

Board approves projects

The UM system Board of Curators approved preliminary plans Nov. 10 for renovation work on the engineering complex on the Columbia campus.

The \$1.9-million project, financed entirely by state appropriations, includes flooring over existing two-story-high open-bay areas which are no longer needed in current engineering programs.

Flooring the areas will provide an additional 6,544 square feet of teaching and research space. In addition, numerous existing classrooms and laboratories in the engineering complex will be renovated. The project also will include heating, lighting, ventilation, sound control devices and air-conditioning work.

The board also approved final plans for a hazardous chemical storage building to be built on the Rolla campus. The one-story building will be financed by \$304,000 in state appropriations.

Containing 3,700 square feet, the structure will be built north of UMR's General Services Building and recessed into a hillside for energy conservation purposes. It will provide storage space for hazardous chemicals used in various UMR academic programs. The exterior of the building will be brick to match nearby buildings.

In other action the board:

- approved plans for adding a general storage room 27 by 80 feet onto the UM system Research Reactor

facility in Columbia. The project will free space inside the present building for offices and other uses. The \$160,000 project will be financed with funds obtained from reactor services.

- Accepted a low bid of \$328,000 submitted by Electronic Contracting Co., Overland Park, Kan., for installing audio-video equipment in the new law school building on the Kansas City campus. The work will be financed with a combination of state appropriations and Law School Foundation funds. The building is expected to open next semester.

- Approved the employment of Architects Partnership of Columbia to prepare plans for renovating UMC's Waters Hall auditorium. Work will include a new stage, recessed ceiling lights, new seats, a new public address system, a projection booth and a ventilating system. The auditorium, used for general classroom purposes, seats about 500. Plans are for the work to be done next summer.

- Approved the employment of Becker & Flowers, Architects of St. Louis to prepare plans for the renovation of the auditorium in Ellis Library in Columbia. The auditorium seats about 250 and is used as a general classroom. Work will include a new and larger stage, new lighting, new seats, a projection booth and an outside entrance from the northwest to comply with fire codes. The work will be done next summer.

UMSL professor to receive curators' publication award

Robert M. Nauss, UMSL assistant professor of management science, has been selected to receive the 1978 Curators' Publication Award. Announcement of the award was made Nov. 10 at the UM system Board of Curators' meeting.

Dr. Nauss will receive the \$1,000 award in recognition of his manuscript, *Parametric Integer Programming*, which will be published by the University of Missouri Press in January.

A recipient of a doctorate in operations research from the University of California at Los Angeles, Dr. Nauss has developed a study of parametric integer linear programs (PILP) of particular significance to management

science. Dr. Nauss' work represents the first extensive study of the subject. The manuscript includes an approach, a framework and directions for possible future research on PILP.

Established in 1969, the publication award program annually honors the best book-length manuscript by an assistant professor within the UM system. The winning manuscript must be acceptable for publication by the University Press. The award is funded by the Board of Curators and selections are made by the University Press Editorial Board.

Eloise Behnken, a UMKC assistant professor of English, received the award last year for a work on religious thinker Thomas Carlyle.

Program changes authorized

The UM system Board of Curators approved changes in degree program offerings on the Kansas City and Columbia campuses at a meeting Nov. 10.

UMKC's College of Arts and Sciences requested that it be allowed to formally offer a B.A. or B.S. degree in interdisciplinary studies as an option for students who seek an interdepartmental major. UMKC already allows flexibility in program planning for superior students majoring in the arts and sciences but there is no formal

interdisciplinary degree. Similar programs already exist at UMC and UMSL.

UMC requested that five existing degree programs—in medical technology, occupational therapy, physical therapy, radiologic technology and respiratory therapy—be replaced by a bachelor of health sciences degree and administered by the new School of Health Related Professions. The school was established last May to consolidate the allied health programs.

UMKC professor wins award of \$250,000

Susan Pingleton, UMKC docent and assistant professor of medicine, has been selected to receive the Pulmonary Academic Award from the National Heart, Lung and Blood Institute. Effective June 1, the award will be funded for five years in the amount of approximately \$250,000.

The newly established award from the National Institutes of Health involves national competition. Dual purpose of the award is to improve the quality of pulmonary curricula and foster research and careers in the respiratory field.

Dr. Pingleton joined the UMKC School of Medicine faculty in 1977. She received her M.D. degree from the University of Kansas School of Medicine in 1972. She remained at KU for residency training and on a pulmonary fellowship.

In 1967 Dr. Pingleton received a National Science Foundation Research Grant. She was named Kansas Outstanding Woman of the Year in 1969. She is a member of the American College of Physicians, the American College of Chest Physicians and the American Thoracic Society.

UMC hospital study released

UMC Chancellor Barbara S. Uehling recently released a hospital study report completed by an outside consulting firm, Kasonic and Associates of New Mexico.

Dr. Uehling used the report as a basis for including medical affairs in the campus' administrative reorganization. Under the new arrangement, the hospital director will report directly to the chancellor. The schools of medicine and nursing will report to the newly created position of provost, as will all other academic divisions of the campus. In the current organization, the hospital and the two schools report to a provost for health affairs, a position eliminated by the reorganization.

Dr. Uehling outlined a plan for handling medical matters until the reorganization takes effect. For academically related health matters, Owen Koeppel, provost for academic

affairs, will meet bi-weekly with Dean Charles Lobeck of the School of Medicine, Dean Gladys Courtney of the School of Nursing and Herbert Goldberg, director of the School of Health Related Professions. Hospital operations will be coordinated through weekly meetings.

Dr. Uehling explains that Kasonic and Associates will be retained to provide additional assistance for some short and long-term operational tasks.

The short-term tasks, scheduled for accomplishment in three to six months, include stabilization and enhancement of the hospital's recently implemented billing and accounts receivable system, development of management reports appropriate for the system, and reorganization of hospital business office procedures.

Long-range tasks, estimated to require six to 12 months, will address rate-setting procedures.

Computer purchase approved

On Nov. 10 the UM system Board of Curators approved the purchase of a new computer for UM's central computing facility.

James R. Buchholz, vice president for administrative affairs, said the new computer, which will replace an older model now in use, will more than double the computer capacity. In addition, he said the new machine requires only about one-fourth as much space.

AMDAHL Corp. of Oak Brook, Ill., submitted the low bid of \$3,279,875, along with an annual

maintenance fee of \$138,000, to provide the new computer. Two other bids were received.

The board also approved a proposal for UM to borrow \$2,780,000 from the First National Bank in St. Louis to buy the computer. The loan period will not exceed five years and the interest rate will be 6 percent.

Mr. Buchholz said proposed monthly payments will be lower than those now being made. He said rapid advances in computer technology are resulting in lower hardware costs.

Pharmacy emphasis changes

Clinical pharmacy is the term for a new kind of pharmacy which is replacing traditional pharmacy. And the UMKC School of Pharmacy is one of the leaders with its clinical pharmacy community role model.

"Clinical pharmacy is a relatively new emphasis in pharmacy that encourages the pharmacist to accept a great deal of responsibility for patient care," said R. Lee Evans, UMKC assistant professor of clinical pharmacy and one of the organizers of the community role model. "Traditionally, the pharmacist has been primarily concerned with the distribution of medication and health-related items that physicians have prescribed.

"In the clinical role, however, the pharmacist's responsibility expands considerably to ensure that the drug therapy is safe and effective for the patient. He serves as a source of drug information for the health-care community and is frequently called on by the physician to make recommendations about a patient's drug therapy."

The fact that the pharmacist is one of the most accessible health professionals and deals daily with the overwhelming amount of information about drug use supports the development of clinical pharmacy.

With a three-year special project grant from the Department of Health, Education and Welfare, Dr. Evans and other UMKC pharmacy educators developed the concept, one of the first of its kind in the country. Now it's a permanent feature of UMKC's curriculum.

Students are assigned to carefully selected community pharmacies to learn the facets of clinical pharmacy. The students' role models are the pharmacists, and their challenges are the patients (no longer called customers in this emerging dimension of pharmacy).

"Students take on the responsibility of a pharmacist when they are in

Insurance cards due immediately

Mike Reese, manager of UM system staff benefits, urges employees who have not yet returned signed cards accepting or rejecting UM's new life insurance program to do so as soon as possible.

Mr. Reese said coverage will be terminated on Dec. 1 for those who have not returned a signed life insurance program card.

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PHARMACY OF THE FUTURE. . . (left to right) Sheila McCormack, a UMKC pharmacy student; Douglas C. Albers, pharmacy owner and UMKC instructor in clinical pharmacy, and R. Lee Evans, UMKC assistant professor of clinical pharmacy.

the community pharmacy," said Dr. Evans. "They are asked to counsel patients, complete medication histories on patients, provide pertinent information about a patient's therapy, review drug literature and screen patients for drug therapy problems. In essence, they become clinical pharmacists in the neighborhood setting.

"When these students are not dispensing medication, they devote their full effort to working directly with patients and with the patients' physicians. At all times, each student is directed and supervised by his or her role model—the pharmacist—and by UMKC School of Pharmacy faculty members who coordinate the program and who frequently visit participating pharmacies."

The UMKC educators and the pharmacists themselves encourage the students to carry out their consultations with patients in as much privacy as possible, said Dr. Evans. A great deal of the information patients need requires an atmosphere of confidentiality. This is one of the main reasons Dr. Evans and his fellow educators are encouraging pharmacists throughout the community to set aside a portion of their office for private consultations with their patients.

The major goals of the community role model are:

- to bridge the gap between community practices and institutional pharmacy practice by helping a student recognize the mission of clinical pharmacy as an important new service for the community;

- To encourage a student to work in a clinically oriented neighborhood pharmacy with the hope that he or she will emulate the practice later;

- To study the concept's cost and to determine how well clinical pharmacy in the community setting is accepted by the public, pharmacists and other health professionals;

- To inform other schools of pharmacy about this new dimension of pharmacy and how their educators can develop a role model for their students.

"Community pharmacists who participate in this program were selected because of their interest in expanding their patient care roles in their practices and their willingness to serve as instructors for UMKC pharmacy students," said Dr. Evans. "We took into account their willingness to take additional educational training and to change their present record keeping system to accommodate more patient information."

Startup funds approved for optometry school

Startup funds for new health-related programs, including a regional school of optometry in the Midwest, have been authorized by the U.S. Senate Appropriations Committee.

Earlier this year, the Coordinating Board for Higher Education requested federal startup funds of \$700,000 for the establishment of a regional optometry school at UMSL, in line with state legislation approved last session of the General Assembly. The state legislation stipulated that costs must be shared by federal, other participating states and the State of Missouri.

President James C. Olson told the Board of Curators on Nov. 10 that the Coordinating Board staff and the University will be submitting a grant for the federal startup funds approved by the Senate committee prior to the Thanksgiving holidays.

He also announced that Gordon G. Heath, dean of the optometry school of Indiana University, has been employed as a consultant to the St. Louis campus, to assist with the University planning. Once the school is approved and funded, a permanent dean will be sought following affirmative action guidelines.

Jobs

The following administrative, professional and academic vacancies were listed with *Spectrum* as of Nov. 9. Those interested in a position should contact the appropriate academic department or personnel office.

UMSL: Assistant professors, art (3), biology (2), English, Mathematics (2), music, philosophy, physics, political science, psychology, accounting, finance;

Visiting professor, English; visiting assistant professor, physics (2), management; director, counseling center.

UMKC: Admissions counselor; **UMR:** Department chairman, chemical engineering; specialist in electronics of scientific instruments, chemistry; manager, bookstore;

UMC: Assistant director, student financial aids; coordinator, student information & reporting; engineer-Physical Plant (2); information specialist; reactor operations engineer; reg. medical technologist (3) research specialist (2); sr. auditor; sr. computer programmer analyst; sr. research scientist (2); sr. systems analyst; systems programmer; systems analyst (2);

UMC Medical Center: Academic advisor; assistant director, nursing (3); assistant executive housekeeper; computer programmer analyst II (2); computer project manager; head nurse; health care evaluation analyst; manager, medical records; manager, unit management; medical records administrator; reg. medical technologist; staff nurse (38);

Association wins nurses' election

The UM system's registered nurses voted 141 to 52 on Nov. 8 to accept representation by the Missouri Nurses Association.

The election was supervised by Conrad Berry, chairman of the State Board of Mediation. The board ordered the election in response to a petition filed by the association which was seeking to represent the nurses.

A total of 274 UM registered nurses were eligible to cast ballots. Most of the nurses are employed at the UMC Medical Center. Others are employed at student health services in Columbia and Rolla, the dental clinic in Kansas City and the Missouri Institute of Psychiatry in St. Louis.

For the record . . .

In the story on accreditation of UMC-UMKC coordinated undergraduate engineering programs which appeared in the Nov. 3 issue of *Spectrum*, the word "accredited" was erroneously inserted in the last line to read, "The Columbia campus also offers accredited graduate engineering programs at UMKC."

Neither UMC nor UMKC graduate engineering programs are accredited by the Engineers Council for Professional Development. None of the schools of engineering in Missouri have sought accreditation of their graduate programs as a matter of policy.

In the same issue of *Spectrum* it was incorrectly noted that Allan W. Purdy, UM director of student financial aids, will complete 20 years of service to UM upon his retirement next August. Mr. Purdy will complete 33 years of service.