the international organization.

**Charles J. Fazzaro**, UMSL associate professor of education, was recently elected president of the Southwestern Philosophy of Education Society. He was also elected president of the Missouri Professors of Educational Administration at the organization's fall meeting.

**E. Terrence Jones**, UMSL professor of political science and public policy administration, was recently elected president of the Missouri Political Science Association.

**George Witteried**, UMSL associate professor of management and industrial relations, was elected secretary and a member of the executive committee of the gateway chapter of the Industrial Relations Research Association for 1982.

## Awards & Honors

**Sue Fisher**, UMSL physical education instructor, spoke on "Women: Physical Fitness Profile" at a workshop for the Women's Professional Organization in Des Moines, Iowa.

**Stanley E. Banks**, A UMKC graduate student, received the \$400 Langston Hughes Prize for 1981 from BkMk Press. The prize coincides with the publication of Banks' first book, *On 10th Alley Way*, a collection of poems about growing up in the ghetto.

**Armando R. Favazza**, UMC professor of psychiatry, recently served as a visiting professor at The Menninger Foundation and Hospital in Topeka, Kan.

Favazza gave a talk on "Foundations of Cultural Psychiatry," conducted a seminar for the teaching faculty on training in cultural psychiatry for psychiatric residents, held a discussion with residents and was a guest consultant.

**James L. Roark**, UMSL associate professor of history, chaired the session "Development and Underdevelopment in the Post-Civil War South: Regional Diversity Within the South Carolina Economy, 1865-1900" at the recent annual meeting of the Southern Historical Association.

KBIA, UMC's FM radio station, was featured on the front cover and in a feature article by **Roger Karwoski**, KBIA's operations manager, in *Broadcast Engineering* magazine. The article has been chosen to be included in the magazine's first Chinese language edition. This is the first western broadcast technology publication intended for radio and television personnel in the People's Republic of China.

**Betsy Garrett**, UMC chief resident in family and community medicine, recently was selected one of 20 national recipients of the Mead Johnson Award for Graduate Education in Family Practice.

The award and a \$1,500 stipend were presented at the meeting of the Scientific Assembly of the American Academy of Family Physicians.

**Hans O. Mauksch**, UMC professor of family and community medicine, recently received the 1981 award for distinguished contributions to teaching from the American Sociological Association. The award recognized Mauksch's initiative in establishing the association's governing board. He now serves as president of the Midwest Sociological Society.

**A. Nancy Avakian**, UMSL assistant vice chancellor, has been invited by the Commission on Higher Education of the Middle States Association of Colleges and Schools to evaluate Thomas A. Edison College in Trenton, N.J.

**John Foley**, UMC associate professor of English, recently presented a paper on "Oral Epic Poetry and the Text-Processor HEURO I" at a conference on computers and humanities held at the University of Liege in Belgium.

**Donald Blenden**, UMC professor of veterinary microbiology, has been certified as a fellow of the American College of Epidemiology (ACE). ACE is a specialty board for epidemiologists. Membership is gained only by meeting rigorous criteria.

Blenden, who also holds a professor's appointment in family and community medicine at the UMC medical school, is considered the state's foremost expert on rabies.

**Lois Pierce**, UMSL assistant professor of social work, and **Norman Flax**, associate professor of social work and department chairman, both presented papers at the 33rd annual meeting of the American Association of Psychiatric Services for Children in San Francisco.

Five faculty from the nephrology division of the UMC internal medicine department presented papers at the recent meeting of the American Society of Nephrology Clinical Dialysis and Transport Forum in Washington, D.C.

Participating were: **Karl D. Nolph**, professor of medicine and division director, **John Bauer**, associate professor of medicine, **Frederick Whittier**, associate professor of medicine, **John Van Stone**, associate professor of medicine, and **Zyblut Twardowski**, visiting professor from Poland.

**David L. Garin**, UMSL associate professor of chemistry, recently attended the annual meeting of the American Association for the Advancement of Science in Washing-

ton, D.C. While there, he participated in a reunion of former Congressional Science Fellows and participated in a press conference and reception for the Science and Technology Political Action Committee which he helped found. He was also interviewed for a documentary on the effects of budget cuts on basic scientific research.

**Barbara Prowant**, UMC research associate and senior nurse in the Continuous Ambulatory Peritoneal Dialysis Program, lectured recently in Spain, Italy and Scotland on nephrology research findings.

**Carl H. Ide**, UMC professor of ophthalmology in the School of Medicine, presented a paper at the annual meeting of the American Academy of Ophthalmology.

**Carl Settergren**, professor in the UMC School of Forestry, Fisheries and Wildlife, attended a special session on Sediment Yields from Mountainous Watersheds at the American Geophysical Union annual meeting. He presented a paper coauthored with **Gray Henderson**, associate professor. Henderson also presented papers at the annual meeting of the Soil Science Society of America.

**Raymond Applegate**, UMSL assistant professor of optometry, presented a paper at the Louis L. Sloan Symposium for Vision Psychophysics and Disorders of Visual System at Johns Hopkins University Medical School.

**Henry Weinstock**, UMSL professor of education, presented a paper on teaching values in elementary and secondary schools to the Southwestern Philosophy of Education Society meeting.

**Robert Callis**, UMC professor in the College of Education, has been recognized by the Missouri College Personnel Association for outstanding contributions to college personnel work.

Callis was a founding member of MCPA approximately 10 years ago.

**Jerry Valentine**, UMC associate professor of education, recently reported the results of his study of middle-level principals to the National Association of Secondary School Principals and the National Middle School Association. Valentine is directing the Rockefeller-Dodge Foundation funded study for the NASSP.

Valentine also spoke on the "Intellectual Development of the Emerging Adolescent" to the annual conferences of the Independent Schools of the Central States, the Mississippi State Superintendents, the Texas Elementary Principals Association and the Nebraska Association for Supervision and Curriculum Development.

**Walid O. Shekim** and **Syed Arshad Husain**, UMC associate professors of psychiatry, participated in the annual meeting of the American Academy of Child Psychiatry recently.

Shekim presented a paper, and Husain served as co-chairman of a workshop on consultation and liaison services in child psychiatry. Husain was appointed to the academy's committee on training.

Husain also presented a paper at the World Psychiatric Congress.

**William B. Walstad**, UMSL assistant professor of economics and director of the

Center for Economic Education and **Sara-page McCorkle**, economics instructor and assistant director of the center, received the college level honorable mention award in the 19th annual International Paper Company Foundation Award Program for the teaching of economics. Walstad also presented a paper, "Measuring Economic Attitudes in High School," at the National Council for the Social Studies annual meeting.

**Robert Popper**, UMKC professor of law, recently wrote an article for the *Journal of the Missouri Bar* criticizing the practice recently approved by the Missouri Supreme Court of punishing lawyers who refuse to lend their services without compensation to represent indigent persons accused of crimes. Popper addressed lawyers and judges at the annual meeting of the Missouri Bar on the same subject.

Several UMSL faculty members participated in the national meeting of the American Institute of Decision Sciences in November. Participating were: **Vicki L. Sauter**, assistant professor of management sciences, who was a session discussant; **Joseph S. Martinich**, assistant professor of business administration, who chaired a session; **L. Douglas Smith**, associate professor of management sciences, who served as a program chairman; and **David Ronen**, assistant professor of management sciences, who presented a paper.

**Rita Bergoudian**, UMSL instructor in modern foreign languages, presented a paper at the South Atlantic Modern Languages Association meeting.

**Robert A. Powell**, UMSL coordinator of student job development, was a presenter at the 19th annual conference of the Midwest Association of Student Financial Aid Administrators.

## Appointments

**Eileen B. Reeder**, UM Extension business specialist in St. Louis, has been serving on the Public Participation Work Team for the Upper Mississippi River Basin Commission. The commission's work, as authorized by Congress, is to develop a Master Plan for optimal use of the Mississippi River and its resources. Reeder was selected to represent economic interests.

**Chris J. Johannsen**, UMC professor of agronomy, participated in a comprehensive review of the agronomy program at Oklahoma State University at the request of USDA Cooperative Research Service.

**Chuck Smith**, UMSL athletic director, has been named to the publicity committee of the President's Council on Physical Fitness and Sports.

**Deborah Tepper Haimo**, UMSL professor of mathematical sciences, has been invited as a consultant to Illinois Wesleyan University to evaluate its mathematics department. The visit is under the auspices of the Mathematical Association of America.

**John R. Roberts**, UMC professor of English, will serve as a visiting scholar at St. Edmund's in Cambridge, England, during the spring term. Roberts will be conducting research for an annotated bibliographical

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## Governor recommends \$170.4 million for UM

Gov. Christopher Bond is recommending \$170.4 million for the UM system in 1982-83 state appropriations, approximately the same amount that has been appropriated by the legislature for the past two years. Ten percent of this year's state appropriations, however, was withheld by the governor because of a decrease in state revenue.

In response to the governor's latest recommendation, UM President James C. Olson said it represents a supportive attitude toward the University. "My hope is that the state revenue situation will enable the General Assembly to support such a recommendation," he said.

Olson said he also hopes Missourians will become better acquainted with the state's fiscal difficulty and support ways of generating additional revenue for the state.

"The University has achieved a great deal in enlisting private support and in the management of current resources. But we cannot sustain the quality institution we all want without improved state financing for existing programs, the physical plant and employees," the UM President said.

The House and Senate appropriations committees must still make recommendations for higher education appropriations. The General Assembly will decide on the committees' recommendations before its session ends April 30. UM originally submitted a request for \$199.5 million in state funds and the Coordinating Board for Higher Education recommended \$189.8 million.

## UM flight operations to share state planes

Last month, the University flight operations service began a cooperative program with the state's flight operations division in Jefferson City.

Under the cooperative program, UM employees may use the state planes when the University's two planes are in use or when the number of passengers or trip distance warrants a specific type or size of aircraft which is available from the state, according to Deborah Rossino, UM director of administration and operations.

To schedule flights or get more information of the aircraft, contact Melanie Collum at 225 University Hall, Columbia, or call (314) 882-3734.

## Dental insurance plan effective this month

More than 10,000 UM employees and retirees have signed up for the dental insurance plan which went into effect this month, Michael Reese, UM director of employee benefits, announced.

Brochures explaining details of the dental plan have been distributed to all employees who signed up prior to Jan. 1. Employees who signed up for dental insurance and have not received the brochure should contact their campus staff benefits office.

The campus staff benefits offices have

dental claim forms available. Insured employees should take a claim form to their dentists when they go for care, Reese said.

## UM employees eligible for hospital discounts

All employees in the UM system, employee dependents and retired University employees are eligible to receive a 10 percent discount on total hospital charges for services performed at the UMC Hospital and Clinics. The discount went into effect last November.

University physicians also offer employees a 10 percent discount for their services at the hospital and clinics.

The discounts are applied to a patient's account after all insurance payments are received.

UM employees also can obtain prescription drugs at cost through the University hospital and clinics pharmacy if the prescription is written by a University physician on the hospital and clinics prescription form.

## St. Louis mayors begin annual scholarship fund

Former St. Louis mayors James F. Conway, John Poelker, A. J. Cervantes, Aloys P. Kaufmann and family members of the late Mayor Tucker and the late Mayor Dickmann have joined Mayor Vincent C. Schoemehl Jr. in establishing the Mayor's Scholarship Fund. The fund will provide an annual scholarship to students who demonstrate a commitment to public service and a named professorship or lectureship at UMSL.

Noting that Schoemehl is the first graduate of UMSL to occupy the mayor's office, UMSL Chancellor Arnold B. Grobman said it was especially appropriate that the fund should be established at this time.

## Flax chairs gerontology institute policy council

Norman Flax, chairman of UMSL's Department of Social Work, has been elected chairman of the Missouri Gerontology Institute policy council. Myra Norman, coordinator of Lincoln University institutional development, is vice chairman.

The institute coordinates inter-related research and educational programs in aging among the four UM campuses and LU. Warren A. Peterson of UMKC serves as director.

The institute's policy council is represented by two faculty and an academic dean from the five campuses and two representa-

tives from UM's central administration, including extension field staff.

## Central computing refunds facility users

UM computing and information systems has refunded \$500,000 to users of central network facilities this month because of increased use and therefore increased income projected for the remainder of 1981-82.

"In a sense we have declared a dividend for users of the facility," explained Director Bruce Briggs.

The demand for services has been greater the first part of the year than had been projected. He said the income surplus has allowed the following refunds: UMC, \$208,500; University Hospital, \$88,000; UMKC, \$31,500; UMR, \$71,500; UMSL, \$44,000; and UMca units, \$56,000.

Briggs said the use of those funds is determined by the individual campuses.

## Danuser to manage training, development

K. Blake Danuser, UMC coordinator of employee relations, has been named UM manager of human resource development.

Danuser joined the University in 1973 as UMC assistant director of admissions. In 1978 he completed his Ph.D. in higher and adult education and became coordinator of employee relations.

In his new position, Danuser will manage central administration responsibilities relative to the development and implementation of employee training and development programs.

Forest C. Benedict, UM director of human resource systems and development, said Danuser will also serve as a resource person to the campuses as they plan training and development activities to meet unique campus needs.

## Laurels

*continued from inside*

study of 17th century poet Richard Crenshaw, a study supported in part by a \$25,000 National Endowment for the Humanities grant.

**Lawrence Christensen**, UMR associate professor of history, has been selected as UMR's honor lecturer for the Mid-America State Universities Association for 1982-83. As an honor lecturer, Christensen will present lectures and seminars at other campuses in the association.

**Lawrence H. Ganong**, assistant professor in the UMC nursing school, recently was appointed associate editor of "Family Relations," a journal of applied family and child studies, with an interdisciplinary focus.

**W.R. Miller**, associate dean of the UMC College of Education, has been appointed to a three-year term on the advisory council for the National Center for Research in Vocational Education. He will serve as chairman for this cabinet-level advisory council, which reports to the U.S. Secretary of Education.

Miller was also recently appointed to the National Advisory Council for Industrial Arts. The council, composed of educators and businessmen, helps public school industrial arts programs develop technological literacy among youth.

## Jobs

The following administrative/professional and academic vacancies were listed with *Spectrum* as of Jan. 22. Those interested in a position should contact the appropriate department or personnel office.

**UMC:** asst. professors, journalism, medicine-child health, accountancy, sociology, art history and archaeology, veterinary medicine, neurology (2), anatomy, educational and counseling psychology; assoc. professors, medicine-child health, anatomy; asst./assoc. professors, advertising, medicine-child health, computer science; asst./assoc./full professors, electrical engineering (3), mechanical and aerospace engineering (2); assoc./full professor, health services management; research associate, rural sociology; professor and chairman, medicine; director, academic assistance programs; laboratory storekeeper; library clerk II (2); research/laboratory technician; asst. director, residential life programs; computer programmer/analyst I; computer programmer/analyst II; sr. research laboratory technician (5); staff

nurse; microbiologist; registered medical technologist; research specialist; sr. methods and procedures analyst; supervisor, soil test lab; **UMca:** director, affirmative action/staff relations; sr. fiscal analyst; sr. research engineering technician;

**UMC Hospital:** accountant; asst. hospital plant engineer; managers, hospital security, materials management, patient accounts; pharmacist; radiation physicist; speech pathologist; supervisor, hospital business office; nurse anesthetist (5); patient care manager (7);

**UMKC:** research assts., biology, English, community studies institute; research assoc., medicine; instructors, communication studies, business operations and analysis; research analyst, medicine; asst. instructor, law-trial practice; instructor/asst. professor, medicine; asst. professors, physics, marketing-quantitative analysis, education; visiting/asst. professors, dental hygiene, music (2), removable prosthodontics; asst./assoc./full professors, accounting, fixed prosthodontics; clinical faculty, dentistry; coordinator-

asst./assoc./full professor, biomedical sciences; clinical instructor/asst., dental hygiene; asst. dean for clinical affairs-asst./assoc./full professor, dentistry; professorial lecturer, law; fiscal analyst; coordinator, student financial aid; learning skills specialist; asst. dean, continuing education;

**UMR:** asst./assoc. professors, psychology, mathematics; postdoctoral fellow, materials research; postdoctoral fellow/research asst. professor, physics; lecturer, English; postdoctoral research assoc., ceramic engineering; visiting asst. professor, materials research; director, renewable resources research center; fiscal analyst; scientific programmer analyst II (2);

**UMSL:** asst. professor, anthropology, art, mathematics (2), psychology, accounting, finance, marketing; asst./assoc. professors, optometry (3); asst./assoc./full professors, optometry, management behavior (2), accounting; assoc./full professor, finance; instructor/asst./assoc./full professor, quantitative management; community health nursing; medical-surgical nursing.

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