

'Looking Forward'**Inauguration message: Education must be priority**

The future will be ruled by people's ability to deal with both the seen and the unforeseen, and the place to develop that ability is the university. Robert L. Clodius, president of the National Association of State Universities and Land-Grant Colleges, delivered that message yesterday as he gave the principal address at the inauguration of UM President C. Peter Magrath.

In an address entitled "Looking Forward," Clodius said the responsibility for developing and enhancing the capacity of universities to deal with the future lies with all partners in education — the state government, the federal government, private enterprise and the university itself.

"The future will be ruled, as the past has been, by capacity — the capacity to use our wits to deal with both the seen and the unforeseen."

Despite the responsibility, the federal government lacks a commitment to higher education, he added, although historically the country has called upon higher education to serve national purposes: "in the Land-Grant Acts, which greatly increased our capacity to produce in agriculture and expanded opportunity; in the GI Bill of the late 40s to train several generations of young people to meet our postwar challenges; in the National Defense Education Act of the late 50s, which met the Sputnik threat with increased scientific and technological achievement; in thousands of individual research

grants and contracts that have led the assault on such perennial problems as pollution, poverty, hunger and disease; in grants to university medical centers, which laid the cornerstone for the nation's system of health care."

"This time the nation, if not the federal government, is calling upon higher education for national purposes: to meet the economic challenge of Japan and Germany, to meet the science and technology challenge of a new age, to meet the challenge of resource scarcity in energy and critical minerals, to meet the challenge of famine in Africa, and to meet the national security challenge of Soviet imperialism in South Asia, in Africa and in the Caribbean Basin.

"These are not the first challenges to face America; they are certainly not the last; they represent only the current crop," Clodius said. "How can we, as a nation, best assure that we shall be able to solve what lies before us, now and into the future? The key concept is capacity, and the locus for building the foundation and developing those capacities is the university. The future will be ruled, as the past has been, by capacity — the capaci-

"...nothing you can do, as citizens of Missouri and the nation, can so enrich the lives of your children or can so ensure the continued growth and vitality of the United States of America as your support for education."

ty to use our wits to deal with both the seen and the unforeseen."

The continued growth and strength of the United States can best be ensured by supporting education, Clodius said. "The

questions are: Do we recognize this? And what are we going to do about it?"

"Education is the only infinitely expandable resource we have, but it expands only as the investment is made."

He quoted Oklahoma Sen. David Boren, who called education "the forgotten cornerstone" of the national effort to re-tool America by strengthening the economy and the national defense and improving the nation's position in the world. "No one gives it (education) special priority," Clodius said. "We all just assume that the manpower and the knowledge to do great things better will be there without creating it." Boren, he added, worries that when plans are in place and budgets are balanced, the nation will have so crippled its ability to teach people what they need to know that the plans will be worthless.

"Do we still believe that education makes a difference? I, too, and most of my colleagues are worried about the forgotten cornerstone," Clodius said. "We have seen it (education) make our country the world's pre-eminent industrial power, the leading world food producer of all time, and the master of the first human presence on the moon...and are we to abandon it when we need it most — for mastering the most difficult and fundamental challenges of our history? Are education and research no longer relevant better to understand ourselves and the world we live in? Does anyone have any better ideas?"

Education is not a panacea, Clodius said; it cannot solve the insolvable. But education is the beginning, or the cornerstone, of the solutions the problems need. Education is the place to build a stronger foundation to help society learn to understand and manage itself better.

On the federal scene, however, there seems to be no commitment to higher education, Clodius said. "Colleges are expensive to maintain, and research in a technological age is a costly enterprise. Yet should we continue to put higher education on a back burner, hoping it will somehow continue to percolate while we fight the fires of the

Middle East, of Central America and of military slippage and other problems that seem to have a life of their own?

"We continue to hope that our educational enterprise, with all its promise for tomorrow, will sustain itself somehow, without the needed government aid and without government priority. Education is the only infinitely expandable resource we have, but it expands only as the investment is made."

Missouri ties

Robert L. Clodius, president of the National Association of State Universities and Land-Grant Colleges, lives and works in Washington, D.C., is a native of Washington state, graduated from a California university and was a longtime university professor and administrator in Wisconsin.

His ties to Missouri, however, extend beyond his brief visit to the state to make yesterday's principal inauguration address.

"On my mother's side," Clodius says, "my great-great-grandfather bought land from the federal government to farm in 1841 (in Missouri), where my great-grandfather and great-grandmother were born, where my grandfather and my grandmother were born, and from whence grandfather was taken by his parents by covered wagon to homestead in the Oregon Territory in 1863."

The inauguration of C. Peter Magrath marks an important investment in the future of the University and in the future of the state, its citizens and the larger community outside the state, Clodius said. "In Peter and Diane Skomars Magrath the curators have found a couple who know and understand the power of ideas, the relevance of the University and the power of partnership."

The University of Missouri, he added, is the finest memorial the people of Missouri have ever built. "The real gateway is the University through whose arches pass your sons and daughters enroute to the frontiers — of knowledge, of the mind and of the spirit."

Curators confirmed

The Missouri Senate has confirmed Gov. John Ashcroft's nominations to the UM system Board of Curators. Confirmed were St. Louis physician Eva Louise Frazer, Jackson attorney and farmer John P. Lichtenegger and Chillicothe insurance and real estate businessman Edwin S. Turner.

Their first board meeting will be May 2 and 3 at UM-Rolla.

Of prosperity and momentum

UM President C. Peter Magrath has been in office more than 100 days, so he described his inauguration yesterday as not just an installation of a president but a celebration of the University's potential to contribute greater things to the state of Missouri.

"My premise is straightforward: No state can prosper and grow without a strong, public research university, allied with all other sectors of higher education, promoting research and service," Magrath said at the inauguration ceremony, hosted by the UM system Board of Curators.

The large audience of University students, faculty and staff; education leaders from Missouri and other states; government officials; and state and local leaders also heard remarks by Missouri Gov. John Ashcroft, House Speaker Bob Griffin, a representative of the state senate and representatives of UM faculty, staff, students and alumni.

Magrath's remarks featured three goals for the University and the state to pursue so that both may realize prosperity and momentum:

- "First, the citizens of Missouri working with their highly representative and effective state government must actively support progress toward a better tomorrow.

- "Second, the University must become unified, in deed, in thought and in day-to-day assumptions. This is essential. It is one of my personal commitments: a unified University of Missouri, rejoicing in the strength that its diversity focused on common objectives can bring for the sake of its students and state.

- "Third, our state and its leaders and its citizens must have the faith and the vision and the courage to put into our hands — hands eager to work — the implements, the investments, that are essential if the University of Missouri is to provide even greater and more effective service to our society and economy."

The complete text of Magrath's remarks is inside this issue.

Committee studies research function

A system committee has been appointed to study the University of Missouri's research function and make recommendations for improving it. The committee was appointed by UM President C. Peter Magrath.

Known as the Special Committee on Facilitating Faculty Research Efforts, the committee is charged with identifying specific, practical steps that UM can take to encourage its faculty to obtain federal grants and contracts and to develop appropriate contracts with business and industry. Also, the committee will identify and recommend removal of any obstacles that might inadvertently delay or frustrate those efforts.

The committee will consider appropriate incentives to stimulate increased faculty initiative in securing or developing federal, business and industrial contract proposals, grants and contracts.

Current patent process procedures will be reviewed and examined for their effectiveness, and the committee is expected to offer recommendations for making the patent process more efficient.

In a letter to committee members, Magrath also asked them to express their opinions on the effectiveness of the University's decentralization of research grant and contract activity.

The committee's report is expected to be finished by July 1.

UM-Kansas City Chancellor George A. Russell is chairman of the committee. Other campus representatives are Delbert Day, ceramic engineering, UM-Rolla; Jacob Leventhal, physics, UM-St. Louis; and Don Blount, Graduate School, UM-Columbia. UMca representatives are Herbert S. Goldberg, acting associate vice president for academic affairs/research; Robert L. Ross, general counsel; and Kent Shelton, assistant vice president for financial services.

Meetings under way to discuss flexible benefits

Group meetings to discuss the flexible benefits options available to UM faculty and staff began this week and continue through early May. Enrollment forms for the plan are due in staff benefits offices by May 17.

The plan, authorized by changes in Internal Revenue Service regulations and approved by the UM system Board of Curators, allows employees to individually identify insurance premiums they want to have deducted on a pre-tax or an after-tax basis. Employees who choose to have any or

all premiums deducted on a pre-tax basis will see an increase in their take-home pay. The plan reduces employee taxable income and increases take-home pay by deducting premiums from gross pay before federal, state and Social Security taxes are computed.

The University will continue to use an employee's gross salary base to calculate retirement benefits, group life insurance premiums and benefits, and premiums and benefits for long-term disability insurance.

The program is effective June 1. Paychecks issued for earnings June 1 and later will reflect the change for employees who choose to participate.

Enrollment forms and an informational letter from UM President C. Peter Magrath have been mailed to employees who participate in the benefits programs. Enrollment forms will also be available at the group meetings.

If an employee does not submit an enrollment form by the May 17 deadline, the University will assume the employee does not wish to participate and will continue to deduct premium contributions on an after-tax basis.

Group meetings still to be held:

UMca, UMC

April 26 — 10:30 a.m., Campus Facilities Garage

April 29 — 10 a.m., Memorial Union Auditorium

May 1 — 10 a.m., Pershing Conference Room; 2 p.m., Bingham Private Dining Room

UMKC

May 6 — 9 and 11 a.m., University Center Pierson Stage Area; 1:30 and 3 p.m., Medical School Theater A (meeting dates

changed from those listed in April 11 issue of *Spectrum*)

UMR

April 26 — 10 a.m. and 1:30 p.m., University Center Centennial Hall

Groups, individuals donate \$14.2 million

Most of the \$14.2 million in private gifts the University of Missouri received during the final six months of 1984 came from organizations — individual and family foundations, trusts, businesses, religious groups and fund-raising consortia. Organizations contributed \$8.7 million from July through December, compared with \$6.8 million contributed by organizations during the same period in 1983.

Individuals, including alumni, parents and students, contributed \$5.5 million during the last six months of 1984, up from \$4.8 million during the same period in 1983.

The Columbia campus received more than half the private funds — \$9.9 million. The Kansas City campus received \$1.7 million, the Rolla campus \$2 million, the St. Louis campus \$511,608 and central administration \$118,324.

Of the \$14.2 million received, \$8 million was donated for current operations (academics, faculty and staff compensation, student financial aid, research or library expenses), and \$4.1 million was donated for capital purposes (property or endowments). More than \$2 million was given without donor restrictions.

TO: University of Missouri Faculty

FROM: Don Phares, chairman,
Intercampus Faculty Council

SUBJECT: University Flexible Benefits Plan

My colleagues and I on the Intercampus Faculty Council have had the opportunity to review the new flexible benefits program, which will become effective June 1. We urge you to give serious thought to this program.

The highlights of the plan have been discussed in earlier *Spectrum* articles and you should have received an announcement from President Magrath on the details of the program.

The program is optional and offers faculty and staff an opportunity to choose whether they wish to contribute to the medical, dental, long-term disability and group life insurance programs on a pre-tax or an after-tax basis. Those who choose the pre-tax option will receive an increase in University take-home pay.

There are offsetting considerations, however, which each person should think about concerning his/her own tax or retirement situation. These issues are outlined in the announcement from the president.



Awards & Honors

UMC Libraries is one of 10 research library systems in the nation to receive grants through the preservation planning program of the Association of Research Libraries. The program, funded by a grant from the National Endowment for the Humanities, will allow UMC's libraries to hire preservation consultants and conduct a preservation study to continue to address problems of preserving its collections. Experts estimate 25 to 60 percent of research library collections will be too brittle for normal use by the turn of the century.

For the third consecutive year, UMKC Professor **David Ray**, editor of *New Letters* magazine, has won the PEN Syndicated Fiction Project award, this year for his story, "A Pitcher of Orange Juice," a story about the conflicts of an alcoholic at an alcoholism retreat. Ray will receive a \$250 prize and will earn more money each time the winning story is published in American newspapers.

UMR Stonehenge, a partial reconstruction of England's ancient megalith, has received one of 10 National Society of Professional Engineers 1984 Outstanding Engineering Achievement Awards. The society cited

Stonehenge's significance as a tribute to ancient engineering using newly developed waterjet technology.

Two photo-screenprints by **Lawrence Rugolo**, UMC professor of art, have been included in two national print exhibitions, the Cameron National Print Exhibition at Cameron University in Lawton, Okla., and the 15th National Print and Drawing Exhibition at Minot State College in Minot, N.D. Both

prints, "Gemini" and "Time Zone I: Space Exchange," have been widely exhibited and have won awards in several competitions.

UMC art professor **Larry A. Kantner** was one of two American art education consultants invited to Qatar to participate in a seminar on the role of art education in the development of the Gulf Arab citizen. The seminar was sponsored by the Qatar National Commission for Education, Culture and Science.

Elections

Robert Oetting, UMR professor of aerospace and mechanical engineering, has been elected national vice president of Sigma Gamma Tau, an honor society in aerospace engineering. He has been regional coordinator for the organization since the late 1970s.

Frank D. Aquila, associate professor of educational administration at UMKC, has been appointed to the Resolutions Committee of the American Association of School Administrators, the nation's largest adminis-

trative organization focusing on educational concerns. The association, which has a university division, is made up primarily of school administrators and superintendents.

Felicia Hardison Londré, UMKC professor of theater, has been elected to a three-year term on the executive board of the American Society for Theater Research. She also was elected chairwoman of the American Theater Association's Commission on Theater Research.

Appointments

Don L. Warner, dean of the UMR School of Mines and Metallurgy, has been appointed to the U.S. Department of the Interior's Advisory Committee on Mining and Mineral Research. The committee develops a national research plan for mining and mineral resources for universities, the federal government and private industry.

Sandra W. Lake, director of affirmative action and academic personnel at UMKC, has been appointed to the Committee on Equal Opportunity of the National Association of State Universities and Land-Grant Colleges. The appointment was made by UM President C. Peter Magrath, chairman of NASULGC this year.

Nancy Marlin, UMR associate professor of psychology, has been appointed to a panel of the National Research Council, the research arm of the National Academy of Science. Marlin is spending the 1984-85 academic year as an academic associate to the UM vice president for academic affairs.

Items for Laurels may be submitted to Spectrum, UMca University Relations, 400 Lewis Hall, Columbia. Items should be limited to faculty and staff honors, elections and appointments of a national or international nature.

Magrath: 'Tomorrow Bright Before Us'

Editor's Note: The following is the text of the remarks UM President C. Peter Magrath made at his inauguration yesterday as the University's 17th president.

**We have to-morrow
Bright before us
Like a flame.
Yesterday
A night-gone thing
A sun-down name.
And dawn to-day
Broad arch
Above the road we came.
Langston Hughes**

All colleges and universities link the past with the present because of a belief in a better tomorrow. The University of Missouri is no exception. Its history illustrates its enduring promise for even greater service to Missouri, the nation and the world.

The University of Missouri became the first public university west of the Mississippi, with its historic and original campus founded here in Columbia in 1839, virtually against all odds and with an air of presumption and stubborn conviction in the importance of education. There was so little here then, so little to justify the faith that one day a significant American university would emerge from that frontier-like endeavor. It was a struggling school consisting of a president-professor, John Hiram Lathrop, four other professors, one building, 74 students and a debt of \$15,000 three years after it opened. Lathrop was a realistic optimist, a practical idealist who counselled that we not be "unwisely impatient of results, nor despise the day of small things." Scholarship and devotion to teaching were his guiding criteria for the University. As he so perfectly phrased it, the essential element in an institution of education is the "living instruction" it conveys.

"...there was a vision of a brighter future built around the unique contributions that flow from higher education. One guiding idea was the unifying thread behind the establishment of each of the University of Missouri's campuses and programs: a vision of a brighter tomorrow."

Why was this institution of education established? The answer is clear: because good men and women believed that education and, in this instance, higher education was absolutely essential to the prosperity and well-being of the Missouri society.

Thirty-one years later, in 1870, the University's Rolla campus came into being, dedicated initially to mining and later engineering and the arts and sciences. There was little to suggest that a significant engineering-oriented American university — the Rolla of 1985 — would emerge from a tiny school in a small town in a state still searching for its identity.

Almost 100 years later, the contemporary profile of the University of Missouri came into place. The University of Kansas City, a struggling confederation of underfunded schools built around the noble vision of service to the metropolitan Kansas City area, became the University of Missouri-Kansas City. Two hundred and fifty miles to the east another great American city, hungry for the opportunities and benefits of public higher education, helped give birth to the University of Missouri-St. Louis.

For all of these campuses, and for the University's extension programs that extend

the fruits of its knowledge, there was a vision of a brighter future built around the unique contributions that flow from higher education. One guiding idea was the unifying thread behind the establishment of each of the University of Missouri's campuses and programs: a vision of a brighter tomorrow.

"Let us never forget that people contribute to progress; people have ideas and dreams; and people are our society's greatest natural resource — and, with education, are a perpetually renewable resource."

Ladies and gentlemen, that is the vision we celebrate today. The purpose of this gathering is not legally to install a university president, for I have already been about this work for some 100 days. Nor is it to celebrate one individual who regards himself as fortunate to serve you. It is, rather, to acknowledge and celebrate the potential of the University of Missouri to contribute even more to this quintessential American state — Missouri! — that gives this university its name and its essential character.

I have a vision of this University and its state as essential partners in the enterprise of education. It is a vision that recognizes the indisputable fact that all education in Missouri, elementary, secondary, collegiate, public and private, is part of a weave, a fabric that is either strong or weak. And I submit that weakness in any part of the fabric of education in Missouri weakens all of education and the state itself.

The point and the principle are obvious: Not only must all of higher education work together on behalf of service to the state of Missouri, but institutions of higher education in Missouri must also join hands in building new patterns of collaboration. We must knit more closely higher education and our elementary and secondary schools. We should examine ways to improve teacher education and make it a national model for revitalization and creative linkages between our colleges and universities and our elementary and secondary schools. In this fertile field of endeavor, of great interest to our governor and legislators, my hope is that the University of Missouri could provide leadership.

Just as the vision of a better tomorrow focused on a stronger set of contributions by higher education to Missouri must involve specific attention to local needs and local issues, so also must that vision encompass the University's international role. Missouri, ranking 12th in total exports, is strategically linked to international markets. This linkage promises a vibrant and prosperous future if the state actively pursues international opportunities for commerce, business and educational exchange. Not only do we profit as individuals from international contacts and exchanges, but our economic and cultural interests are involved. Our agribusiness, our high-technology corporations and our manufacturers are linked to international markets. My vision for tomorrow is a University of Missouri contributing to the state's prosperity and development through imaginatively conceived and carefully defined international educational undertakings.

Above all this is a land-grant university. It is a university in which extension is a major commitment and not a sideline. This University emerged, as did its brother and sister universities, from a mutuality of interest between the federal government and the states. It is built around the concept of partnership and collaboration on behalf of the state's long-term and most fundamental

interests.

Our task, openly and proudly, must be the education of men and women, both younger and older, in the arts, the humanities and the sciences. Let us never forget that people contribute to progress; people have ideas and dreams; and people are our society's greatest natural resource — and, with education, are a perpetually renewable resource. Our calling is to promote creativity, scholarship and inquiry in an atmosphere of openness and robust freedom; and that is done by valuing both thinking and the freedom to think, to debate, to discuss and to question. We must never apologize for our commitment to the arts and sciences of learning and to creative, unbridled thinking. Our progress depends upon it.

But also without apology, we are comfortably a land-grant university, a practical kind of place, that extends all of its knowledge and its research to pursuits that are of specific, if not always immediate, economic and social benefit to its state. And that, in my unvarnished judgment, is ultimately the most fundamental mission of the University of Missouri.

My premise is straightforward: No state can prosper and grow without a strong, public research university, allied with all other sectors of higher education, promoting research and service. There are other rich and much needed hues and textures in the colorful fabric of Missouri higher education. But there is only one University of Missouri, only one public research university. I submit the following thesis: a weak University of Missouri, a weak Missouri; a strong University of Missouri, a strong Missouri.

"The University of Missouri is a demonstration university; a university that shows and leads by doing."

Our prosperity and momentum depend on three sets of action:

First, the citizens of Missouri, working with their highly representative and effective state government, must actively support progress toward a better tomorrow.

Second, the University must become unified, in deed, in thought and in day-to-day assumptions, not just unified through a legal charter that creates a single University of Missouri. This is essential. It is one of my personal commitments: a unified University of Missouri, rejoicing in the strength that its diversity focused on common objectives can bring for the sake of its students and state. Such a university can accomplish wonders. The flags of all four of our campuses must fly high, waving brightly to signal a unified University of Missouri serving under the higher flags of the state and nation.

Third, our state and its leaders and its citizens must have the faith and the vision and the courage to put in our hands — hands eager to work — the implements, the investments, that are essential if the University of Missouri is to provide even greater and more effective service to our society and economy.

Here is how I see the state of Missouri. It is a state third in population west of the Mississippi; a state rich in history and tradition; a state with extraordinarily hard-working men and women. It is a state blessed with corporate and industrial concerns, many of whom are seeing new opportunities and possibilities in our region. It is a state with diverse institutions of higher learning, all eager to contribute even more to their state and communities. It is one of America's leading agricultural states, and, despite all of the agonies that some of the agricultural

sectors and families experience, American agriculture is still the pride and envy of the world. Its strength and nurturing through education and research is absolutely critical to our state's and nation's future.

Here is a state where high technology, in agriculture, in biology, in engineering, in medicine and the health sciences and in electronically oriented fields, has genuine strengths and even greater potential. Here is a state attractive to tourists thanks to its natural beauty and the genuineness of its people. Here is a state with a strong minority population, eager and anxious to participate creatively and more fully in building Missouri's future. Here is a state through which two of America's greatest rivers flow, a state blessed with excellent communication and transportation linkages. Here is a state characterized by two dynamic urban areas, Kansas City and St. Louis, and others, surely Columbia and Springfield among them, that are moving rapidly. Above all — and have we thought about this? — Missouri is centrally located, central in America, ready and able to fulfill finally its destination as one of our nation's leading states.

The University of Missouri is a demonstration university, a university that shows and leads by doing. In the arts and sciences and humanities that build for tomorrow's world, and so very visibly and tangibly in agriculture, business, engineering and the health and life sciences, it can — if given the tools — lead the way to an even more exciting Missouri. The curators, through the imaginative yet practical long-range plan that they wisely insisted be developed, have charted a course for this University's future. The objective is summarized perfectly in the title they chose for their plan, "Toward Excellence;" this pursuit of excellence represents the only vision worthy of the University of Missouri.

Although still learning my way as a newcomer, I have already enjoyed meeting thousands of Missourians in this marvelous state. I asked a few citizens what the University means to them. Here is what I learned:

A citizen faculty member from the Department of English at the Rolla campus, Dr. Elizabeth Cogell, said: "In a single word the University means to me opportunity — for young people to be educated, giving them the ability to consider various viewpoints and to make a just decision on these viewpoints."

A citizen student majoring in music at the University of Missouri-St. Louis, Gina Turner, told me this: "I enjoy UMSL and my work in music; it's a very personal kind of place where I get to know the professors."

A citizen farmer from Boone County and former curator, John Sam Williamson, reported: "The greatest thing about the University — for me — was the land-grant opportunity to go to college for a farmer." And he added, "There is a great advantage in the opportunity of the extension service for the farmers — to bring the research from the University, and the current counselling on economic conditions."

And here is what a Kansas City citizen businessman, Bert Berkley, told me: "I look upon the University as a major factor in the growth of this community and a better economic base; it's doing exciting new things in Greater Kansas City."

These four men and women believe in the University of Missouri. I believe in it and in its vital, exciting, role in our future. Please join me, as I join them and countless other Missourians, in working together to make real the vision of excellence, of progress, and of a brighter tomorrow — for Missouri.

I conclude as I began:

**We have to-morrow
Bright before us
Like a flame.**

Cooperative extension names new director

John W. Oren, director of the New Mexico Cooperative Extension Service, has been named UM associate vice president for academic affairs (extension) and director of



John W. Oren

the Missouri Cooperative Extension Service, effective July 1. He will also serve as vice provost for extension on the UM-Columbia campus.

Oren succeeds Leonard Douglas, who retired Feb. 28. James Summers, associate director of cooperative extension, is serving as acting director and vice provost.

Oren, 48, has served five years as director of the New Mexico Cooperative Extension Service and associate dean of the College of Agriculture and Home Economics at New Mexico State University in Las Cruces.

"We are extremely fortunate that a person of Dr. Oren's ability and experience has agreed to accept the important role of directing Missouri's cooperative extension staff and programs at such a critical time," said Jay Barton, UM vice president for academic affairs, in making the announcement last week. "With the recent completion of the University's long-range plan and its implications for the University's basic missions — teaching, research, extension and public service — Dr. Oren, along with his staff, has a tremendous opportunity to shape the way Missouri Cooperative Extension will

serve the state and its people as we approach the 21st century."

UM President C. Peter Magrath will introduce Oren to the UM system Board of Curators at its May 2 and 3 meeting in Rolla.

Oren began his professional academic career in 1958 as a vocational agriculture teacher with the Buckeye Local Schools in Ohio. He also farmed until 1965, when he joined Ohio State University as a county agricultural extension agent and county chairman. In 1969, he became administrative associate to the extension dean and director at OSU. Two years later he was named assistant professor and program leader for agricultural industry at OSU.

In 1974, Oren was appointed head of the agricultural and extension education department at Mississippi State University, where he served for five years until moving to New Mexico State University to become associate director of the New Mexico Cooperative Extension Service. He was named director a year later.

Oren received three degrees in agricultural and extension education from Ohio State University — a bachelor's degree in 1958, a master's degree in 1963 and a doctorate in 1970.

Campuses initiate on-line student registration

By Bud Carlson

UMca University Relations

After two years of planning and with little fanfare, the University of Missouri system this semester began using on-line computer registration of students.

The new computer registration system is designed to improve record keeping and to relieve the long lines that have been traditional during registration. According to UM-Columbia registrar and director of admissions Gary Smith, "The old system was inefficient, ineffective and costly. It was card-oriented and very antiquated."

Smith, who also chaired the four-campus steering committee that developed the on-line computer registration process, says the new system will not only save students, faculty and staff valuable time but will make course schedules and fee statements more accurate. "Students will know when they leave registration exactly what classes they have and how much it will cost."

The estimate for designing, developing and testing the system is \$272,000. The actual cost is expected to be significantly under the estimate. Each campus has bought new equipment or is using existing terminals and printers for registration. The cost of operating on-line computer registration should not exceed the cost of operating the former registration system, Smith says.

The entire system, which is still in the testing stage, was developed internally with all four campuses using a common core system with four campus databases tied into computer facilities maintained by the central administration. Planning was tailored to each campus' needs. This flexible approach allows each registrar to use any of the system's features, says Barbara Wattenbarger, UMca systems manager for computing and information systems.

The Columbia, Kansas City and St. Louis campuses use similar registration systems while the Rolla campus uses the system more as a planning tool for class scheduling.

The general registration system followed by UMC, UMKC and UMSL is to provide pre-printed course schedule forms, with registration appointment times, to students, who meet with their advisers to select classes and alternative classes. Students obtain a dean's approval, when required, before going to registration at their appointed times.

Depending on the individual campus, the student is either given a printed copy of the schedule and a fee statement after re-

gistering, or schedules and statements are mailed to students later.

So far the computer registration system has eliminated long lines of students. It was originally estimated it would take an average of four to six minutes to move each student through registration. If there are no problems, however, a student can be registered in less than two minutes. One UMKC student, however, complained about the speed, saying he missed waiting in line where he could catch up on campus conversation, reported UMC registrar and director of admissions Leo Sweeney.

The Rolla campus uses the system more for pre-registration. Students drop their schedules in the registrar's office for entry into the

computer. A course request tally is kept and departments are given the opportunity to meet the demand for courses or cancel unwanted ones. When course offerings are finalized, the system selects courses and sections for the student.

In using the system in this manner, UMR registrar Myron Parry says, "We feel we have a better planning tool. Students get the classes they want, and advisers deal with students in a one-week period only." UMR will use the on-line system this summer to register freshmen, transfer students, students in the Graduate Engineering Center on the UMSL campus or students in low-volume residual registration situations, such as drop and adds.

Veterans asked to notify offices

The statement below was submitted by Karen Cottledge-Touzeau, director of employee relations and affirmative action. Federal regulations require annual publication of this notice.

The University of Missouri is a government contractor subject to Section 503 of the Rehabilitation Act of 1973 and Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, which require government contractors to take affirmative action to employ and advance qualified disabled veterans, veterans of the Vietnam era and handicapped individuals.

As part of the University's affirmative action program, we are asking handicapped employees, disabled veterans and employees who are Vietnam era veterans to identify themselves. This information is voluntary and will be kept confidential. If you are a Vietnam era veteran, a disabled veteran or if you have a handicap and have not previously informed the University of this, please contact your campus affirmative action or equal opportunity office listed below:

Columbia — Alton Zanders, director, equal opportunity, 217 Jesse Hall, (314) 882-7885.

Central administration — Karen Cottledge-Touzeau, director, employee relations and affirmative action, 215 University Hall, (314) 882-8219.

Kansas City — Sandra Walker, director, affirmative action and academic personnel, 221 Scofield Hall, (816) 276-1324.

Rolla — Catherine Jenks, director, university relations and affirmative action, 207 Parker Hall, (314) 341-4117.

St. Louis — Lois VanderWaerd, affirmative action officer, 405 Woods, (314) 553-5695.

Jobs

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

UMC: associate dean for academic affairs, graduate school; asst. professor, neurology, child health (2), library science, food science/nutrition, higher/adult education, pathology, marketing, pharmacology, recreation/park administration, mechanical/aerospace engineering; asst./assoc./full professor, mechanical/aerospace engineering (2); asst./assoc. professor, physiology, surgery, electrical/computer engineering, recreation/park administration, medicine (4), entomology, speech pathology/audiology, nuclear engineering, microbiology, child health; assoc./full professor, higher/adult education, neurology; postdoctoral fellow, microbiology (2); asst. instructor, broadcasting; clinical asst. professor, neurology; sr. research analyst, family/community medicine; librarian I/serials cataloger; instructor/asst. professor, extension education; clinical instructor/asst. professor, family/community medicine; clinical asst. professor, medicine; administrative associate I; cultural heritage projects coordinator; director, campus computing; TV producer; manager, agronomy, technical services; residence hall coordinator; sr. accountant; sr. information specialist (2); asst. vice chancellor, development; staff physician; student services adviser; supervisor, bookstore. **UMca:** computer programmer/analyst II; construc-

tion project manager (3); coordinator, administrative system education/analysis; accountant; manager, customer services printing, printing production; sr. fiscal analyst.

UMC Hospital: asst. manager, patient financial services; education nurse I; manager, audiology/communication disorders, ambulatory surgery, physical therapy; asst. division director (2); sr. information specialist; learning skills specialist; staff development coordinator; occupational therapist; physical therapist.

UMKC: grader, business/public administration; research assistant, chemistry (2), biology; asst./assoc. professor, removable prosthodontics, dental hygiene, X-ray dentistry, operative dentistry, removable/fixd prosthodontics, endodontics, accountancy; visiting professor, theater; adjunct faculty, biology; instructor/asst. professor, communication studies; research associate, Institute for Human Development; laboratory assistant, chemistry; theater assistant (10); instructor, geosciences; lecturer, chemistry, computer science, earth science, history, engineering; choral director, Conservatory of Music; music history teacher, Conservatory of Music; asst./assoc. professor/director of bands, Conservatory of Music; librarian II/head of reference; librarian I/asst. dental; clinical faculty, dentistry; asst./assoc./full professor, computer science; intern, education; coach, volleyball, soccer; asst. vice chancellor, stu-

dent affairs; director, medical school.

UMR: asst./assoc. professor, mathematics/statistics; asst. professor, music/band director, electrical engineering (2), mechanical/aerospace engineering; visiting professor, electrical engineering; assoc. professor, electrical engineering; producer/director, radio; radio producer; supervisor, hazardous material.

UMSL: asst. professor, marketing, behavioral studies; assoc./full professor, marketing; asst./assoc. professor, computer science; visiting asst. professor, political science; asst./assoc./full professor, management science/information systems.

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