

MIZZOU

W E E K L Y

University of Missouri - Columbia / March 31, 1993

ON THE INSIDE

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Getting feedback

New UM System guideline requires annual reviews of all faculty members.

A new executive guideline clarifies the requirement of annual reviews of all faculty members. The guideline was issued this winter by UM System President George Russell. In most cases, the review may take the form of a discus-

sion between a tenured faculty member and his or her department head or dean. Performance over the past year will be discussed, as well as plans for the coming year. Annual written reviews will be required for all untenured faculty.

"I think what we're trying to do is ensure that there is fairness in terms of judgments about performance," says Provost Gerald Brouder. "This is a way to ensure accuracy in making judgments about merit."

"In the past, evaluations in some units have been informal and subjective. We would like to make them a little more objective." He adds that faculty members have a right to "clear, cogent, objective evaluations based on criteria."

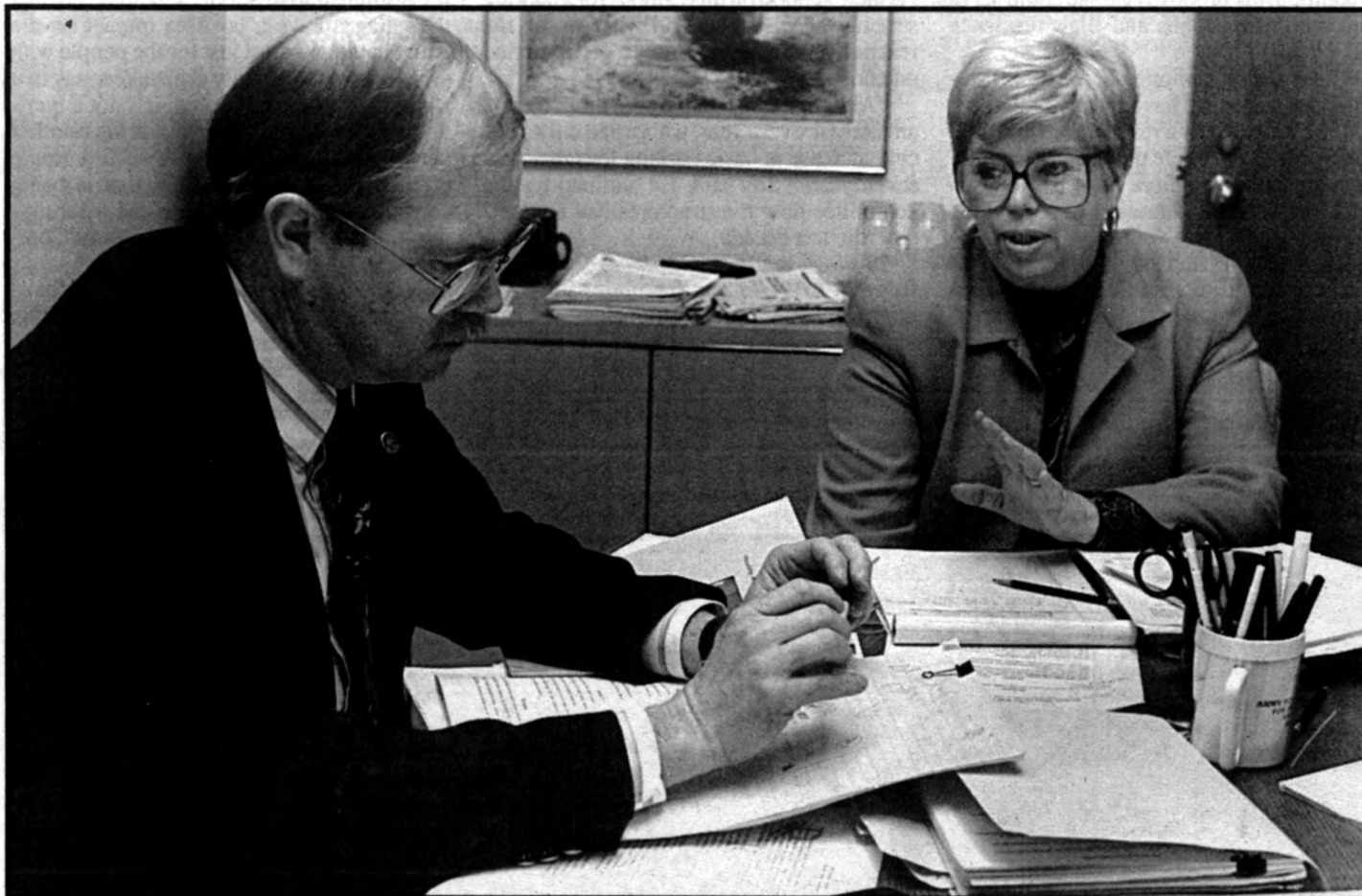
Ed Hunvald, professor of law and Faculty Council chairman, says that in most cases reviews should already be taking place. "I think for most faculty there won't be any problem," he says. While the overwhelming majority of faculty are dedicated and hardworking, he says there have been occasional examples of faculty members who don't do their jobs.

The guidelines give departments a way to make sure people are performing adequately. "There should be a method

short of bringing charges to deprive people of tenure. That's the last step," Hunvald says. He doesn't see the new guidelines as an attack on tenure. "Things like this will prevent that from occurring," he says, adding that a faculty task force is studying tenure issues.

The new guideline calls for written evaluations when there are "concerns about substantial shortcomings in performance" of tenured faculty. It also notes that "the preferred course of action is to deal with such individual problems before dismissal for cause is necessary. Deans and department chairs have primary responsibility for dealing with such instances both before and after they develop."

As part of the annual evaluation process, each UM System campus will develop formal procedures. Deans will report to the chancellors whether tenured faculty in their divisions have performed in such a way that there are grounds for termination for cause. In those instances, the report will include steps being taken to deal with the situation, such as specific performance requirements, treatment for particular problems, new duties, support to develop new skills, and dismissal for cause.



Co-leaders of the MU Health Sciences Leadership Group, Rich Oliver, left, and Toni Sullivan, discuss an upcoming conference on rural health care.

Nancy O'Connor photo

Oliver hope that the Health Sciences Leadership Group will be able to influence curriculum reform that leads to better learning. "Right now we train our various professionals in isolation, then expect them to work together after they graduate," Oliver says. "I can envision us introducing collaborative practice teams that would involve students from various disciplines — nursing, physical therapy, social work and family medicine, for instance." The two also see possibilities for more rural health care intensive courses. "Many of us would like to see 30 or 40 percent of our students going into rural health care, rather than 15 or 20 percent," Sullivan says. "Perhaps we can develop some measures to encourage that."

Other members of the group are Richard Adams, interim dean of veterinary medicine; Jane Adkinson, assistant professor of social work; Gordon Brown, professor and chairman of health services management; Lester Bryant, dean of medicine; Bob Daugherty, clinical professor of health services management; Judith Davenport, professor and director of social work; Bob Frank, professor of physical medicine and rehabilitation; Gail Gates, assistant professor of food science and human nutrition; Ted Groshong, associate dean of medicine; Howard Kincaid, associate director at University Hospital and Clinics; Laurie Mills-Wallace, associate professor of veterinary medicine and surgery; Donna Otto, associate operations director at University Hospital and Clinics; Rose Porter, associate dean of nursing; Mike Prewitt, associate director of health related professions; and Vincent St. Omer, professor of veterinary biomedical sciences.

Sullivan and Oliver say the group has been received favorably. Provost Gerald Brouder addressed the committee in January, and Ed O'Neill of the Pew Commission paid a visit last fall. The group has drafted a vision statement that it hopes to present to the Board of Curators. "We want our students, faculty, staff and administrators to be change agents for health care in the future," Sullivan says, "and the best way to do that is to work together."

Toward the common good

Leaders of MU's health sciences units coordinating efforts through new group.

In politics and comedy, they say, timing is everything. A new group on campus is not connected with either category, but its timing seems perfect nonetheless.

Toni Sullivan, dean of the School of Nursing, and Rich Oliver, director of the School of Health Related Professions, have formed the MU Health Sciences Leadership Group with 15 other faculty, staff and administrators. Right now they're busy planning a statewide conference this summer that will focus on rural health care. But members are well aware that health care in general has become a leading national issue over the past several months — thanks in part to the task

force led by Hillary Rodham Clinton — and they stand ready to lend their expertise to any regional initiatives.

"There have been some issues — such as primary care versus specialized care — that have begged for solutions in recent years," Sullivan says. "Yet, when we started talking about forming this group last year we didn't know that health care would be drawing such national attention."

The primary reasons for organizing the committee were much more basic. "We realized that our various health sciences units had a common goal, but we weren't working together," Oliver says. "There were occa-

sional turf battles that could have been avoided. We weren't coordinating our planning efforts. This is an attempt to improve in those areas."

The conference the group is planning, "Developing an Agenda for Action for Missouri Rural Health Care," is tentatively scheduled for June in Columbia. More than 250 health care officials, legislators and community health leaders from across the state will be invited to the event. Co-sponsorship is being sought from the Pew Foundation's Health Professions Commission.

"This is our chance to position MU as a leader in rural health care reform," Sullivan says. "We want to let Missouri communities know we're here to help." The two are encouraged by Chancellor Charles Kiesler's comments that he'd like to see Mizzou become a national leader in this field. "This conference can help us create a health care agenda for the University," Oliver adds.

Beyond the conference, Sullivan and



SPRING FORWARD, FALL BACKWARD

Daylight Savings Time begins at 2 a.m. this coming Sunday, so remember to set your clocks ahead one hour before retiring that night. In a sense you'll lose an hour in the process, but will gain it back in the fall. When it comes to changing your clocks, remember the motto: "Spring forward, fall backward."

KAHRS TO SPEAK AT APRIL 3 EVENT

The University community is invited to the formal dedication of Clydesdale Hall, MU's new veterinary teaching hospital, at 10 a.m. April 3.

Ceremonies will be at the large animal entrance on East Campus Drive, and the keynote speaker will be retired Dean Robert Kahrs, now a director at the USDA's National Center for Imports and Exports. An open house will follow, with students leading tours.

The structure, which has opened in stages over the past few months, brings the college's equine, food animal and companion animal clinics into one building.

FREE COURSE COVERS CHINA

If you've ever wanted to learn more about China, MU's Center for International Programs and Studies and Stephens College has a deal for you.

A two-week intensive Chinese language and culture program will be held May 19 through June 2 in Dudley Hall on the Stephens campus. The times of the class are from 9-11 a.m. and 1-3 p.m. Monday through Friday. There is no charge.

"The program is designed to enable participants to communicate and comprehend elementary Chinese, and also will provide a chance to learn about the culture of contemporary China," says Stuart Blossom, graduate assistant at the international programs office. To register, call Blossom at 882-6367.



Parking committee considers new garage

Over the next several months, MU's parking advisory committee will explore the feasibility of a new parking garage on the south side of campus.

Campus planners are looking at a location between the Mid-Missouri Mental Health Center and Laws Hall. That site currently is a surface parking lot, HSC2, that serves 350 faculty and staff at the Health Sciences Center.

A 1987 study concluded that at least 1,500 cars could be accommodated in a garage at that location, Jim Joy, director of Parking and Transportation Services, told parking committee members March 24. Joy stressed that no final decision had been reached on the number of spaces the proposed garage would contain.

"Whatever number it was, we could fill it tomorrow," Joy said. "I can honestly say there's a serious need for more parking in that area of campus."

A garage there would provide spaces for the 600 Health Sciences Center employees who currently park across a busy Stadium Boulevard in the Hearnes Center parking lot. In addition, the proposed garage could serve students in the Dobbs and Blair residence hall groups.

Those five dormitories house 1,500 students, but currently have only 300 parking spaces available. As a result, more than 100 students who live there park near Memorial Stadium; hundreds more have parking assignments in the commuter lots around the Hearnes Center.

Joy and Don Graham, associate director of Residential Life, said they both field numerous complaints from students and parents who worry about safety in the Hearnes area at night. "To have to park at Hearnes is very, very threatening to parents and students," Graham said.

"All of this has a domino effect," Joy said.

"The parking situation is impacting events at the Hearnes Center. They have trouble booking day events there because of parking. It's a tremendous problem in that whole area."

Joy also said no decision has been made on how much parking fees would increase for next year. Because interest rates are at their lowest point in years, he said the timing might be right to save on revenue bonds that would finance the garage.

"We're asking two questions," he said. "Is there support on this campus for a parking structure in that area, and what would the reaction be to a fee increase to get us started on another garage?"

"Although most employees think there's an increase every year, we've had only a 60-cent increase in basic parking fees in nearly seven years," Joy said. He outlined for the committee how fee structures had changed over the last decade.

In 1984 the cost of parking increased from \$4 to \$7 to pay for major improvements to surface lots. "Until then we were barely keeping up with patching the potholes," Joy said. "Now, we spend \$300,000 to \$400,000 every year on parking lot improvements — tearing out and rebuilding foundations, putting in lighting, drains and

paving. That's over and above basic maintenance."

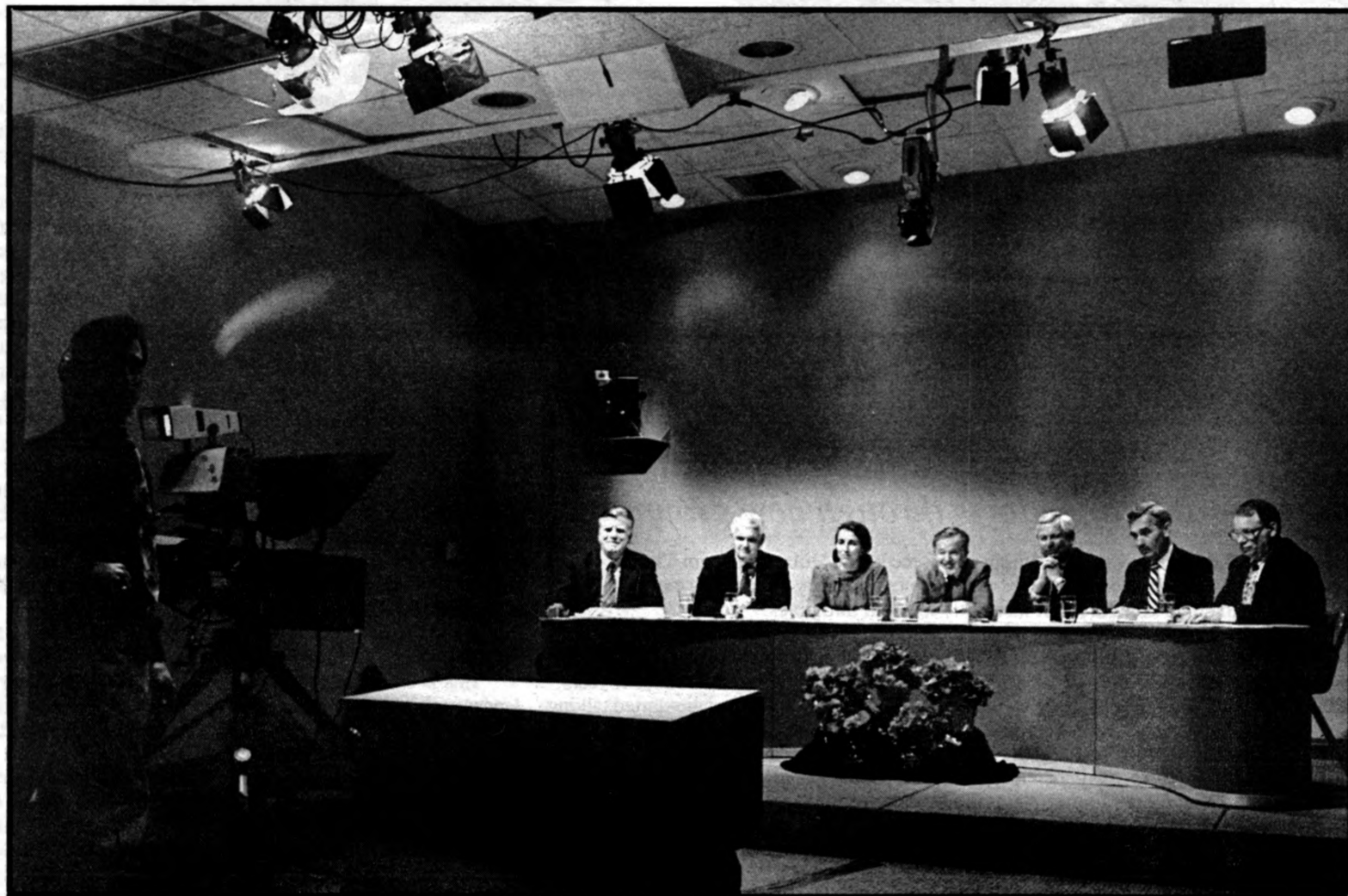
In 1987 the fee went up to \$10.50 a month to help underwrite the cost of building the Conley Avenue and University Avenue garages. Basic parking fees increased in 1989 by 60 cents a month, to \$11.10. That money, along with other funding, allowed the Turner Avenue garage to be built. At the same time, a \$2.50 monthly surcharge was added for people who park in the garages.

Jackie Jones, associate vice chancellor for Administrative Services, pointed out that the garages have a positive impact on the entire campus — not just for the people who park in them. "It's really a mistake to say that a garage is just for one area. It's not a question of one part of campus versus another part," Jones said. "There is such a ripple effect. The parking structure that is being considered will help people in the Ag Building, the Memorial Union and Brady Commons."

Verna Rhodes, parking committee chairwoman and associate professor of nursing, said the group will continue to discuss pros and cons of a garage at that location. "It's a long-term issue that has a lot of implications for safety and productivity," Rhodes said.

Panelists await their cue for a teleconference March 12 at the Academic Support Center. The conference of the curators' advisory committee on telecommunications technology dealt with rural health-care delivery. Panelists for the teleconference were, from left, Curator James McHugh; Ronald Turner, chief of staff in the Office of the President; Colleen Kivlahan, director of the Missouri Department of Health; Jack Colwill, professor and chairman of MU's Department of Family and Community Medicine; Lowell Mohler, executive secretary of the Missouri Farm Bureau; MU Provost Gerald Brouder; and Ralph Caruso, chief information officer for the UM System.

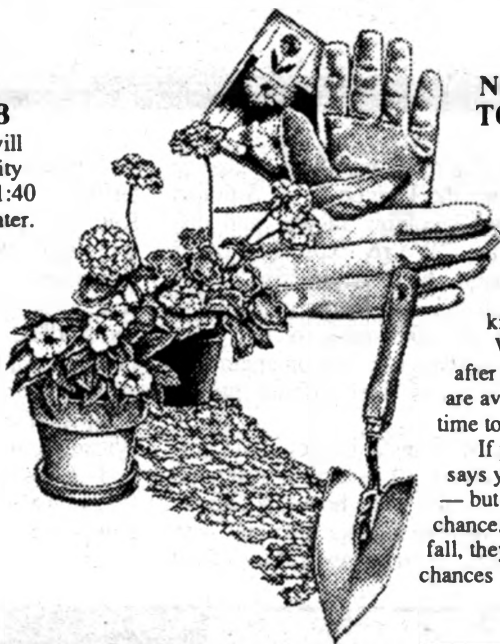
Rob Hill photo



KIESLER TO SPEAK TO UNIVERSITY CLUB

Chancellor Charles Kiesler will address members of the University Club at a luncheon meeting at 11:40 a.m. April 8 at the Reynolds Center.

Kiesler's topic is "Building a Great University," and members and non-members are invited. The cost is \$8. To reserve your spot, call 882-2586 by April 5.



NOW'S THE TIME TO ACT ON CRABGRASS

Control of crabgrass should be among the first concerns of every homeowner, and now is the time to take care of it, says MU horticulture specialist Ray Rothenberger.

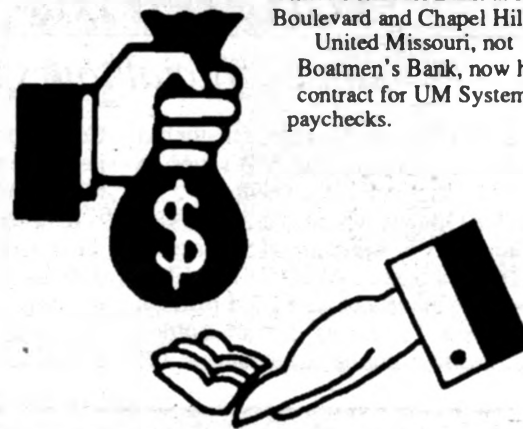
"This is the time to apply pre-emergence chemicals," he says. "Don't wait, or the crabgrass will germinate and the chemicals won't kill it."

While you're after crabgrass, you might as well go after dandelions and plantains. "Combination chemicals are available for all of them," he says. "And there's still time to prune. Do that before the leaves come out."

If you forgot to put in bulbs last fall, Rothenberger says you may as well put them in the ground this spring — but don't expect too much. "At least that gives them a chance," he says. "If you keep the bulbs around until next fall, they probably won't survive. You'll have your best chances with daffodils and, to some extent, crocuses."

UNITED MISSOURI WILL CASH CHECKS

For those employees without a checking account or direct deposit, University paychecks may be cashed at the United Missouri Bank at Forum Boulevard and Chapel Hill Road. United Missouri, not Boatmen's Bank, now has the contract for UM System paychecks.



Deans will survey operational costs

MU's deans are being asked to complete surveys over the next month to help determine the operational costs of each department within their school or college. The information will help administrators make budget decisions, Provost Gerald Brouder told the Council of Deans March 26.

Information will include such things as

will be followed later by an aggregate review of each school and college. "It may be difficult to do the departmental review in cases where the units are interdisciplinary," said Roger Mitchell, dean of agriculture, food and natural resources. "How would you assess the core facilities in molecular biology, for instance?"

The provost replied that the aggregate reviews would answer some of those questions. "We realize there will be special cases, and we will take those into account," Brouder added.

"It is important that we pin down some figures. What does it cost to run the School of Jour-

nalism, for instance? Obtaining such data will enable us to establish variables that will bring greater rationale to budget decisions."

In other news, the deans:

■ reviewed the March 18 Board of Curators' decision to designate all UM System campuses as "selective" — the second most demanding of four categories — in admitting freshmen beginning in 1997. Brouder said he did not think the decision would have a profound effect on MU, but it could affect enrollment at other campuses. Of all colleges and universities in Missouri, only Northeast Missouri State has chosen the "highly selec-

ive" category, and only Central Missouri State has failed to select a category.

■ were reminded that units will have the option of adopting summer hours between May 17 and Aug. 13 this year. Brouder noted that summer hours — which generally run from 7:30 a.m. to 4 p.m., with a half-hour lunch — are considered a good benefit by staff. "Some offices may need to stay open until 5 p.m., but we hope you will accommodate summer hour requests when possible."

■ were asked to think about what type of long-range planning structure they would like to see at MU. Brouder pointed out that Chancellor Charles Kiesler favors a bottom-up approach, where planning begins at the departmental level. "But beyond that, when we talk about a campuswide effort, we need to determine what we want," the provost added. "I am seeking your advice."

'It is important that we pin down some figures. What does it cost to run the School of Journalism, for instance?'

— Provost Gerald Brouder

square footage of office, classroom and laboratory space; teaching loads of faculty members; and numbers of teaching assistants and students served. Department heads will be asked to define their unit's primary teaching responsibility and the principal type of student being taught; to make a case for their unit based on state and national needs; and to provide comparable data from other institutions. The reports are to be completed by April 30; budget planning will be in May and June.

Brouder noted that his office has some of this information already and will pass it along to assist the deans. The departmental reviews

Expert on assessment, minority issues to speak

Michael Nettles, an educational psychologist at the University of Michigan, will speak here April 27 on assessing competencies and knowledge in the college years.

Nettles is appearing at the invitation of Chancellor Charles Kiesler. The MU community is encouraged to attend.

A national expert in higher education research on assessment and minority issues, Nettles holds a joint appointment at Michigan as professor of education and public policy. He formerly was vice president for assessment at the University of Tennessee.

Nettles, who is black, has broad interest in minority access, achievement and assessment. He has done extensive consulting work, including an evaluation in 1992 for the Ford Foundation on accountability development programs in colleges and universities in South Africa. Ten years ago he developed a plan for increasing black enrollment and for providing equality in academic services and student affairs at Vanderbilt University. As part of a project for the Educational Testing Ser-

vice, Nettles assisted Hispanic colleges and universities in developing plans for assessing student development.

He has 27 published articles to his credit, and has presented 18 conference papers. Nettles, who holds three degrees from Iowa State University and one from the University of Tennessee, is a member of the American Educational Research Association, the board of the Association for the Study of Higher Education, and is on the boards of editors of *The Journal of Negro Education* and *The Review of Higher Education*. He also is on the editorial board of *The Journal of Higher Education*.

The lecture will be at 3:40 p.m. April 27 in the Engineering Building West Auditorium, and the title is "Defining and Measuring Quality in Colleges and Universities: A Need to Rethink Testing and Assessment for the 21st Century."

Currently, Nettles is organizing a national symposium, "Equity and Education Testing and Assessment," with the support of the Ford Foundation.

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MISSOURI ALUMNUS

Closing is April 23; publish date is June 3.

Senatorial visit

Romanian official tours the campus.

For the first time, a Romanian senator has visited the University. And MU's ties to Romania are stronger as the result.

Paun Ion Otiman, who also is a professor at the University of Agricultural Sciences of Banat, Timisoara, spent March 18 and 19 on campus and came away with good feelings about Mizzou. "I feel as if I am among friends," he said during a meeting at the

Center for International Programs and Studies. "The people here have been very warm to me, and I am deeply touched."

During his visit, discussions were held on the possibility of bringing a Romanian scientist to Mizzou for six months to a year to study molecular biology procedures as they apply to agriculture. John Heyl, director of international programs and studies,

noted that MU already has three exchange programs with the University of Sibiu in Romania, two involving faculty and one with students. "We're exploring other ways to expand the relationship," Heyl said, adding that visiting scholars have come to Mizzou from Romania in recent years and an informal program in Romanian language and culture is being offered this semester.

Gheorghe M. Constantinescu, MU professor of veterinary biomedical sciences, and his wife Ileana were hosts to Otiman during his visit. The senator also met with Roger Mitchell, dean of agriculture, food

and natural resources; Richard Adams, interim dean of veterinary medicine; James Rikoon, resident assistant professor of rural sociology; Michael Smith, professor of animal sciences; Mary Hartigan, grants and contracts specialist for international programs and studies; and Robert Marshall, Arbuckle Professor of food microbiology.

The Romanian official was here as part of a trip that also took him to St. Louis and Washington, D.C. Heyl presented Otiman with a framed certificate and helped him fasten an MU lapel pin to his suit coat, adding with a smile, "We're happy to make you a Tiger."



Romanian professor and senator Paun Ion Otiman, center, talks with John Heyl, left, and Gheorghe Constantinescu about possible exchange programs.

Nancy O'Connor photo

Research Board awards boost scholarly activity

MU faculty received nearly \$900,000 in research funding during the second round of awards from the University of Missouri Research Board. In this round, the board awarded a total of \$1.1 million to researchers across the UM System.

The awards were initiated last year by President George Russell, who provided a \$4 million budget for this academic year. So far, \$2.1 million has been awarded. Two more rounds of awards will be made in May and June.

Proposals are screened through a peer review system. Nearly 70 research proposals were received from MU faculty; of that number, 29 were approved.

Mizzou faculty who received financial support during this round of awards from the UM Research Board are:

E. Andrew Ballas, assistant professor of health services management, "Registry of Clinical Information Service Trials," \$48,629.

Alley Butler, assistant professor of mechanical and aerospace engineering, "Paral-

lel Computation for Fuzzy Computer Aided Design," \$27,700.

Juanamaria Cordones-Cook, assistant professor of romance languages, "Andres Castillo's Black Uruguayan Theatre," \$16,000.

David Dubois, assistant professor of psychology, "Self-Esteem and Adaptation in Early Adolescence," \$30,000.

Suat Ertem, assistant professor of electrical and computer engineering, "An Optimal Economic Dispatch Expert System," \$15,849.

Daniel Frye, assistant professor of fine arts and of curriculum and instruction, "Global Art Resources Guides: African American Artists," \$6,750.

H. Allen Garverick, professor of animal sciences, "Apoptosis During Regression of Ovarian and Follicles," \$44,190.

Adam Helfer, assistant professor of mathematics, "Quantum Fields in Curved Spacetime," \$9,000.

Michael Henzl, assistant professor of biochemistry, "Microcalorimetric Studies

of Rat Oncomodulin," \$48,000.

Daniel Hooley, assistant professor of classical studies, "The Poetics of Imitation in Persius," \$7,500.

Hui-ming Huang, assistant professor of pathology, "Mapping of Tumor Suppressor Genes in Breast Carcinoma," \$44,500.

John Klein, assistant professor of art history and archaeology, "Identity and Society in the Portraits of Henri Matisse," \$13,600.

Douglas Krull, assistant professor of psychology, "Personality Correlates and Attributions of Causality," \$20,000.

Maurice Laughlin, professor of veterinary biomedical science, "PPG Initiative: Coronary Adaptations to Exercise and Eschemia," \$50,000.

Howard Marshall, professor of art history and archaeology, "Historic Buildings of Scotland: The Upper Avon Valley," \$17,000.

Sandra Petersen, assistant professor of anatomy and neurobiology, "Colocalization of Cfos with LHRH and GABA Receptor MRNAS," \$29,909.

Joseph Polacco, associate professor of biochemistry, "Plant Cooperation in Bacterial Urease Synthesis," \$50,000.

Thomas Quinn, assistant professor of biochemistry, "De Novo Design and Structural Analysis of B-Sheet Proteins," \$24,450.

Tod Schachtman, assistant professor of psychology, "Models of Learning: Processes

Underlying Cycle Timing," \$12,249.

Elmer Schlemper, professor of chemistry, "Acquisition of Macromolecular Crystallography Equipment," \$125,000.

James Seaba, assistant professor of mechanical and aerospace engineering, "NOx Reduction and Stability of Hydrocarbon Jet Diffusion Flame," \$33,000.

Jan Segert, assistant professor of mathematics, "Yang-Mills Equations on Complex Manifolds," \$17,093.

Robert Sharp, associate professor of agronomy, "Electrophysiology of Root Growth During Water Stress," \$33,900.

Ines Stafford-Segert, assistant professor of psychology, "NE Receptor Sensitivity in a Rat Model of Depression," \$32,030.

Dongchu Sun, assistant professor of statistics, "On the Optimal Bayesian Design," \$11,000.

Giovanni Vignale, assistant professor of physics, "Physics of Artificial Microstructures," \$36,000.

Judy Wall, professor of biochemistry, "Bioremediation with the Sulfate-Reducing Bacteria," \$36,000.

Yazhen Wang, assistant professor of statistics, "Statistical Inferences Subject to Concavity Constraints," \$11,000.

Carol Ward, assistant professor of anthropology, "Giant Cercopithecids From the African Pleistocene," \$36,695.

'Treasure Hunt' posed puzzles about Mizzou

Sure, you knew that. "Emperor" was the name of the stuffed elephant saved from the fire that gutted old Academic Hall. And Eliza Ann Gentry was the first woman to graduate from Mizzou with a "degree for teacher training." You probably even knew that Switzler Hall, built in 1871, is the oldest academic building on campus.

Those are just a few of the answers to the Great Staff Treasure Hunt. As part of Staff Recognition week, the treasure hunt was crossword puzzle-packed with questions about Mizzou. It was a chance for the University community to test its knowledge of campus trivia and MU lore.

The puzzle was created by a group of volunteers: Terry Berry, administrative as-

sistant with KOMU-TV; Rhonda Butler, administrative assistant with Residential Life; Linda Mast, audit manager for University Physicians; Denise Matroni, assistant manager for human resources at Ellis Fischel Cancer Center; and Kristen Temple, residence hall coordinator with Residential Life.

Of course you already knew all the answers, but just in case, here they are:

Across: 5. Aureomycin 6. Eliza Ann Gentry 7. Money 9. Visitor 12. Journalism 13. Italianate 15. Uehling 16. Ellis Fischel 21. EAP 24. ZOU 25. Lloyd Gaines 26. Faurot 27. Noyes 28. Shack 29. CPCC 30. Residential Life 31. Parker Hall

Down: 1. Hilda and Louise 2. Switzler 3. Simmons 4. Salus Populi 5. A.P. Green 7. Mark Twain 8. Emperor 10. Townsend 11. Freshman 14. Jesse Hall 17. INFORMU 18. Francis 19. Child Development Lab 20. *Missouri Review* 22. Rhynsburger 23. Don Graham

The Final Word: Thanks for Getting to Know Us.

Learning early

MU researcher makes science fun for girls.

Some elementary school students at two Columbia public schools will be staying after school twice a week for four weeks. But the all-female group is not in trouble. They're staying late by choice.

The girls are part of a model program developed by a Mizzou researcher to help increase young girls' interest in physical science by making it fun. The program is funded by a \$98,000 grant from the National Science Foundation.

"If these girls can see that science is fun, they have a greater likelihood of pursuing future involvement in the sciences, perhaps even scientific careers," says Meera Chandrasekhar, professor of physics and project co-director. "There are many more men in the sciences than there are women. We believe that if women start to gain interest in the sciences early, it will help change that situation." Rebecca Litherland, science coordinator for the Columbia public schools, serves as the other co-director.

Groups of 40 fifth- and sixth-grade girls meet at Parkade and Russell Boulevard elementary schools. During the 75-minute sessions, the girls conduct basic experiments in sound and optics, a physics-based science that deals with the effects of light and color.

The experiments increase in complexity as the program progresses; however, the students are allowed to work at their own pace. Forty different experiments are available, and, because they are working in pairs, students have ample opportunity for hands-on participation. Although the program is limited to girls at this point, Chandrasekhar says the experiments are "gender-neutral" and could be used for boys as well.

Most of the experiments involve making various types of objects and toys that illustrate principles of optics. Chandrasekhar says the goal is to help the girls understand what makes the toys work. By having something tangible to take home, she hopes the girls share their new knowledge with family and friends, creating enthusiasm for the subject.

For example, the students can make their own color wheels to examine how and why the colors appear to be different when the wheel is spinning, as opposed to when it is still. They also can use prisms to explore the properties of light, polarizers to make animated pictures, and fiber optic flashlights to understand the principle of internal reflection.

"The students understand by doing," Chandrasekhar says. "Some of the concepts are rather complex, but as long as the girls

begin to understand the basics of physics, gain more interest in it and enjoy doing so, we will have achieved our goal."

Chandrasekhar says the project also taps into the natural tendency of all children to build things. As children grow older, boys tend to dominate in mechanical fields. By emphasizing object construction during the program, the girls may gain more confidence in their mechanical abilities.

In addition to Chandrasekhar and her MU student assistant, David Rainwater, the program will be led by Rodney Swope and Ann VanNest, elementary science teachers for the Columbia public schools, along with two other teachers from the host school.

Chandrasekhar hopes to expand the program to include a wider variety of scientific topics and a wider age range of students.

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April 5 deadline for April 14 issue

April 12 deadline for April 21 issue

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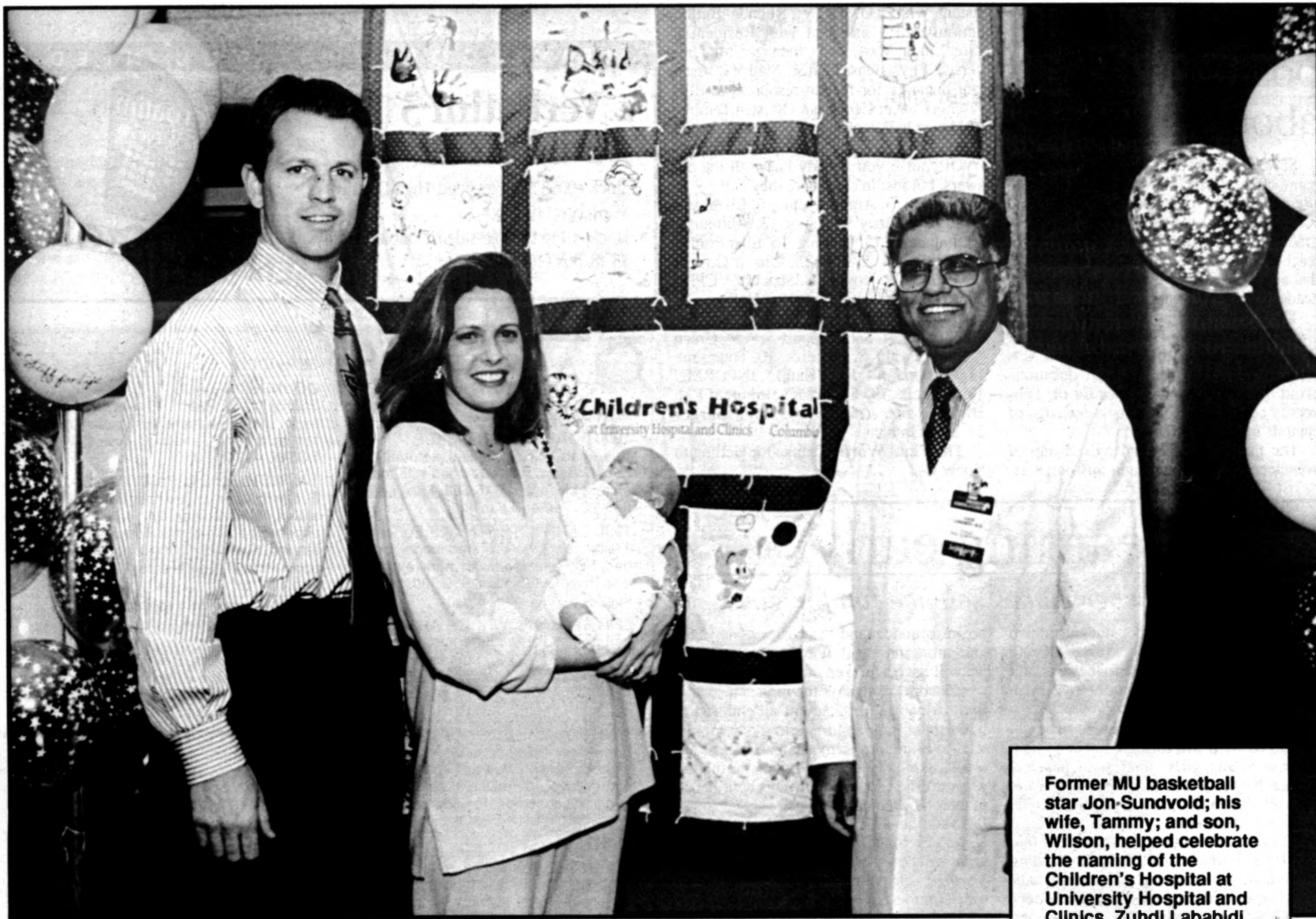
Campus Facilities

Winter Semester, 1993 Midterm Exam

1. Multiple Choice: **Campus Facilities** is an organization dedicated to which of the following:
 - a. providing us with a beautifully and functionally landscaped campus
 - b. keeping our buildings clean
 - c. designing, building and remodeling buildings which will not only be functional and attractive for years to come, but which meet rigorous standards
 - d. providing a maintenance staff which keeps our campus in top-notch working order, and which reacts quickly and efficiently when problems arise
 - e. keeping us cool in the summer, warm in the winter, while always working to effectively and efficiently conserve energy
 - f. providing the best service possible for the campus
 - g. all of the above

2. Essay: How can we help you? Write us or call us anytime at 882-3301





Former MU basketball star Jon Sundvold; his wife, Tammy; and son, Wilson, helped celebrate the naming of the Children's Hospital at University Hospital and Clinics. Zuhdi Lababdi, pediatric cardiologist, right, performed a life-saving heart procedure on Wilson when he was one week old. Lababdi has received worldwide recognition for treating heart defects in children with his innovative balloon dilation procedure known as coarctation angioplasty. Pictured in the background is a quilt made by pediatric patients featuring the new hospital logo.

Tammy Atkins photo

Exclusively for kids

Children's Center is renamed Children's Hospital.

Jon and Tamara Sundvold know the value of University Hospital. "Our son, Wilson, was healthy for a week after he was born," says Sundvold, a former basketball All-American at Mizzou who went on to play for the Miami Heat of the NBA. "Then he developed a heart problem.

"The doctors at University Hospital's Children's Center came to the rescue. Make no mistake about it: They saved our son's life. We were fortunate that the hospital was here."

Sundvold and his family were present last week — in fact, Sundvold was one of the guest speakers — when the Children's Center officially was renamed the Children's Hospital at University Hospital and Clinics. Also on hand was Ashley Dile, the 5-year-old lone survivor of an automobile accident last year near Hermann, Mo. The Children's Center had treated Dile for numerous injuries after the wreck.

"There's a

new hospital in mid-Missouri," says William Altemeier, chairman of child health. "We changed the name to more accurately reflect what we are, and that's a children's hospital within a hospital. Our Children's Hospital is the most comprehensive and largest pediatric health care facility in mid-Missouri."

Creating a children's hospital in this area has been a vision of Altemeier's since his arrival in Columbia from Vanderbilt University three years ago. He served as chief of pediatrics at Metropolitan Nashville General Hospital, which is affiliated with Vanderbilt. He concurrently was vice chairman of pediatrics at Vanderbilt when that university introduced the concept of a "children's hospital within a hospital."

A children's hospital within a general hospital has the cost advantages of a shared building and administrative staff, yet offers many of the specialty units and specialized services and medical staff found at free-standing children's hospitals. Altemeier estimates that 100 other hospitals across the country use this model.

"At University Hospital, we already have a Level I

Trauma Center, helicopter transport and surgical suite available 24 hours a day," he says. "We are able to use these existing resources and combine them with our specialized pediatric services."

The Children's Hospital has on staff mid-Missouri's only pediatric surgeons and more than 30 other pediatric medical and surgical specialists.

The Children's Hospital also offers a 36-bed Neonatal Intensive Care Unit, an 11-bed Pediatric Intensive Care Unit, a 30-bed general Pediatrics Unit, a 12-bed Adolescent Unit and an eight-bed ShortStay Center/Day of Surgery Admission Unit. In addition, a special eight-bed pediatric rehabilitation unit is at Rusk Rehabilitation Center, and other specialty areas such as the Burn Intensive Care Unit have dedicated beds for children. In all, the Children's Hospital offers more than 100 beds dedicated to neonatal, pediatric and adolescent care.

During 1991, nearly 6,000 children were cared for at the Children's Center, and nearly 40,000 appointments were scheduled with specialists in clinic settings.

In addition to the specialized medical technology, Altemeier says there is an entirely different organization and philosophy for care in children's hospitals. "In a general hospital, some staff members devote most of their time to adult care and only spend about

20 percent of their time with pediatric patients. At a children's hospital, the staff that care for children are used exclusively for this and thus are devoted to the special needs of children, both physically and emotionally.

"Not only are the staff specially trained to care for children, but the surroundings and equipment — from tiny blood pressure cuffs to miniature surgical instruments — are designed exclusively for children," Altemeier says.

To normalize a child's hospitalization as much as possible, child life therapists at the Children's Hospital coordinate activities for pediatric and adolescent patients and staff a pediatric playroom. A full-time teacher from the Columbia Public School District also is part of the health care team.



Children's Hospital
at University Hospital and Clinics Columbia, Missouri



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For more information, contact Michelle Burke at 882-7358

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FOR THE RECORD

CLOSED FOR CONSTRUCTION: Campus Facilities reports that effective April 6, Seventh Street between Elm and Locust streets will be closed for about 18 months, due to construction of Lee Hills Hall at the School of Journalism. In addition, Elm Street will be closed between Sixth and Eighth streets from May 17 through July 2 this year, and Sixth Street will be closed at the Elm Street intersection from July 3 through Aug. 1.

WRITING INTENSIVE COURSES: The Campus Writing Board invites proposals for winter 1994 writing intensive courses. Applications may be obtained from the Campus Writing Program, 325 General Classroom Building. With questions, call 882-4881. Proposals should be submitted according to the following timetable: Those received by April 5 will be reviewed beginning April 13 and will go to the writing board for approval April 21. Proposals received by April 26 will be reviewed beginning May 4 and go to the

board May 12. Proposals submitted by Aug. 16 will be reviewed beginning Aug. 23 and go the board Sept. 1. Proposals received after Aug. 16 will not be listed in the winter 1994 schedule used for preregistration.

RETIREE RECOGNITION WEEK: The chancellor's advisory committee on retired faculty and staff is compiling a schedule of special events being planned by MU offices and departments for Retiree Recognition Week, April 19 through 23. Units should contact Chairman Don Duncan, retired director of natural resources, at 449-5260, or Patsy Higgins, manager of Business Services, at 882-7254. In the past, such events have included taking a retired faculty or staff member to lunch, organizing a party or reception, or inviting a retired faculty member to teach a class. The committee asks that special events not be held April 21, the date of the annual retiree luncheon at the Hearnes Fieldhouse.

OFFICE MOVING: The Parking and Transportation Services office is moving from Swallow Hall to the second level of the Turner Avenue Garage between March 30 and April 1. Limited customer parking will be available to the left of the stairwell there, and accessible parking will be to the left of the first bay. Most services of the office will be available at the new location

March 30, with full service resuming April 1. The phone number will remain the same, 882-4568.

PROGRAM NOTE: The program for the Staff Recognition Award ceremony March 22 incorrectly listed the donor of the plant arrangements that decorated the stage at Jesse Auditorium. The plants were donated by Columbia Flowers.

The 'For the Record' column gives MU departments and units the opportunity to advertise used or unneeded equipment for sale. There is no charge for this service. Send your notice to John Beahler at 407 Reynolds Center, or call 882-5918.

LETTERS

Editor:

We would like to take this opportunity to thank the staff at MU. Let us explain why. One component of our clinic is the situational assessment or job site evaluation of skills and abilities of a person with a learning disability. These people have had difficulty with gaining or maintaining work, usually because they lack a full understanding of

their learning disability and their potential for work. The situational assessment uses an actual job to, first, assess the difficulties experienced by a person with a learning disability, and second, to help this person learn new or alternative ways to do the job.

The situational assessments have required actual job sites on campus, and for this reason we would like to thank the MU staff for their assistance. We cannot personally thank each staff member involved because there have been so many, but each person's contribution has been greatly appreciated. MU staff members have made it possible for clinic staff to bring clinic participants to the job site and watch or perform the job and allow our evaluators to assess skills and identify problem areas. Additionally, staff have assisted with suggestions which have helped clinic participants become employed. We at the clinic understand who puts the "Can" in "Can Do Crew."

We would like to thank Karen Touzeau and Julian Carter for their assistance with starting the project. Thank you to Larry Edwards, Phil Shocklee, Gary Hofstetter and the entire Campus Facilities staff. Thank you to the staff at Memorial Union and Brady Commons, University Hospital and Clinics, Campus Dining, Residential Life, Ellis Library, Campus Computing, Campus Mail Service, the Child Development Laboratory, University Police and all the other staff who have helped with this project.

The Assessment and Consultation Clinic staff, Department of Educational and Counseling Psychology, 16 Hill Hall

James Koller, director
Richard Lapan
Karen Multon
Robert Peters
Greg Holliday
Karen Kubalak

Mizzou Weekly encourages letters to the editor. Please limit letters to 350 words, include your name, title and campus address, and send to Letters, *Mizzou Weekly*, 407 Reynolds Center. *Mizzou Weekly* reserves the right to edit for length.



Mable Grimes, 4-H youth specialist, is chairwoman of the Black Faculty and Staff Organization.

Promoting black culture year-round

M
YOU

While Black History Month ended on Feb. 28, Mable Grimes says it is important to emphasize black culture the other 11 months of the year as well.

To make sure of that, Grimes, a 4-H youth development specialist, stays involved in campus and community organizations. On the staff since 1969, she currently is chairwoman of the Black Faculty and Staff Organization.

Created in 1978, the organization has many functions on campus. The group of about 35 active members communicates the concerns and interest of all staff, faculty and students. It also helps recruit and increase the number of blacks on campus and enhance the upward mobility of blacks at MU.

"It's a good way for African-Americans to know who else is on campus," Grimes says.

She would like to see more black faculty and students at the University. "I think the goal always has been and should be representative of the demo-

graphics of the state." She notes that blacks make up the largest minority group in Missouri, about 10 to 12 percent. She would like to see that same percentage in the number of Mizzou faculty.

Grimes also hopes for a more culturally diverse group of faculty, staff and students. She recalls the students that lived with her in Johnston Hall in the mid-1960s. "The more different kinds of people you can have at an institution, the more you are able to expose students to people who may not look the same, but who have achieved."

She also stays active by being a representative for the Black Faculty and Staff Organization on the chancellor's minority advisory committee. She has served on the women's studies committee, the International Affairs Council, as president of Planned Parenthood of Central Missouri, and as a member of Alpha Kappa Alpha. — Text and photo by Nancy O'Connor.

Q&A

Q. I remember that last summer a group of engineering students started working on a solar car to take part in a national race. How is that effort going?

A. After nearly two semesters of work, MU's solar car is just about ready to roll, says Richard Wallace, faculty adviser to the student group. Called the SunTiger, it will take part in regional qualifying trials April 9 in Indianapolis. Wallace, assistant professor of electrical and computer engineering, says students are hard at work to get the car ready.

But that's just preparation for the main event, June 20 to 26, when the SunTiger will compete in SunRayce '93 against solar cars from college campuses all over the country. The race will cover 1,000 miles from Dallas to Minneapolis and is sponsored by the U.S. Department of Energy.

The project has been completely a student-run effort, from design and construction to fund raising and testing. Wallace says it's been a good learning process for the nearly 50 MU students involved.

The SunTiger is a long, low dream machine. It's six meters long, two meters wide and a little more than a meter high. It's powered by 760 solar cells that charge the batteries to provide juice for a 6-horsepower electric motor. In tests on a prototype model,

the student design team has paced the SunTiger at 52 mph and driven 70 miles on a single charge of its batteries.

And oh yes, the SunTiger's racing number is 43. "We decided we liked prime numbers, and 43 is a prime number," explains Wallace. "It's also Richard Petty's racing number, and Petty won lots of races."

Send your questions about campus matters to Mizzou Weekly, 407 Reynolds Center. You must include your name and phone number so we can reach you, if necessary. All questions remain anonymous. Mizzou Weekly will not answer unsigned questions.

MIZZOU PEOPLE

Guy Adams, associate professor of public administration, has had an article, "Organizational Metapatterns: Tacit Relationships in Organizational Culture," accepted for publication in *Administration and Society*.

Douglas Abrams, associate professor of law, has been appointed to a three-year term on the federal practice committee of the U.S. District Court, western district of Missouri.

John Alspaugh, professor of higher and adult education and foundations, serves on the MDESE technical advisory committee for revising the formula for distributing transportation funds to public schools.

J. Kenneth Benson, professor of sociology, received the first Graduate Student Appreciation Award from MU graduate students in sociology and rural sociology in December.

Martin Bergee, assistant professor of music education, has completed a two-year term as vice president for higher education for the Missouri Music Educators Association. He was in residence at the Carlos Gomes Conservatory of Music in Belem, Brazil, in the summers of 1991 and 1992.

Edward Blaine, director of the Dalton Cardiovascular Research Center, presented "Inhibitors of the Renin-Angiotensin System in Clinical Medicine" in February at the Gordon Research Conference on Angiotensin.

St. Martin's Press has published the second edition of *Working with Words*, written by **Brian Brooks**, professor of journalism,

and **Jim Pinson**, a former MU doctoral student now teaching at Eastern Michigan University.

Bob Busch, professor of special education and director of the M-TIKES outreach project, received \$326,787 from the U.S. Office of Education to train day-care providers to integrate children with disabilities into day-care settings.

Jan Clark, associate director of human environmental sciences extension, helped conduct a women's leadership exchange study tour in November in Thailand.

Marilyn Coleman, professor of human development and family studies, and **Larry Ganong**, professor of nursing, wrote "Families and Marital Disruption," which was published in the book *Family Relationships: Challenges for the Future*. Coleman and Ganong presented "Stereotypical Expectations and Couple Satisfaction" at the National Council on Family Relations' annual conference in Orlando, Fla.

Susan Cornell, a custodial supervisor in Building Services, is the Campus Facilities employee of the month for February.

Nancy David, senior lab technician in the Biochemistry Unit, has been selected as the March recipient of the College of Agriculture, Food and Natural Resources Staff Recognition Award.

Shirley S. DeJarnette, assistant vice president for Investment and Banking, recently visited the College of Business and Public Administration as part of its executive-in-residence program. She is a 1966 graduate of the college, earning a degree in finance.

Dave Demo, associate professor of human development and family studies, presented "Family Structure and the Division of Domestic Labor," in November at the National Council on Family Relations' annual conference in Orlando, Fla.

Donald DeMoulin, assistant professor of educational administration, is part of a four-member group analyzing the differences and similarities in the approach to educating exceptional children in the United States and Japan. A three-year grant to study the practices has been approved by Japan's commissioner of education. A panel of educators from Japan will visit the United States next fall, and the U.S. group will travel to Tokyo in 1994.

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Reminder:

Our office has moved to the Turner Ave. Garage.

Our new mailing address is Turner Ave. Garage, Level 2.

CALENDAR

Send calendar items in Campus Mail to Michelle Holden, 407 Reynolds Center, by noon Wednesday the week before publication. Events are free and open to the public unless otherwise noted.

EXHIBITS Highlights

BINGHAM GALLERY: The 1993 Missouri Art Educators Exhibition, a juried show of art works in various media by elementary and secondary art teachers in Missouri, is on display through April 2. Hours: 10 a.m.-4 p.m., Monday through Friday. Gallery is in the Fine Arts Bldg.

BRADY COMMONS: Graphics by Jerry Li Chien are on display through April 1. Fibers by Sarah F. Hock will be on display April 5-15. Hours: 10 a.m.-5 p.m., Monday through Friday. Gallery is located on the second floor of Brady Commons.

ELLIS LIBRARY: An exhibit of American Indian art, crafts and women's writing is on display in the main concourse of the library through today. Hours: 7:30 a.m.-midnight Monday through Thursday, 7:30 a.m.-11 p.m. Friday, 9 a.m.-9 p.m. Saturday, noon-midnight Sunday.

MUSEUM OF ANTHROPOLOGY: Archaeological collections include more than 100 million artifacts dating from 9000 B.C. to modern times. The focus of exhibits is on the prehistory of Missouri and the Midwest. Hours: 9 a.m. to 4 p.m. Monday through Friday. The museum is located in Swallow Hall.

MUSEUM OF ART AND ARCHAEOLOGY: The *Missouri Visual Arts Biennial*, an exhibit of Missouri contemporary art featuring works by William Hawk, Janet Hughes and Marilyn Mahoney, is on display through June 20. The museum, in Pickard Hall, is open from 9 a.m.-5 p.m. Tuesday through Friday and noon-5 p.m. Saturday and Sunday.

ROGERS GALLERY: Computer Animations of Jim Gibson, professor of art at Northern State University, Aberdeen, S.D., are on display through April 16. Hours: 9 a.m.-noon and 1:30-4 p.m. Monday through Friday. Gallery is located in 142 Stanley Hall.

UNIVERSITY HOSPITAL AND CLINICS: Impressionist Works and Ceramics, featuring the art of Brian Mahieu, Sue Pettit, Mike Weinhart, Irene Alexander and Sue Luger, is on display through today in the main lobby concourse and in the Ellis Fischel Cancer Center lobby.

WOMEN'S STUDIES FOYER: "A Lesbian Looks at Lesbians Looking at Women: Images of Women in Lesbian Art" is on display through today in 309 Switzler Hall.

COLLEGE OF VETERINARY MEDICINE: The new veterinary teaching hospital, Clydesdale Hall, will be dedicated at 10 a.m. April 3. Robert F. Kahrs, retired dean and now a director of the National Center for Imports and Exports, will be the keynote speaker. The Gentle Doctor Benefit will be at 4 p.m. at the Hearnes Center, with a buffet dinner to be served at 5:30 p.m.

CLASSICAL INDIAN DANCE: The Cultural Association of India will present a classical Indian dance program by the Prabhath Dance Academy of California at 6 p.m. April 4 in Jesse Aud. Cost: \$4 for students, \$6 for general admission, free for children under 5. Tickets are available at K-Fashion, 16 S. Ninth St., or call Ramesh Khanna at 445-4894, Meera Chandrasekhar at 446-6143, or Ketan Shah at 443-2097.

MSA/GPC SPEAKER: William F. Buckley Jr., conservative journalist and commentator, will speak at 8 p.m. April 5 in Jesse Aud.

31 Wednesday

MEDICAL INFORMATICS GROUP: Frank J. Schmidt, associate professor of biochemistry, will speak on "Computer-assisted Biological Reasoning in Genome Sequence Analysis" at noon in 606 Lewis Hall.

MIDDAY GALLERY EVENT: The MU Opera Workshop will be at 12:15 p.m. at the Museum of Art and Archaeology.

WILDERNESS ADVENTURES: A free beginner bike repair clinic will be offered at 7 p.m. Call 882-3066.

STUDENT RECITAL SERIES: Hadley Haux, on euphonium, will perform at 7 p.m. in the Whitmore Recital Hall.

WOMEN'S HISTORY MONTH: Two short films, *One Fine Day* and *Take the Power*, will be shown at 7:30 p.m. in N214-215 Memorial Union. A celebratory closing of Women's History Month will be held, with refreshments.

INTERNATIONAL FILM SERIES: *Homeland: Israel and Palestine*, a 25-minute documentary focusing on the efforts of a group of Israelis and Palestinians in Israel working to show that people of different backgrounds can live side by side, will be shown at 8 p.m. in Ellis Aud.

April 1 Thursday

FACULTY COUNCIL: Group will meet at 3:40 p.m. in S110 Memorial Union.

SCHOOL OF LAW: A student awards banquet will be at 6:30 p.m. at the Reynolds Center. Call 882-4374.

2 Friday

ARCHAEOLOGY MEETING: The Missouri Archaeological Society and the Missouri Association of Professional Archaeologists will meet April 2-4 at the Days Inn, 1900 I-70 Drive SW. Activities include a welcome reception, research presentations, exhibits, a banquet and a tour of the

Museum of Anthropology. Cost: \$5 plus \$12.95 for the banquet. Call 882-3544.

ENGINEERING CONFERENCE: "Construction Claims: A Course for Architects and Engineers" will be offered today through April 3 at the Holiday Inn Executive Center, I-70 and Stadium Boulevard. Liability issues, techniques to analyze and audit claims and preparation of claims analysis will be discussed. Cost: \$470. Register by calling 882-3266.

ENTOMOLOGY SEMINAR: Thomas P. Pirone of the University of Kentucky will present "Viral Genes and Gene Products that Determine Insect Transmissibility of a Plant Virus" at 2:40 p.m. in 2-10 Agriculture Bldg.

CLASSICAL STUDIES LECTURE: Robert Lamberton of Princeton University will speak on "The Derveni Papyrus: Reading Orphic Poetry in Classical Greece" at 5:30 p.m. in Pickard Aud. A reception will be at 5 p.m. in the Cast Gallery.

MU BASEBALL: The Tigers will play Oklahoma at 7 p.m. at Simmons Field. Cost: \$3 adults; \$2 students and children.

MSA/GPC FILM: *Singles* will be shown at 7 and 9:30 p.m. in Ellis Aud. Cost: \$2 in advance; \$2.50 at the door.

LAWS OBSERVATORY: The observatory, located on the roof of the Physics Bldg., will be open on clear Friday nights from 8-10 p.m.

3 Saturday

COLLEGE OF EDUCATION: The alumni board will meet today at the Reynolds Center. An alumni awards banquet will begin at 6:30 p.m. at the Reynolds Center. For reservations, call Judy Diehl at 882-8311.

MU ALUMNI ASSOCIATION: A membership committee meeting will be at 9 a.m. at the Reynolds Center. Call 882-2256. Also, the College of Education Alumni Board's new member orientation will be today at 10 a.m. at the Reynolds Center. Call 882-6645.

COLLEGE OF VETERINARY MEDICINE: See Highlights.

KIDS' DAY 1993: KOMU-TV 8, Columbia SAFE KIDS Coalition and University Hospital and Clinics will present KIDS' Day, an event designed to teach health and safety to children in a fun-filled environment, from 10 a.m.-2 p.m. in the hospital's main lobby.

WILDERNESS ADVENTURES: Beginning instructional clinic for rockclimbing will be today and April 4. Cost: \$25. Call 882-3066. A fishing and nature day, co-sponsored by the Access Office, also will be today. Cost: \$5.

LAWN MOWER CLINIC: The Agricultural Mechanization Club will have its annual lawn mower and tiller tune-up clinic today. You may bring the lawnmower (no riding mowers) or tiller to the east side of the Agricultural Engineering Bldg. from 3-6 p.m. March 31-April 2, and may pick them up from 4-7 p.m. April 5-6. Cost: \$15. Call 882-2369.

MU BASEBALL: The Tigers will play Oklahoma at 2 p.m. at Simmons Field. Cost: \$3 adults; \$2 students and children.

MSA/GPC FILM: *Singles* will be shown at 7 and 9:30 p.m. in Ellis Aud. Cost: \$2 in advance; \$2.50 at the door.

COUNTRY MUSIC: Country rocker Travis Tritt, singing sensation Trisha Yearwood and country band Little Texas will play at 8 p.m. at the Hearnes Center. Tickets are available at the Hearnes Center box office or by calling 882-7625.

4 Sunday

MU BASEBALL: The Tigers will play Oklahoma at 1 p.m. at Simmons Field. Cost: \$3 adults; \$2 students and children.

HUMAN ENVIRONMENTAL SCIENCES WEEK: Events continue through April 10. A scholarship assembly will be today at 2 p.m. For a complete schedule, call 882-6227.

BLACK CLASSIC FILM SERIES: *A Soldier's Story* will be shown at 3 p.m. in Ellis Aud.

CLASSICAL INDIAN DANCE: See Highlights.

5 Monday

PHYSIOLOGY SEMINAR: Christopher Hardin of the University of Washington Medical Center will speak on "Vascular Smooth Muscle Metabolism: Studied by Nuclear Magnetic Resonance (NMR) Spectroscopy" at 10:40 a.m. in MA217 Medical Sciences Bldg.

BIOCHEMISTRY SEMINAR: Linda van Eldik of Vanderbilt University will speak on "S100: A Glial-Derived Neurotrophic/Growth Factor in the Brain" at 3:40 p.m. in MA217 Medical Sciences Center.

SOIL AND WATER RESOURCES SEMINAR: Raymond Daniels, professor at the University of North Carolina and author of *Soil Geomorphology*, will present the W. A. Albrecht Special Seminar: "Hillslope Hydrology: Interaction of Water and Soil" at 3:40 p.m. in 133 Mumford Hall.

NON-CREDIT TENNIS: Beginning lessons will be taught from 6:30-7:45 p.m. Mondays and Wednesdays for four weeks. Cost: \$15. Sign up in 106 Rothwell.


MSA/GPC FILM: *A Taxing Woman* will be shown at 7 and 9:30 p.m. in Ellis Aud. Cost: \$2.

WOMEN'S CENTER: Registered nurse Elisa Sims will present "A Healing Legacy: Preventing and Coping with Breast Cancer, in Memory of Perri Van Vleck" at 7 p.m. in 229 Brady Commons.

MSA/GPC SPEAKER: See Highlights.

6 Tuesday

SCHOOL OF LAW: An administrative hearing commission meeting will be from



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Prabhath Academy
of California
in a unique blend of
Bharat Natyam and Kathak
styles of Indian Classical Dance
by four renowned dancers:
Bindu Madhava, Nirmala,
Sudheendra and Purna Prasad

Sunday, April 4, 1993, at 6:00 p.m.
Jesse Hall Auditorium, University of Missouri, Columbia

General Admission: \$6.00	Students: \$4.00
Children 5 and under: Free	Info: 443-2097, 446-6143, 445-4894.

9 a.m.-5 p.m. in the Hulston Hall Courtroom.
PHARMACOLOGY SEMINAR: Michael Roberts will speak on "Interferons as Reproductive Hormones" at 3:40 p.m. in M558 Medical Sciences Bldg.
CPCC WORKSHOP: "The Job Hunt: Learn Proactive Strategies That Win You the Job" will be presented from 5:30-6:30 p.m. at the center, 110 Noyes Bldg.
NON-CREDIT TENNIS: Intermediate lessons will be taught from 6:30-7:45 p.m. Tuesdays and Thursdays for four weeks. Cost: \$15. Sign up in 106 Rothwell.
MU ALUMNI ASSOCIATION: The Boone County chapter board will meet at 5:15 p.m. and the Student Alumni Chapter general meeting will be at 7:30 p.m., both at the Reynolds Center.
INTERNATIONAL FILM SERIES: *It's the Same World*, a 29-minute documentary, will be shown at 8 p.m. in Ellis Aud., followed by a panel discussion on how people with disabilities are fighting for better access.

PHI ZETA LECTURE: James Coffman of Kansas State University will speak on veterinary medicine at 3:30 p.m. in the Veterinary Medicine Hospital Auditorium.
MOLECULAR MICROBIOLOGY AND IMMUNOLOGY SEMINAR: Terry Potter of the National Jewish Center of Immunology and Respiratory Medicine in Denver, Colo., will speak on "The Role of

CDS in T Cell Activation and Selection" at 3:40 p.m. in M640 Medical Science Bldg.
STUDY ABROAD: Travel abroad tips will be offered at an informational meeting from 4-5 p.m. in 110 Lowry Hall.
PHI KAPPA PHI INITIATION: Event will be at 7 p.m. in the Memorial Union Lounge.
WOMEN'S CENTER: "Midwifery in Columbia" will be presented at 7 p.m. in

229 Brady Commons.
MID-MISSOURI PEACEWORKS: Peaceworks will screen *Dark Circle*, a feature-length documentary on nuclear technology, at 7:30 p.m. in Gannett Aud.

Attention Adult Students Evening and Weekend Courses

Fall 1993

Does your busy schedule prevent you from attending daytime classes? Extension Teaching at the University of Missouri offers a selection of evening and weekend courses from a wide variety of academic departments.

- You can earn University credit evenings and weekends.
- Courses are regular University courses taught by University faculty.

For further information
or a free course catalog

882-3598



7 Wednesday

NEW EMPLOYEE ORIENTATION: A seminar for new employees will be from 8:30 a.m.-noon in 146 Heinkel Bldg. Call 882-4859.
MEDICAL INFORMATICS GROUP: Robert McLaren, professor of electrical and computer engineering, will speak on "Expert Systems" at noon in 606 Lewis Hall.
MIDDAY GALLERY EVENT: A video, *Missouri Visual Artists' Biennial*, will be shown at 12:15 p.m. in the Museum of Art and Archaeology.
PHYSIOLOGY SEMINAR: Shivendra Shukla, associate professor of pharmacology, will present "Ethanol Modulates Transmembrane Signaling" at 2:40 p.m. in M437 Medical Sciences Bldg.

A Day of Free Health and Safety Activities

10 a.m. to 2 p.m., Saturday, April 3
University Hospital's Main Lobby

Join us for a day of fun and safety at the third Annual Kids' Day, sponsored by Children's Hospital at University Hospital and Clinics, KOMU-TV 8 and the Columbia SAFE KIDS Coalition. Activities include:

- Screenings** – Free vision and asthma screenings; growth and height/weight assessments; and blood pressure readings.
- Ask-a-Doc** – Columbia physicians will discuss passive smoke, lead poisoning and answer general healthcare questions. The doctors also will let kids examine medical instruments. And pediatric dentists will share dental health tips.
- Tours** – SameDay Surgery operating room, helicopter, ambulance, fire engine trucks and patrol car.
- Mini News Set** – Bring a 1/2-inch videotape, and KOMU-TV 8 will videotape your child reading the news or just having fun in front of the camera. Randy Wright, Paul Pepper, James Mouser and other KOMU-TV 8 personalities will be on hand to help the kids "anchor" the news.
- Low-Cost Bike Helmets** – Don't let your child suffer a head injury from a bicycle accident. Purchase a low-cost ANSI or Snell approved bicycle helmet for your child for just \$15, offered through the Columbia SAFE KIDS Coalition.
- Activities** – Infant and child CPR demonstrations; operating room dress up (free surgical masks, booties, hats and gloves); Teddy Bear Clinic to help children prepare for a visit with the doctor; Rusk wheelchair obstacle course; Wheel of Health game; poster coloring contest; Bounce House; Children's Miracle Network duck pond; and fire safety city.
- Safety Booths** – Bike safety, burn safety and child safety seats, nutrition display and information on home poisons.
- Center Stage** – Ronald McDonald will perform a special magic show from 10:15 to 10:45 a.m.; fire safety demonstration at 11 a.m.; Maddok the Magician at noon; and Jugglin' Dave at 1 p.m.
- Special Appearances** – Truman the Tiger; Sport, the Show-Me STATE GAMES mascot; Pluggy; Cinder Sam; McGruff; Smokey Bear; Kirby Kangaroo; Buckle Bear; and clowns.

Door Prizes – Children can register to win one of three bicycles or three tricycles, complete with a bike helmet. Parents can register to win one of several toddler car safety seats. Also, every child will receive a pair of kids sunglasses.

Refreshments – Free orange drink, ice cream, and Cracker Jack popcorn.

Parking – Available free in University Hospital's parking garage and surrounding parking lots. A shuttle bus will be available to transport you from the parking lots to the hospital's main lobby.

This event will be held rain or shine. All children must be accompanied by an adult. For more information, call 882-6565.



Children's Hospital
at University Hospital and Clinics Columbia



Lights, camera, action!

Students in residence halls, MU apartments will receive free premium movie service.

A cooperative venture by three MU units will make movie viewing a little easier — and cheaper — for students in the residence halls and MU-sponsored family apartments.

During the month of April, Mizzou Telecom will begin broadcasting a free premium movie service to those students over cable Channel 8. It will be a pilot program for a full-time entertainment program planned for next fall. The service will feature Holly-

and the more students there are in the residence halls and the happier they are, the better it is for everyone."

Mizzou Telecom's cable Channel 8 brings campus information to the residence halls, "and now it's starting to take off as a venue to provide quality entertainment as well," Mayer adds. Once everything is in place, students can expect to enjoy up to 36 film titles every month, with 12 titles being rotated out every month to make room for new selections. Mizzou Telecom will sell advertising to run between films, and Mayer says that should pay for the service.

He notes that Mizzou Telecom already offers residence hall students a big advantage through evening WATS rates. "After 5 p.m., it's 11 cents a minute to call someone long-distance from a residence hall phone," he says. "You can't beat that."

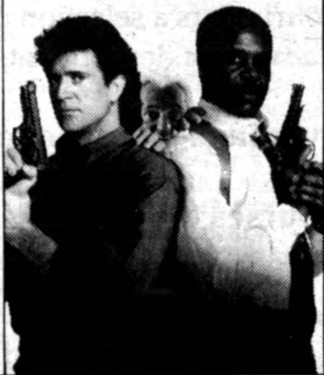
As part of the April pilot program, student evaluations will be distributed toward the end of the

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MEL GIBSON and DANNY GLOVER
and
Joe Pesci

The magic is back again.

LETHAL WEAPON 3



wood releases, ranging from new movies such as *Sneakers* to classics including *Casablanca*.

Mizzou Telecom is taking the lead on the project, which is co-sponsored by Residential Life and the Residence Hall Association.

"It all gets down to improving student life on campus," says Warren Mayer, senior information specialist with Mizzou Telecom. "The students are our customers, after all,

month, and responses will play a large role in determining future programming decisions and equipment purchases. "Mizzou Telecom, RHA and Residential Life all want to be responsive to students and their desires for this new program," says David Cohen, RHA president. "By filling out an evaluation, students help us make the program as good as it can possibly be."

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State's economic forecast brightens

Missouri's economy will improve steadily over the next year, with Kansas City showing a stronger recovery than St. Louis, according to a report by an MU researcher.

"Like the U.S. economy, the Missouri economy will show steady improvement during 1993," says Ed Robb, director of the College of Business and Public Administra-

tion Research Center. "The Kansas City area economy will remain strong, and the St. Louis area economy will improve slowly but is still showing signs of weakness from the loss of defense-related jobs."

Stagnant in 1992, Missouri's wage and salary employment in 1993 will increase by 69,000 jobs, most of which will be in the private sector. The number of unemployed people in the state increased by 1.9 percent in 1992, resulting in an unemployment rate of 6 percent. Employment in the state will increase by 1.1 percent in 1993, and the unem-

ployment rate is expected to fall below 6 percent.

Both St. Louis and Kansas City will add more than 20,000 new jobs in 1993. Unemployment in St. Louis will decrease from an average of 6.2 percent in 1992 to 4.8 percent in 1993, and in Kansas City it will decline slightly from 5 percent in 1992 to 4.3 percent in 1993.

Wage and salary income in Missouri will increase by 4.8 percent in 1993, and total personal income growth will still be slightly higher than 1992, averaging 5.9 percent.

In St. Louis, the relatively weak labor market will hold down personal income growth to 6.2 percent. In Kansas City, wage and salary income growth will average 4.9 percent in 1993, up from 4 percent in 1992.

The rest of the nation has been plagued by weak residential construction, but such activity has been a bright spot in Missouri's economy. In 1992, building permits increased to 22,349 from 17,665 in 1991, and in 1993 the construction industry will show similar increases.

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