

Student use of shuttle increases

Heavy demand for UMC's experimental student transport system, launched last month, has led to an expansion of the system's operating hours.

The free shuttle between the Hearnes Multipurpose Building and the Memorial Union is in operation from 6:45 a.m. to 4:40 p.m. Monday through Friday.

The transport system, which is funded by student, faculty and staff parking lot fees, was initiated Aug. 23 to alleviate parking problems in the residential areas near campus. Students using the shuttle may park free in the designated parking area south of Hearnes.

During the first week of operation, more than 6,800 students used the shuttle.



Students gather at UMC's Memorial Union to ride free shuttle bus between the campus and Hearnes' parking lot.

Centers sponsor research grants

October 10 is the deadline for anyone wishing to apply for grants from the Joint Centers for Aging Studies, according to Rosemary Orgren, project assistant.

Supported by the Administration on Aging, the grants are designed to encourage university-based research,

teaching and service on problems of older people and the aging process.

Fulltime faculty members from any of the UM campuses or Lincoln University are eligible to apply, with the exception of those who received awards under the 1977-78 program.

Research awards ranging up to

\$3,000 can be used for student research assistants and for direct research costs, but not for faculty salaries or for equipment. Awards will be announced in November. Research projects supported by the program should be completed by August 1979.

Support is limited to research programs—not service, demonstration or training programs, Ms. Orgren said. Pilot studies which promise to lead to long-term research projects are encouraged.

Application forms and additional information are available from Ms. Orgren at 633 Clark Hall, Columbia or by contacting one of the centers on aging located on each of the campuses.

Foundation honors professor

Robert Daniel, a member of the UMC psychology faculty for 33 years, has received the American Psychological Foundation's award for unique contribution in the teaching of psychology.

Society's report lists UMSL

UMSL ranks 22nd in the number of certified chemistry graduates, according to a report published in *Chemical and Engineering News*.

The report, resulting from a survey of the American Chemical Society's committee on professional training, includes 534 universities and covers a 12-month period ending as of June 1978.

Robert W. Murray, chairman of the UMSL chemistry department, said the department offers both B.A. and B.S. degrees in chemistry. Both programs are similar but students earning B.S. degrees complete more chemistry courses and are certified by ACS.

UMSL, with 26 certified graduates, tied with the University of Cincinnati, Georgetown University, and the University of Vermont. The University of California-San Diego, was first in the U.S. with 172 certified graduates.

The award was presented at the August meeting of the American Psychological Association in Toronto. Dr. Daniel was chosen in national competition. He is the first to receive the award.

Dr. Daniel was cited for his transformation of a division newsletter into the *Teaching of Psychology*, a widely read and respected academic journal.

The naming of Dr. Daniel placed the UMC psychology department in a unique position as the only department ever to have two of its members named national award winners by the American Psychological Foundation. Last year UMC professor emeritus Fred McKinney received the foundation's distinguished teaching in psychology award.

Dr. Daniel is the author or co-author of three books and has published more than 60 scientific and professional articles or book chapters.

Active in campus affairs, Daniel served as chairman of the UMC Faculty Council from 1973-75.

He received the UMC Faculty/Alumni Award in 1971 and the APA's distinguished service award of division two in 1975. He is chairman of the association's publications and communications board and has served on the board since 1974.

Registration by telephone catches on

Participation in the UMKC College of Arts and Sciences' "phone-in-registration" for part-time, non-degree students was up 50 percent this fall, according to Eloise Behnken, assistant dean of arts and sciences for continuing education.

The simplified procedure, which began last fall, requires only a brief telephone interview and completion of a short registration form on the part of the student.

"The intention of the program is to make the entire undergraduate curriculum of the college available to all qualified people in the community through easy registration," Dr. Behnken emphasizes.

She notes that about 50 individuals used this method of registering for courses in the college last fall. This year, "phone-in-registration" was used by more than 75 participants.

Through the innovative procedure, students may register for as many as four courses, although usually only one course is taken per semester. Enrollment is on a space-available basis. The continuing education staff, however, was able to meet more than 99 percent of the requests.

Dr. Behnken explains that for students who later decide to seek a degree, the application of credits depends upon the regular admission process and the appropriateness of the credits to the desired degree program.

A study of last year's "phone-in-registration" participants revealed the following profile: an average age of 35, with a range in ages from 21 to 70; more than half of the participants had bachelor degrees and 50 percent received a grade of B or better in courses they took.

Gifts to UMR top \$1 million

For the second consecutive year, gifts to UMR have exceeded \$1 million dollars, according to Howard W. Eloe, director of development.

Subtotals by categories include: alumni, \$110,000; business and industry, \$654,586; community, \$22,180; estates, \$100,874; faculty and staff, \$36,456; friends, \$42,952; foundations, \$85,021; organizations (includes MSM/UMR Alumni

Association), \$57,058; and parents, \$4,200.

The number one priority for campus fund-raising continues to be financial aid for students. Gifts totaling \$429,000 were received for scholarships, loans, awards and fellowships. Included in this amount are the minority engineering and women in engineering programs.

UW HAVENER RALPH S JR
701 LEWIS HALL

The New Year for Trees
for Shloma and Hava Vinner

All year
They have kept a careful record
Of everything
The waters of the moon
The slow descent
Of every sun
All year
They have charted the course of every comet
Eyes drawn to the center
To the star that supports
The planet
The beam that holds up every arch
The line that continues into the future
Unbroken
Unchanged.
But tonight
As the light descends into sleep
The trees
All life their branches to the sky
Cradling the moon
That shines through the night
Like the blossoms of the almond
That have already appeared
To announce
That all fruit that follows
Belongs to the new year
To come.

Howard Schwartz
Instructor, English
UMSL

(From *Vessels*, Unicorn Press.)

UMKC chancellor outlines new administrative structure

UMKC Chancellor George A. Russell, who took office last October, has announced a new administrative structure which he plans to implement this year. The structure would include the creation of four vice chancellor positions which are currently being advertised nationally.

The four positions are vice chancellor of academic affairs, vice chancellor for research and institutional development, vice chancellor for administrative affairs and vice chancellor for student affairs.

Courses added to UMA's list

Two new courses, titled "Criminology" and "The Long Search", have been added to UM's college-at-home program, the University of Mid-America.

The criminology course was developed by John F. Galliher, UMC professor of sociology. "The Long Search" is an examination of contemporary religious practices.

UMA makes college courses available to individuals who cannot or would rather not attend regular classes on a university campus. Course lessons are available for students to view at learning centers throughout the state. In some areas, the lessons are broadcast weekly on television.

In addition to the two new courses, UMA offers nine courses, the largest number ever made available through the program. Lynn Martin, state coordinator for UMA in Missouri, expects an increase in enrollment this year because of the number of courses.

Under the new structure, the positions of provost, provost for health sciences, director of the office of public information, director of development, dean of students, and the business officer will be phased out.

Dr. Russell said the vice chancellor of academic affairs will be responsible for the academic operations of all schools, colleges and teaching units as well as the selection, promotion and development of the faculty.

The vice chancellor for research and institutional development will be responsible for maintaining effective relations between UMKC and its various publics, and the acquisition and administration of governmental and philanthropic funds.

The vice chancellor for administrative affairs will be responsible for the planning, development and supervision of activities such as business services, plant operations, safety and security.

The vice chancellor for student affairs will be responsible for administration of student admissions and registrations, student activities, financial aid, student employment, student health, athletics and minority affairs.

All positions are currently advertised in *The Chronicle of Higher Education* and other appropriate professional journals.

President comments on necessity of research

Editor's note: Following are excerpts from a speech President James C. Olson made at the UMC graduate school commencement on the concern for research universities and graduate education:

• "For many years there existed an extraordinarily productive partnership between the major research universities and the federal government. . . In the last 10 years, however, the partnership has deteriorated markedly, with ominous consequences for the universities. . ."

• ". . . The intrinsic importance of the research carried out at major universities—in addition to its impact on graduate education—can scarcely be overstated, yet it is subject to increasing criticism. And basic research is a special target, condemned as useless by shortsighted pragmatists who unfortunately exert considerable influence on federal policy. . . Basic research is always practical. The question is not whether the findings will be useful, but when."

• "Basic research is essential to the planning and fulfillment of the applied research of the future. Scientists seeking answers to practical problems draw heavily on the existing body of fundamental knowledge. . . Basic knowledge gives us an anticipatory edge. . ."

• "Experience has taught us that we cannot accurately predict what basic knowledge will prove critical in the solution of a given practical problem. If we wait until a question is formulated to begin doing the basic research essential to finding an answer, then we senselessly delay its solution. . ."

• ". . . There is less and less interest in basic research, greater and greater pressure for quick results. Furthermore, there is a growing tendency to regard research results as a "commodity" to be purchased as needed. Such a view is not only disruptive of research in general, but is

especially inimical to basic research. . ."

• ". . . We do have more Ph.D.'s than can find positions in their field in our economy. We do not have more Ph.D.'s than we could use profitably if we allocated our resources in a slightly different way or if our values were slightly different. . ."

• ". . . The Office of Management and Budget now operates under a policy of general opposition to federal grants for support of graduate students. The reasoning behind this policy, according to the final report of the National Board of Graduate Education, derives not merely from poor judgment but from a complete lack of understanding with regard to the nature and importance of graduate education. As the report says, the pivotal element in OMB thinking seems to be that graduate education is 'a form of investment in human capital,' with the benefits of the investment accruing primarily to the persons in whom the investment is made. That is, the individual, not society, is the primary beneficiary.

"This goes to the heart of the problem, policy-makers seem to be too shortsighted to see the true social importance of graduate education, of high-level research and scholarship. Indeed, their misunderstanding of the matter is so outrageous that hyperbole is beyond the stretch of my imagination. . ."

• "Because the financial role of the federal government is of such critical importance to graduate education and research, it is absolutely essential that it maintain constant support at a level high enough to maintain quality and to ensure an adequate supply of talented manpower and that it channel more money into research. And support for research, as I've suggested, must be as general and nondiscriminatory as possible.

"There must be a return to paying for research rather than results. . ."

Exchange program participants



Richard Angus (left), UMC professor of chemical engineering, recently returned from teaching at Korea's Chonnam University this summer. Marshall Finley (right), UMR professor of chemical engineering, is currently teaching at the Korean institution. The exchange program was approved by UM Board of Curators last January.



Tech Ed: printing at full speed ahead

By Anne D. Robinson

For some businesses, the months from June to September are a time to play catch up. For Technical Education Services, the UM system's printing facility located in Columbia, this year it is a matter of trying to stay even.

Tech Ed is experiencing the biggest boom in business in its 46-year history. "We are handling about 25 percent more business this year than we were last year during the same time-frame," explains Harold Perry, director of Tech Ed.

"Many of these projects came toward the end of the fiscal year," Mr. Perry notes. "The problem is a result of old money and new money projects coming at the same time. People brought projects in from the last fiscal year, and then, at the same time they planned new projects with new money."

Mr. Perry became director of the huge printing complex last March when Clovis Jones retired. Prior to his promotion, Mr. Perry was production manager at Tech Ed for six years.

Tech Ed usually averages about 700 jobs in process at any given time. The plant takes in and completes approximately 100 projects a day.

To offset the dual problems of an increased workload and an "unseasonable turnover in employees," Mr. Perry has hired four part-time employees. In addition, Tech Ed's fulltime employees have been putting in overtime hours every month. The plant normally has approximately 100 employees.

"Usually after fall classes begin, there is a general downward trend in

our workload," he says. "So far this year, it hasn't been going down as quickly as in the past."

On the positive side, the percentage of finished projects has been much higher than last year during the same period, Mr. Perry says.

Sufficient leadtime is the key to successfully completing printing projects on time, Mr. Perry says.

"We always appreciate having as much leadtime as possible. However, it has been my experience that in a university-setting that leadtime is generally shorter than in the private sector because of the nature of the work," he observes.

"At Tech Ed, we feel very strongly about the importance of understanding the requirements of each project," he adds. "Printed matter serves a special purpose. We always hope we can work within the constraints of each department's particular job but it's not always possible."

Last year Tech Ed produced more than 27,000 jobs. These included the whole gamut from quick copy of master theses and doctoral dissertations to the printing of catalogs and other publications.

The Columbia campus comprises about 70 percent of Tech Ed's business. The remaining 30 percent is evenly divided between UMR, UMKC and UMSL; outside printing and UMca. Although the Rolla, Kansas City and St. Louis campuses have their own print shops, it is frequently necessary for them to send jobs to Tech Ed because of size, amount or a time factor, Mr. Perry says.

Constraints are a two-way street



Rose Hulén, graphic layout specialist at Tech Ed, works on one of the many publications which come through the composition area of Tech Ed.

and Tech Ed operates under many itself. For instance, the logistics of buying paper alone are enormous.

"It's a sellers' market in the paper business," Mr. Perry emphasizes. "Because of the OSHA regulations, many paper mills have operated at reduced capacities, and thus have been unable to keep up with the demand. For example, a dull enamel stock may take four months in production before it is ready for delivery, with people all over the country vying for the tonnage. That kind of situation obviously pushes up the price."

To offset the supply and demand formula, Tech Ed routinely buys and stores large quantities of paper commonly-used by UM. Last year, the plant bought about 30 railcar loads.

Tech Ed can produce a wide range of jobs—everything from quick copy to complicated four-color separations. The plant has two web presses (used mainly for 6 x 9 inch publications or large runs); six sheet-fed presses (used for other sizes) and 13 duplicator presses.

Workloads in every area of Tech Ed have increased. Business for the

plant's relatively young "quick copy" operation has increased nine percent over last year. To improve service in this area, Tech Ed expanded the satellite quick copy center last year in Whitten Hall on the Columbia campus.

Customers' expectations regarding turnaround time on some printing orders may mean the difference as to whether a UM department or faculty member is successful in getting funds for a grant proposal.

"In one case," he explains, "we had a very important grant proposal which had to be on a plane to Washington, D.C. that day. We made every effort to get that particular project rushed through and delivered it on time."

Mr. Perry says he welcomes feedback from UM customers in terms of publication trends or production problems encountered in the printing operation.

"If I get that kind of information, I can spot what the trends are likely to be and hopefully, anticipate what we will need to have in the way of personnel and equipment."

Dimond to lead group to China

E. Grey Dimond, UMKC provost for the health sciences, will lead a group of 10 prominent American cardiologists on a three-week teaching trip to the People's Republic of China from Sept. 24 to Oct. 15.

The invitation for American cardiologists to teach at major heart centers in Peking and Shanghai was

extended to Dr. Dimond by the Chinese Medical Association.

Dr. Dimond selected the American faculty which includes heart specialists from Cornell Medical Center, Harvard University, Massachusetts General Hospital and the University of North Carolina-Chapel Hill.

After the American delegation's return home, a party of 10 senior Chinese cardiologists will come to the U.S. in November to visit major heart centers in Washington, D.C., Dallas, Houston, Boston and New York City.

Dr. Dimond, an internationally known cardiologist, will be visiting China for the sixth time. In 1971, he, the late Paul Dudley White, and two other physicians became the first American doctors to visit China in 25 years. The '71 trip led to an exchange visit from Chinese physicians and medical educators in 1972.

Assistant dean named at UMC

Rick A. Gaines has been appointed an assistant dean of the UMC School of Medicine, effective Oct. 1. In addition to serving as director of administrative affairs, Mr. Gaines will have an academic appointment as a lecturer in the graduate studies program of health services management.

Since receiving his master's degree at UMC in 1975, Mr. Gaines has been employed as an administrator and financial officer for the department of family practice and community health at the University of Minnesota School of Medicine in Minneapolis.

His duties at UMC will include organizing and administering the budget of the medical school, developing legislative budget requests, maintaining liaison with the administration of 18 departments, and liaison with accrediting bodies such as the National Institutes of Health, Association of American Medical Colleges, and HEW.

Jobs

The following administrative, professional and academic vacancies were listed with *Spectrum* as of Sept. 6. Those interested in a position should contact the appropriate academic department or personnel office.

UMC: Assistant directors, alumni activities, office of computing activities, school board association (legal); assistant vice president, administrative affairs (UMca); director, employee relations; engineer, physical plant (2);

Food service supervisor II (2); manager, employee training and development (UMca); manuscript specialist, microbiologist; reactor operations engineer; reactor physicist; research chemist; research specialist; Scientific programmer analyst I; sr. computer programmer analyst; sr. fiscal analyst; sr. research scientist; sr. systems analyst (2); sr. systems programmer; supervisor, TV engineer.

Assistant professors, animal husbandry, horticulture, (2), geology, psychology, accountancy (2), management, child health (3), vet

anatomy-physiology; vet microbiology; Associate professor, vet medicine & surgery; professor, vet microbiology.

UMC Medical Center: Computer programmer analyst II; computer project manager; health care evaluation analyst (2); manager, medical records; medical records administrator; nurse anesthetist; reg. medical technologist (3); research specialist (2); sr. computer programmer analyst; staff nurse (39); supervisor, telephone communication.

UMSL: Assistant director, personnel; computer programmer analyst I; coordinator, veteran's affairs; supervisor, payroll/student loans.

UMR: Library assistant II (3); assistant professor, electrical engineering; research aide, Graduate Center for Materials Research.

UMKC: Supervisor, general labor; vice chancellor of academic affairs; vice chancellor for research and institutional development; vice chancellor for administrative affairs; vice chancellor for student affairs; and dean, College of Arts and Sciences.

This & That

UMC uses TV channel

UMC activities are now featured on a cable television channel in Columbia.

Columbia Cablevision, a commercial system servicing subscribers in and around Columbia, offered UMC the use of Channel 10 at a cost of \$1 a year.

The UMC Office of Public Information coordinates information to be used on the channel. The channel, which is used from 1 p.m. to 1 a.m. daily, is programmed from the Academic Support Center.

Program helps elderly

University of the Third Age is an educational program developed by UMR to meet the needs of older adults living in south central Missouri.

The program includes informal one-hour sessions conducted by UMR faculty members on a variety of topics at older adults' housing complexes and community centers. Courses are designed to meet the needs of the older adult who wants to utilize continuing education.

University of the Third Age is a continuing education project conducted by the UMR College of Arts and Sciences and funded through a federal grant under Title I, and the Missouri Division of Community Development.

Economic education

An economic education program targeted to help primary and secondary school teachers understand economic concepts, will be offered at UMSL this fall.

William Walstad, UMSL assistant professor of economics, has been appointed director of the program. Dr. Walstad will teach both of the courses, titled Economic Trade Offs and Economic Issues Forum III.

The program is administered by UMSL Continuing Education-Extension and co-sponsored by the Missouri Council of Economic Education.

Chancellor's assistant

Shaila R. Aery, formerly coordinator of the Oklahoma Health Career Opportunity Program, is the new special assistant to the chancellor at UMC.

Dr. Aery will assist Chancellor Barbara S. Uehling in a wide range of academic matters. Her duties include conducting research on institutional policies and implementing special projects.

As a member of the executive staff of the Chancellor for Higher Education in Oklahoma, Dr. Aery was responsible for the direction of a U.S. Public Health Service grant to aid the recruitment, enrollment and graduation of minorities in the professional health fields.

Professor honored

A UMKC assistant professor of accordion will represent the Accordion Teachers Guild as adjudicator for the Coupe Mondiale, an international accordion competition scheduled next week in Lodz, Poland.

Joan Cochran Sommers will also accompany the American and Canadian delegation to Copenhagen, Denmark to attend a performance at the Royal Danish Conservatory.

Publication available

Another issue of *Missouri Economic Indicators* is available from the UMC Public Affairs Information Service.

The publication is produced by the UMC department in cooperation with the division of budget and planning of the Missouri Office of Administration.

The June issue was financed in part by a grant from the U.S. Department of Commerce, Economic Development Administration. For more information, contact the director, Public Affairs Information Service, College of Business and Public Administration, 10 Columbia Professional building, Columbia.

Students win awards

UMC and UMR student chapters of the American Nuclear Society recently received awards from the society in recognition of their efforts to provide information about nuclear energy to the public.

The UMC chapter received a first place award and the UMR chapter placed third. The UMC chapter provided speakers, public forums and literature on the subject. UMR students conducted demonstrations using an energy simulator for various meetings.

UMSL dean named

K. Peter Etkorn has been appointed associate dean of the graduate school and associate director of research at UMSL.

The graduate school consists of 13 master's and three doctoral degree programs. The research office administers grants and other awards totaling more than \$3 million annually.

A professor of sociology, Etkorn joined the UMSL faculty in 1969 and served as department chairperson from 1969 until 1972.

People

Arnold B. Grobman, UMSL chancellor, was an invited observer last month at the presidential election in Panama. Dr. Grobman was a guest of the government and the University of Panama.

Bookshelf

Dental Fluoride Chemistry, by Alan F. Berndt, UMSL professor of chemistry and Robert I. Stearns, UMSL adjunct professor of chemistry. (Pub. by Charles C. Thomas, Springfield, Ill.)

Mycotoxic Fungi, Mycotoxins and Mycotoxicoses, co-edited by Thomas D. Wyllie, UMC professor of plant pathology, and Lawrence G. Morehouse, UMC professor of veterinary pathology.

Arcane, by Carl Sherrell, UMKC publications designer. (Pub. by Jove Press). The 320-page book is a fantasy novel.

Shakespeare's Opening Scenes, by Robert F. Willson Jr., UMKC associate professor, chairman of English and interim associate dean of arts and sciences. (Pub. by the Salzburg Studies in English Literature, 1977.)

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Frederick Davis, UMC professor of law, served as a panelist last month on a discussion of "The Hidden Judiciary" at the annual meeting of the American Bar Association.

Barbara S. Uehling, UMC chancellor, was one of two U.S. educators who participated in a seminar in Buenos Aires Aug. 21-25, at the invitation of the government of Argentina.

Stuart A. Wesbury Jr., UMC director and professor of the section of health services management, has been appointed president of the American College of Hospital Administrators, effective Jan. 1, 1979.

Thomas G. Brown, UMC professor of agricultural economics, has been elected to the board of directors of the American Agricultural Economics Association.

Top illustrator joins department

A nationally known illustrator has been named professor of art at UMC.

William A. Berry, formerly chairman of the graphic design area of the Boston University School of Visual Art, has done cover and editorial art for many major periodicals including *Newsweek*, *Sports Illustrated* and *The New York Times*.

An author of two books himself, Mr. Berry has also illustrated books by Henry Kissinger, Daniel Moynihan and Max Frankel.

Mr. Berry will teach design to students in UMC's new bachelor of fine arts and master of fine arts programs.