

# UM's Alumni Alliance provides support for 'total' University

If you think the alumni are interested only in partying their way through football season and in showing up for an occasional class reunion, you're wrong.

To be sure, each UM campus has an alumni association that works for the good of that campus. But the total University of Missouri has something more; an Alumni Alliance that looks beyond the boundaries of any one campus to the welfare of the system and its relationship to the state. And as far as anyone knows, no other multi-campus system in the country has such a group operating on its behalf.

With five members drawn from each campus alumni association (soon to be expanded to eight members) the alliance is numerically small. But size doesn't limit its reach—into nearly every Missouri county. And a public resources group, conceived by the alliance, works to communicate University needs to public officials.

That activity illustrates one of the alliance's purposes; to advance the image of the total University. Aren't they afraid of running afoul of the state's rather ambiguously worded lobbying law? "Not at all . . . we're taxpayers making sure our elected representatives understand our point of view. We're not paid or encouraged to work on behalf of the University," says Ruth Blake, whose alma mater is both the Kansas City and Columbia campuses. "We do it because we care about the University."

When the curators and the University's president are dealing with the legislature, the alliance has an important supportive role to play, in the view of Dick Bauer, alliance president, who is an alumnus of UMR and who will be its alumni association president next year.

"We're speaking with one voice," he says. "not four different viewpoints. We're

speaking for the total University rather than grinding an ax for a particular campus." He also views alliance efforts as shouldering some of the load with the curators and the president.

Another alliance purpose is to serve at the direction of the president in any way that might advance the interests of the total University. "Brice was most cooperative . . . a pleasure to work with," Ms. Blake says. "And Jim Olson has been extremely supportive of the alliance and its projects."

She and Mr. Bauer, in Columbia for one of the two major alliance get-togethers each year, were anticipating some new cues from the interim president in his meeting with them the following day.

"Another aspect of our purpose is to exchange ideas between the four individual alumni associations," Mr. Bauer observes. "We trade notes on our successes and problems and try to adopt on one campus

what has worked on another." This focus on strengthening the alumni associations is back of the alliance recommendation that members be past officers of the campus alumni associations.

Mutual supportiveness by the campuses for the whole University led to an alliance resolution at the May curators meeting: "We wanted to express our support of the board . . . to emphasize our interest in a strong University, to express our appreciation to Brice for his service, to assure our support of the next president," Ms. Blake says. "We had one alliance representative from each campus at that meeting to show our unity."

Alliance effectiveness depends on a good information base: "We hold our meetings on the various campuses," says Ms. Blake, "where we can learn about campus problems. Through tours, we learn about needs in facilities; we meet staff on the campuses. With all this we can understand and support the total University budget. "So I'll argue for the Rolla heating plant [in the 1977-78 request for capital improvements] just as I'm sure Dick was for Kansas City's Performing Arts Center."

They see themselves as something of a public relations group, a bridge between the University and the rest of the state. Alliance members receive all the campus and central administration publications; they also get student newspapers and the budget publications which explain the University's financial needs.

The alliance's public resources alumni receive periodic bulletins explaining legislation under consideration, so that they will be informed when they contact their legislative representative. "And lots of times we carry information back to the University," Ms. Blake says. "We hear things and can alert the University staff to potential problems by saying 'maybe you'd better check into this.'"

They agree that Bus Entsminger gets credit for the idea of the organization, now 10 years old. Then vice president for development, Mr. Entsminger took an alumni group—including Ms. Blake and Mr. Bauer—to St. Louis to talk about what kind of alumni cooperation could occur among the newly formed multi-campus system. Columbia alumni had given a sizable amount of money to get a St. Louis campus alumni organization off the ground — perhaps that signaled an underlying sense of community that could be developed.

Ms. Blake says it took a couple of years to overcome fears that the alliance would disturb individual campus alumni organizations. But that's in the past. The annual cash contribution each campus alumni association makes to fund the work of the alliance is concrete evidence of campus-alliance unity.

The legislature is the object of alliance activity in the fall and at other times of the year. In February the group sponsors a "Legislative Day" for selected lawmakers. Alliance members stress the University's service to Missouri and UM's financial needs to perform the responsibilities it has. "It's also a way of saying 'thank you' to the legislature for what has been done for the University . . . and what's been done is significant," Mr. Bauer says.

Still, the belt-tightening of the last few years concerns them: "Growth is a funny word," Mr. Bauer says. "I want to see the University meet the needs of the state. In the last four or five years we've been on the verge of not meeting needs . . . when you can't meet your fixed costs and there are practically zero-increase faculty salaries . . ."

"Growth in quality is another aspect," says Ms. Blake. UM alumni will be thinking about that as they participate in the various steps of the selection processes for a new University president. Having alumni represented in the selection is another idea that originated with the alliance.

"If the Alumni Alliance didn't exist, we'd all be on our own campuses not knowing about the others," Ms. Blake says.

In the alliance's view, UM's future is down a single path—not four divergent ones.

## Board meeting

The final report on possible uses of UM's 8,000-acre Weldon Spring tract in St. Charles County is expected to be presented at the Board of Curators meeting Dec. 16 and 17 at UMKC.

The report, by HOK Associates, would be the last of six "tasks" commissioned by the University and begun by the firm in May 1974.

It is also likely that Dr. Olson will announce the appointment of an acting chancellor for the Rolla campus. Dr. Raymond L. Bisplinghoff, UMR chancellor since 1974, is leaving the University to become vice president for research at Tyco Laboratories, Inc., Boston.

## SIS committee identifies most pressing problems

At meetings on Nov. 3 and 17 the Student Information System (SIS) Policy Committee identified high-priority services which the system must deliver and began work on SIS organizational structure and work flows.

The committee reached consensus on six essential SIS services based on feedback from campus SIS constituencies and discussion among committee members. The six service goals (in general, focusing on essential student needs): maintenance and provision of student permanent academic records; collection and reporting of grades; processing of applications for admission; registration—including advance, regular, drops and adds; provision of information required by the state Coordinating Board for High Education and selected other external agencies; and assessment of fees, production of student bills and maintenance of student accounts receivable, and revenue and expense accounting as applied to student fees.

Timely, accurate provision of these six essential services is to take priority over all other SIS needs identified to date by campus users. The next step is to determine exactly what needs to be done to achieve these objectives; estimates of time and costs to achieve them will be prepared for committee review.

The committee further agreed that the Student Information System, as it now exists, must remain in use for the time being, since no back-up system exists to provide the necessary information. However, long-range options will be considered after short-range problems are under control.

The committee asked that the Columbia campus assume from UMca Management Systems all responsibility and authority for SIS-related Columbia campus data input, production and reporting. The committee asked that a plan to implement this recommendation be forthcoming by

about Jan. 15 and that the plan address questions of resources, efficiency and time involved in implementation.

Discussion among committee members emphasized that such a transfer would necessarily be a lengthy process and that it must be done very carefully, by means of resources not now adequate for such a responsibility.

It was acknowledged that the campuses are meeting the six service goals in part by using methods outside the computerized SIS production system. The committee agreed that in the short run no campus is mandated to use SIS to accomplish the six goals. But the group emphasized that it does not intend to discourage participation in the SIS and any alternatives to SIS will require careful review, evaluation and approval.

The committee's current focus on SIS organizational problems by studying work flows connected with the system will continue at its next session on Dec. 15. Three major organizational issues will be considered: the authority and responsibility of Management Systems in regard to SIS, particularly with respect to the campuses; the adequacy of the University's present organizational structure to solve problems of access to and allocation of computer network resources for SIS; and problems in assignment of roles and responsibilities at the campus level which decrease the effectiveness and efficiency of the SIS.

## Sidelines

### Award to English

Dr. Earl F. English, dean emeritus of the UMC School of Journalism, has received an International Media Conference Award, one of five presented annually to persons who, through mass communication, have made outstanding contributions to inter-American and inter-racial understanding.

### Semantics conference

The 1977 International Conference on General Semantics has been scheduled for March 17-20 at Washington University, St. Louis.

The theme of the conference is "Semantic Environments in America, 1977: Explorations in Symbolic Ecology." Among the "semantic environments" on which attention will be focused are those of politics, advertising, television, medicine and collective bargaining.

Further information may be obtained from the International Society for General Semantics, P.O. Box 2469, San Francisco, Calif. 94126 (ph. 415/543-1747), or from Harold V. Cordry, 424 Lewis Hall, Columbia (314/882-4591).

## Dimond honored

Dr. E. Grey Dimond, provost for health sciences at UMKC, has been elected a fellow of the College of Physicians of Philadelphia, the country's oldest academic organization of clinicians.

Commenting on Dr. Dimond's election, the president of the college, Dr. John P. Hubbard, said: "We are very pleased indeed to include him among the distinguished fellows of this venerable institution. I have had the opportunity and privilege of visiting the University of Missouri-Kansas City on several occasions and have the greatest respect for his leadership in medical education."

## Hungate to teach

Rep. William L. Hungate, Democrat from Missouri's Ninth District, will join the UMMSL political science faculty following his retirement at the end of his current term. His appointment is for one year, on a part-time basis as a visiting professor.

Representative Hungate will teach a three-hour course entitled "Congressional Politics." Sharing responsibility for the course will be Dr. Lance T. LeLoup, assistant professor of political science.

## Search progresses

The search for a successor to Dr. C. Brice Ratchford, who resigned last May, is nearing the end of the first stage, with nominations from the four campus screening committees to be received by the Presidential Screening Committee no later than Jan. 1.

These nominations—eight to 15 from each campus—will be reviewed and studied by the members of the Presidential Screening Committee, and information on the ability and character of each nominee will be assembled, but the nominees themselves will not be interviewed. By March 1, the screening committee is to submit profiles on not less than five nor more than eight candidates to the Presidential Selection Committee.

These "finalists" will be interviewed by the selection committee, and, according to plans, at least four names will be submitted by June 1 to the Board of Curators, which is to appoint a new president in time for him or her to assume office on Sept. 1, 1977.

# NSF official surveys national science policy

Those who maintain that there is no such thing as a national policy for science haven't considered the influence of the federal budget, says the NSF's head of planning and policy analysis. Dr. L. Vaughn Blankenship, lecturing at UMC recently, said the federal budget, in effect, is the government's policy for science.

Dr. Blankenship's talk, "Science Policy and the Federal Bureaucracy," was sponsored by UMC's Institute of Public Administration. His presentation, though largely aimed at business and public administration students, contained some aspects of interest to UM's scientific and research community.

He pointed to the 1974 Budget and Impoundment Act initiated and passed by Congress to allow the legislative branch more control over the federal budget after some 30 years of domination by the executive branch and its Office of Management and Budget.

That 1974 act made the federal budget a much more broadly based governmental instrument and much easier for Congress to use. Federal research and development (R & D) expenditures under the various agencies were placed under functional categories such as national security, space, education, health, etc. "Congress has, in the new budget, an aggregate view of the economy and its over-all need for funds," Dr. Blankenship said. The fiscal effects of legislation are more clear. Strange as it seems, Congress had never before had such a budgetary system. It is within this budgetary framework that the NSF, principal federal agency

supporting science activity, now gains its funds."

Beyond the influence of the federal budget, however, Dr. Blankenship noted that any so-called national science policy is re-examined only between large chunks of time and never in its basic assumptions, only in selective aspects. "And this selectivity," he said, "is governed by changes in the political or economic climate, shifts in broad policy priorities, changes in the status of the scientific community and the like."

Dr. Blankenship traced the rise of the federal constant-dollar investment in total U.S. R & D since 1953. In that year the federal government was putting up 54 per cent of the dollars; in 1964, the peak year for federal investment in science, the figure was 66 per cent. In 1976, the federal share has slipped to 53 per cent, he said.

In basic research, an area of crucial interest to the nation's colleges and universities, the 1953 dollars invested were \$397 million; by 1967 the figure was \$2.8 billion, a seven-fold increase. In 1967 the federal government was supporting 72 per cent of basic research; in 1976 its investment fell to 68 per cent.

And in 1976, colleges and universities are performing 55 to 60 per cent of all basic research, whereas in the early '50s the majority was in the hands of private industry.

Dr. Blankenship pointed out that the peak years of federal investment in science produced other changes for colleges and universities: more support dollars and training opportunities for graduate students, an expansion of faculty, an increase in graduate degrees awarded and greater demand for scientists and technicians in industry.

"But all these close links between the government funding and the colleges and universities suddenly became troublesome in the 1970's," Dr. Blankenship noted. "These trained people cannot be absorbed any longer by either the universities or the general economy. The federal government also now has a troublesome public policy problem: how to keep U.S. scientific capability strong without contributing to the oversupply of Ph.D.s. Many of the problems of energy, pollution, transportation and so

## Payday shifted

The University Cabinet has approved a policy change providing that from now on University employees will be paid on the last working day of each month. This month, for example, payday will be Dec. 29.

The cabinet also adopted a proposal raising the daily individual meal allowance to \$16.50, an increase of \$1.50, effective Jan. 1, 1977.

## Vacancies

The following administrative, professional and academic vacancies were listed with Spectrum as of Dec. 1:

UMC: Admin. programmer/analyst (2); asst. radiation safety officer; chemist (2); construction engr.; coordinator of ADP production scheduling; employe relations dir.; fiscal analyst; police captain; prog. coordinator; res. spec. (2); sr. admin. asst.; sr. methods & procedures analyst; sr. personnel asst.; sr. res. chemist; sr. systems analyst (2); mgr., Development Fund-ICA; asst. prof. of accountancy; assoc. prof. of accountancy; asst. prof. of art; asst. prof. of biological science; assoc. prof. of education (dept. of curriculum & instruction); res. assoc., dept. of geology; asst. prof. of German; asst. prof. of history; visiting asst. prof. of history; dean, College of Home Economics; health science librarianship & asst. prof.; assoc. dir. of libraries & librarian IV; Bailey K. Howard World Book prof. of marketing; assoc. prof. of marketing; asst. prof. of philosophy; asst. prof. of political science; asst. prof. of psychology (2); instructor, Regional & Community Affairs; asst. prof. of Russian; asst. prof. of Spanish; res. assoc., dept. of special education.

UMC Med Center: Asst. dir., Medical Computer Center; head nurse (2); mgr., Advanced Systems; nuclear med. tech.; nurse anesthetist; purchasing agent; reg. med. tech.; staff dev. coordinator; staff nurse I (30); staff nurse II (21).

UMKC: Dir., Student Financial Aids.

UMR: Safety rep.; asst. or assoc. prof., speech & comp., dept. of humanities; dir., Rock Mechanics & Explosives

Research Center; res. aide, part-time, ceramic engr.; dean of engineering (nominations and applications to be sent to Dr. Robert L. Davis, Office of the Provost, Parker Hall, UMR).

UMSL: Ext. info. officer; admin. assoc.; mgr., FM radio.

(Note: A search committee has been appointed to find a successor to Mr. Charles C. Campbell, director of youth and 4-H programs. Nominations and applications should be sent to Dr. Don W. Fancher, assistant dean, 108 Whitten Hall, UMC. The closing date for applications is Jan. 10.)

Persons interested in an administrative vacancy should inquire through the personnel office on the campus where the vacancy exists. Those interested in an academic vacancy should inquire through the department or school listing the opening.

Department heads wishing to place announcements of academic vacancies in *Spectrum* should write to *Spectrum*, 424 Lewis Hall, Columbia. Listings will be run in two consecutive issues and then dropped, unless further publication is requested.

## Flu shots at UMKC

Swine flu vaccine will be available on Dec. 14 to UMKC faculty, staff and students, as well as the community. The Public Health Department will administer vaccinations from 9 a.m. to 4 p.m. in Pierson Hall. Persons aged 18-24 are urged to get a second "booster" shot to assure adequate protection. The shot is free and requires only a signed consent form. Persons under 21 must have the form signed by a parent or guardian. Side effects are reportedly negligible, but since the vaccine is incubated in eggs, persons allergic to chicken eggs should not receive it. Persons under medication should consult their physician for advice.

forth that U.S. society faces must be solved by science and technology.

"The abrupt cutback in federal funding for graduate student training and the decline in support of basic research is very disturbing to the scientific community," Dr. Blankenship acknowledged. "How to deal with the turn of events has produced suggestions ranging from stimulation of jobs for new Ph.D.s in research universities by direct federal funding of faculty positions to establishing new free-standing institutes for basic research staffed by new doctorates who would move into academic positions opening up through normal turnover."

The few UM faculty in Dr. Blankenship's audience didn't get any answers to the "troublesome" dilemmas. Dr. Blankenship concluded his discussion of that aspect with the statement, "As yet there is little consensus as to what the federal government should do about this dilemma."

Another aspect of the huge growth in federal R&D after World War II is the "elaborate bureaucratic structure" which administers federal dollars for support of science, Dr. Blankenship noted. From that bureaucracy come policies intended to impact directly on the organization and conduct of science, including: mechanisms for governmental/scientific community connections; levels of public resources to be devoted to science; distribution of resources by academic discipline and by type of institution; geographic location of major scientific facilities; relative outlays of labor vs. capital expense for science, and the nature, supply and location of Ph.D. scientists.

Commenting on Dr. Blankenship's lecture, Dr. David Troutner, head of UMC's chemistry department, observed, "Some faculty—both UM and elsewhere—still are thinking in 1966 terms that there's always money somewhere if you're a good enough entrepreneur. But we really have come to the point where we can't expect to improve by spending more and adding more faculty. My department is feeling the pressures of working harder to get grants. We also have a high degree of tenured faculty, most not due to retire within the foreseeable future and that cuts our flexibility."

Dr. Troutner remarked that the NSF's acting director, Richard Atkinson, had discussed some of these problems in *Chemical Engineering News*. "Atkinson noted that with the projected drop in graduate enrollments in science and engineering will come an anticipated drop of seven per cent in science and engineering faculty. That means, according to Atkinson, an older less vital faculty still protected by tenure," Dr. Troutner said.

Atkinson suggested a solution, Dr. Troutner noted, in having mid-career faculty enter second careers, freeing younger faculty to take their places. Another possibility might be federally funded senior scientist research grants which specify that younger faculty take up teaching responsibilities from the senior scientists. Still another idea; universities might seek more contracting with private industry to decrease reliance on federal research dollars.

# Wide range of responsibilities for UMC's health care center

The following story was written by Normand DuBeau, editor of the Information Science Group.

The University of Missouri-Columbia has been selected by the National Center for Health Services Research (HEW) to receive \$893,223 per year for the next five years to establish and operate the nation's first Health Care Technology Center.

The first year's funding was formally accepted by the University Board of Curators at their meeting on November 19, 1976. This funding actually covers the period from Oct. 1, 1976, through Jan. 31, 1978. The grant itself is operational through Jan. 31, 1982.

The grant—totaling some \$4.5 million—is one of the largest research grants ever received by UMC.

Donald A. B. Lindberg, M.D., director of the Information Science Group and professor of pathology in the School of Medicine, is the director of the new center; Samuel J. Dwyer III, Ph.D., professor and director of the Bioengineering Program in the College of Engineering on the Columbia campus, is associate director; and Jay Goldman, Ph.D., professor and head of industrial engineering at Columbia, is head of the Executive Committee.

Establishment of the Health Care Technology Center (HCTC) at Columbia was the culmination of a nation-wide competition in which some 59 institutions participated earlier this year.

Not long after UMC's 300-page proposal was submitted, Dr. Lindberg was informed that UMC was among the "finalists" in the competition. A team of national experts from universities and the federal government visited the campus in August.

Through an announcement from Rep. Richard Ichord's Washington office, it was learned unofficially on Oct. 1 that Missouri was selected for the National Health Care Technology Center. This was later confirmed officially by the curators.

The University formally requested and has now received support to establish a "Health Services Research Center with a National Special Emphasis Program in Health Care Technology."

Here is what the center is for and what it will do:

Public Law 93-353, Section 305, under which the award was made stipulates that the Health Care Technology Center, in addition to "focusing on all forms of technology and its application in health care delivery," will "encourage the development and use of technology to deal with problems associated with the organization and delivery of health services as well as increase the effectiveness of the therapeutic process."

In carrying out this mandate, the center will place particular emphasis on *evaluating* both the potential impact of existing or proposed technological innovations and the effects of technological change on such aspects of provider and system performance as access and effectiveness of treatment; the costs of such treatment, and whatever societal impact it may have. Ethical, legal and sociological considerations will be as much involved in these evaluations as the technology itself.

To do this, a multidisciplinary approach will be emphasized in virtually all of the center's activities. On the Columbia campus alone, in addition to the Information Science Group, investigators and support staff will come from the following departments of the School of Medicine: pathology, surgery, psychiatry, pharmacology, family and community medicine (health services management section) and medicine (rheumatology section). And additional investigators and support staff will be drawn from the departments of industrial engineering and bioengineering of the College of Engineering; from the departments of sociology and rural sociology, computer

science and economics of the College of Arts and Science; from the School of Journalism; and from the University Extension Division.

Working with Dr. Lindberg, Dr. Dwyer and Dr. Goldman are these key people, who make up the Executive Committee:

Coordinator, Research Agenda Group: Daryl Hobbs, Ph.D., director of rural development, and Derek Gill, Ph.D., associate professor of behavioral science.

Coordinator, Evaluation Group: William Fairman, Ph.D., associate professor of industrial engineering.

Coordinator, Education Group: Stuart A. Wesbury, Jr., Ph.D., director and professor, health services management.

Coordinator, Technical Assistance and Consultation Group: William McFarland, Ph.D., associate professor of bioengineering.

William Allen, M.D., professor, department of family and community medicine,

Elizabeth Dickhaus, Ph.D., assistant to the provost for health affairs,

Arthur E. Rikli, M.D., professor, department of family and community medicine.

There also is provided a National Advisory Committee which will meet three times a year and will guide the selection of problem areas and approaches, and advise on research priorities in the light of their awareness of needs and changes in health care, health systems and technology. Members of this group, most of whom are still to be named, will have experience in engineering, computer and information science, nursing, hospital administration, medical education, health legislation, publishing and journalism; consumer affairs and government (e.g., from the National Library of Medicine, Center for Disease Control).

Three persons have already accepted appointments to the National Advisory Committee. They are: Anthony Oettinger, Ph.D., director of the Program on Information Technologies and Public Policy at Harvard University; Edward A. Feigenbaum, Ph.D., professor and head of the department of computer science, Stanford University, and co-director of SUMEX-AIM (Stanford University Medical Experimental Computer for Artificial Intelligence in Medicine); and Morris Collen, M.D., director, Medical Methods Research, the Permanent Medical Group.

A Regional Advisory Committee will consist of 12 members who will function regionally in much the way the National Committee will operate. Members will come from industry, from state health-oriented agencies and from regional medical schools. Private citizens with an interest in the impact of technology on health will also be considered. Within a short period of time, more than 50 persons will be directly involved on the Columbia campus alone.

HCTC will serve to attract the attention of the numerous independent research groups in disciplines relevant to health services research and technology, and will facilitate the planning of a cohesive agenda for joint efforts in this field.

The products of the center will include evaluation studies, research conclusions and a series of communications which are to be directed to both scientific and public audiences.

In brief, the center will study the technological aspects of national health care

practices as they are today; evaluate those new techniques which are just appearing in medicine, and attempt to predict the benefits of advanced techniques which have not yet become available to medical practice. Recommendations will derive from the contributions of medical personnel and computer experts, as well as from engineers, sociologists, economists and interested citizens.

HCTC's work will take the form of both research and demonstration projects based on technologic and health service questions which represent major national issues as well as institutional strengths. The initial set of questions will center about the application of computers and information systems to health and the positive and negative potential of automation in health care. Of special interest will be ways in which innovative and beneficial information systems in support of health care delivery can be made widely available.

Though HCTC will be concerned with and sensitive to all technologies which have an impact on health care and health care delivery systems, emphasis for the present will be on *computers* and *information systems* simply because information system technology (which involves computers) finds its way into virtually every advanced technique in almost every modern field of endeavor. Thus, this emphasis will allow the center a broad latitude on research problem selection and will permit a realistic hope of dealing with a number of the areas of technologies impact.

The center's initial activities will be phased. That is, HCTC's first projects will constitute Tier 1; projects for early consideration will be classed as Tier 2, and those projects which require more time for maturing, or which exceed the center's present capabilities will constitute Tier 3.

Among the Tier 1 projects:

• **Drug Information System**—by which health care professionals can use automated information systems to assist in drug selection and drug management for patients. This system is under the direction of Samuel Garten, Ph.D.

• **Computerized Tomography Evaluation**—to study the costs and benefits of this important new technique in radiology. Under the direction of Gwilym S. Lodwick, M.D.

• **Microprocessor Applications**—The emerging microprocessor technology will play an increasingly significant role in augmenting the flexibility and capability and reducing the cost and physical size of health care delivery equipment. Engineers and physicians will work together on these matters under the direction of Samuel J. Dwyer III, Ph.D.

• **Data Base Systems Study**—The various ways in which large computer systems can be used along with the new small systems to provide patient care information where it is needed. Paul Blackwell, Ph.D., will direct this work.

• **Medical Records Research**—Studies will be made of the information content of the many forms of medical records as they are now kept. Special emphasis will be placed on ways in which patterns of disease can be recognized. Howard Hopps, M.D., Ph.D., will direct this work.

Tier 2 projects will define ways in which the center may assist groups currently working in Renal Dialysis, Emergency Medical Services and Mental Health Management Information Systems. These planning efforts will be led respectively by: A. E. Rikli, M.D., Frank Mitchell, M.D., and Arthur Robins, Ph.D.

Tier 3 projects will consider some major national health care problems and opportunities. These include: multiphasic screening, medical proficiency testing, family practice, data privacy, patient education, and genetic modeling. This work will include contributions from F. V. Lucas, M.D., John Simpkins, Ph.D., Jack Colwill, M.D., and Michael Hosokawa, Ed.D.

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### New chairs

Four new academic chairs are to be established on the Columbia campus from trust funds provided by Dr. Frederick A. Middlebush and his wife, Catherine Paine Middlebush, both deceased. The trust allots a minimum of \$3,000 per year to be added to the regular salary of professors selected for the chairs—in English, political science, economics and law.

Dr. Middlebush was president of the University from 1935 to 1954. Prior to his presidency, he taught political science and public law, and served, from 1926 to 1935, as dean of the School of Business and Public Administration.

### Brewer honored

Prof. John M. Brewer of UMR's English department has been chosen honorary initiate of Phi Kappa Phi, the national honor society that recognizes superior scholarship in all fields of study. Professor Brewer has taught at UMR since 1947.

### Meeting on tenure

The Tenure Review Committee met Nov. 19 to finish reviewing the suggestions forwarded to it by the campuses. A final draft of the proposed revisions is now being prepared for discussion by the committee with Dr. Olson.

Copies of the committee's final report to the president will be distributed to campus faculty groups.

### AICE post

Dr. Walter Meyer, head of UMC's nuclear engineering program, has been elected vice chairman of the Nuclear Engineering Division of the American Institute of Chemical Engineers.

## New Letters

The latest issue of *New Letters*, UMKC's highly regarded literary magazine, contains, among other things, a selection of poems by Kansas Citians, articles on censorship in South Africa and Zen poetry, and stories by Richard Jones, Laura Zakin and Michael Patrick Malone.

Copies, at \$2.50 each, may be obtained by writing to *New Letters*, UMKC, 5346 Charlotte, Kansas City, Mo. 64110.

## Grobman lectures

Dr. Arnold B. Grobman, UMSL chancellor, has accepted an invitation from the Organization of American States to present a series of lectures this month at the University of Campinas in Brazil. He will speak on higher education in general and science education in particular.

## Book club selection

A translation of Carlos Fuentes' *Terra Nostra* by Dr. Margaret Sayers Peden, head of UMC's department of romance languages, was recently chosen to be a Book of the Month Club alternate selection.

## FFA award

Dr. Bob R. Stewart, UMC professor of education, has been awarded an Honorary American Farmer degree by the Future Farmers of America. The award is the organization's highest honor for educators.

Dr. Stewart was recipient in 1965 of a National FFA Fellowship and worked for the national office in Washington. Five years later he received a one-year appointment to the FFA board as a teacher-educator—the first in the organization's history—and subsequently was elected to a two-year term.

## Ag vacancy filled

Dr. George E. Smith has been named associate dean of UMC's College of Agriculture and associate director of the Agricultural Experiment Station on an interim basis, while a successor to Dr. Richard Aldrich is sought. Dr. Aldrich left UMC to become administrator of the USDA's Cooperative State Research Service.

# Here and There

*Spectrum's* calendar carries announcements that may be of interest to persons throughout the University system. Anyone wishing to place an announcement in *Spectrum* should write to Calendar, 424 Lewis Hall, Columbia. The next issue of *Spectrum* is scheduled to appear Jan. 14, and the calendar deadline is 1 p.m. on the preceding Friday.

**UMKC Symphony Orchestra & Jazz Band**—8:15 p.m., Dec. 10; Pierson Hall, UMKC; benefit performance of specially commissioned work by Herb Six, professor emeritus; proceeds to conservatory scholarship fund.

**Boaz Sharon** (pianist)—concert; 2:30 p.m., Dec. 10; Stover Aud., 4500 Warwick, UMKC; free.

**St. Louis Symphony**—1:30 p.m., Dec. 10; 8:30 p.m., Dec. 11; Powell Symphony Hall; St. Louis; Leonard Slatkin conducting; Nathan Milstein, violin; Sant' Ambrogio, cello. (Program: Paganini-Stock, "Perpetual Motion"; Brahms, "Violin Concerto"; Strauss, "Don Quixote.")

**The Eccentricities of a Nightingale**—through Dec. 17; Loretto-Hilton Theatre, Webster Groves; for ticket info. ph. 314/968-4925.

**"Collectors' Market"**—through Dec. 30; Nelson Gallery sales mezzanine, 45th & Oak, Kansas City.

**American Primitive**—8 p.m., Dec. 10-11; UMKC Experimental Theatre, 51st & Holmes; for ticket info. ph. 816/276-2705.

**"The Rediscovered Work of William J. Hinchey"**—through Jan. 9; Nelson Gallery, Kansas City.

**"Christmas in Art"**—through Jan. 9; Nelson Gallery, Kansas City.

**Basketball: UMSL vs. Central Mo. State**—Dec. 11; home.

**Basketball: UMKC vs. Rockhurst**—Dec. 11; home (Municipal Aud.).

**Basketball: UMC vs. Florida State**—Dec. 11; home.

**Ronald Arnatt** (organist)—recital; 4:30 p.m., Dec. 12; Christ Church Cathedral, 13th & Locust, St. Louis; free.

**Christmas Music Festival**—8:15 p.m., Dec. 12; Pierson Hall, UMKC; combined choirs under direction of Eph Ehly.

**Stan Kenton Orchestra**—Dec. 13; Plantation Dinner Theatre, St. Louis; for ticket info. ph. 314/869-9400.

**St. Louis Symphony**—8:30 p.m., Dec. 16 & 18; Powell Hall; St. Louis; Leonard Slatkin conducting. (Program: Mahler, "Symphony No. 9.")

**Basketball: Sun Carnival** (Baylor, U. of Tex.-El Paso, USC & UMC)—Dec. 17 & 18; El Paso.

**Basketball: UMKC vs. Evangel**—Dec. 18; home (Swinney Gym).

**Basketball: UMR vs. Kentucky Wesleyan**—Dec. 18; there.

**UMKC Civic Chorus**—8:15 p.m., Dec. 19; Pierson Hall, UMKC.

**Basketball: UMR vs. Ark. State**—Dec. 20; there.

**Cole Porter: "You're the Top"**—Dec. 21-23; Plantation Dinner Theatre, St. Louis; for ticket info. ph. 314/869-9400.

**Basketball: UMSL vs. Benedictine**—Dec. 22; home.

**Floating holiday**—Thursday, Dec. 23.



Christmas wouldn't be Christmas at UMSL without the Faculty Women's Holiday Puppet Show, to be presented Dec. 12 in the UMSL University Center Lounge.

**Christmas holiday**—Friday, Dec. 24.

**Basketball: Big Eight Tournament**—Dec. 27-30; Kansas City.

**Hansel and Gretel**—Dec. 28-30; Music Hall, Kansas City; Kansas City Philharmonic (fully staged opera); for ticket info. ph. 816/842-9300.

**Floating holiday**—Thursday, Dec. 30.

**New Year's holiday**—Friday, Dec. 31.

**Basketball: UMSL vs. William Penn**—Jan. 3; home.

**Kansas City Philharmonic**—8 p.m., Jan. 4; 7:30 p.m., Jan. 5; Music Hall, Kansas City; for ticket info. ph. 816/842-9300; Maurice Peress, conductor; Byron Janis, pianist. (Program—Haydn "La Poule"; Stravinsky, "Symphony in Three Movements"; Rachmaninoff, "Third Piano Concerto.")

**Basketball: MIAA Tournament**—Jan. 6-8; Springfield.

**Basketball: UMC vs. Kansas**—Jan. 8; there.

**Ray Bolger**—8 p.m., Jan. 8; Music Hall, Kansas City; for ticket info. ph. 816/842-9300.

**Basketball: UMKC vs. U. of Nebraska-Omaha**—Jan. 8; home (Municipal Aud.).

**Basketball: UMC vs. San Diego State**—Jan. 10; home.

**Basketball: UMKC vs. Central Mo. State**—Jan. 11; home (Municipal Aud.).

**Basketball: UMR vs. U. of New Haven**—Jan. 12; home.

**Basketball: UMC vs. Oklahoma**—Jan. 12; home.

**Basketball: UMKC vs. U. of Calif.-Irvine**—Jan. 13; there.

**St. Louis Symphony**—8:30 p.m., Jan. 13; 1:30 p.m., Jan. 14; 8:30 p.m., Jan. 15; Powell Hall; Georg Semkow conducting; Washington University Chorus. (Program: Mozart, "Mass in C Minor.")

**Basketball: UMKC vs. Occidental**—Jan. 14; there.

**Cleveland String Quartet**—8 p.m., Jan. 15; Unitarian Church, 121 W. Eighth, Kansas City; tickets \$7 at the door; for further info. call 816/531-2297.

**Basketball: UMC vs. Oklahoma State**—Jan. 15; there.

**Basketball: UMSL vs. U. of South Ala.**—Jan. 15; there.

**Basketball: UMR vs. Northwest Mo. State**—Jan. 15; home.