

# MIZZOU WEEKLY

University of Missouri-Columbia

March 2, 1984



Amusing St. Louis Brass Quintet performs tonight. See calendar highlights, page 4.

## Planning picture develops

*Money matters took the spotlight in committee discussions and at the chancellor's news conference.*

To inject reality into program reviews, the campus budget review committee discussed resource scenarios. The group recommended assuming that resources would remain stable. To meet the cost of campus objectives, rough estimates show that UMC would need about \$20

million annually, equivalent to 20 percent of its annual operating budget. The objectives were set by the Board of Curators' long-range planning steering committee.

The most costly of these goals are increasing faculty and administrative salaries to the Big 8/Big 10 average, increasing staff salaries to local averages, increasing support services for faculty and selecting 10 programs to achieve eminence. The objectives' tremendous cost would mean a choice between redirecting some resources or not achieving goals, Chancellor Barbara Uehling said.

Duane Stucky, vice chancellor for administrative services, supplied a "rough guess" of \$12 million minimum to maintain competitively UMC's current programs. "That amount wouldn't achieve any increases," he said. However, "It would arrest some decline," added law Dean Dale Whitman, a budget review committee member.

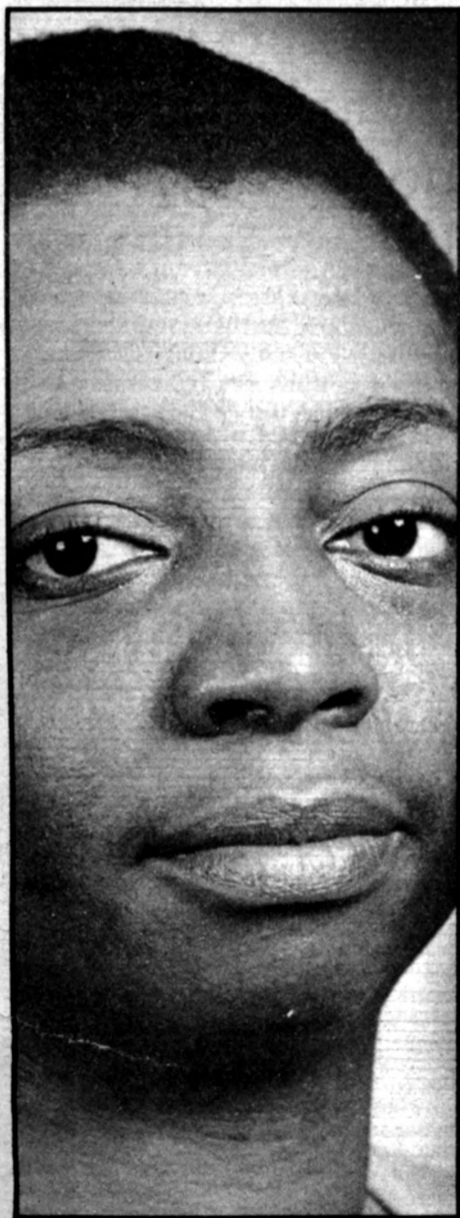
The steering committee, which met over the weekend, discussed models to predict future revenue. The group considered assumptions about the tax base, tax rate, personal income levels and other variables. The steering committee also directed campuses to omit references to specific programs from their mission statements pending completion of program reviews Oct. 15.

The review process was another topic of the budget review committee. The reviews will allow campuses to

set priorities that may be met through redirection of resources, Uehling said. Last week, having a "blue-ribbon" committee to work simultaneously with schools and colleges appeared to be the most popular option, she said. In this method, colleges—with the committee's assistance—would request that their programs be placed in one of four categories: increase funds, maintain funds, reduce funds or eliminate funds. While the composition of the committee was not determined, "I want to assure you that departments and faculty will have the opportunity to participate in this," Uehling said.

Because the blue-ribbon committee would become knowledgeable about campus programs, it could identify possible areas of consolidation, Uehling said. "We may find that by consolidation we can maintain offerings while being more efficient."

The chancellor made similar remarks at her monthly news conference, where she also stressed savings that already had been achieved. Some \$6.7 million is being saved annually through cost-cutting measures, she said. For instance, UMC's energy use is down one-third since 1970. Redirection of funds, revenue generation and a full-costing/cost-shifting program were credited for additional savings of about \$13 million. "We are a well-managed campus," Uehling said. "Our budget is balanced, even though our funding is not adequate for the work we must do."



**Mary F. Lenox, new library and informational science dean, predicts a greater demand for librarians and information specialists in the future to cope with**

## The volume of knowledge

*"The quantity of information is doubling every five or six years."*

So says Mary F. Lenox, who through an internal selection process became dean of the School of Library and Informational Science, effective March 1. "If you don't have an intermediary to match your information needs with the universe of information available, it becomes exceedingly difficult to access that information."

With its integrated program of library and information science, Mizzou prepares students to bridge the gap between information needs and knowledge. "All of our graduates leave with a basic knowledge of management principles, modern technology and automation in libraries as well as concepts and skills needed in traditional, professional roles in libraries and other informational agencies," Lenox says. "Information science is the cutting edge in our field now and our library school has always had it as an integral component of

our program."

In addition, the school provides a "flexible, responsive curriculum that addresses current and emerging needs in our field," she says. A 96 percent placement rate for the class of 1982 attests to the school's success, Lenox adds, as does its recent seven-year reaccreditation by the American Library Association. The school has the only ALA-accredited program in Missouri. Lenox also is pleased with the school's recent Gourman Report rating of 4.17 on a 5-point scale.

Lenox is optimistic that the school's future holds further success. "We have a golden opportunity to be in the forefront of our field.

"In our discipline and any educational environment, libraries and librarians are the foundation of the provision of information," she says.

A master's degree in library science can be valuable in other ways, too, says the new dean, who joined the faculty in 1978. "I think we should encourage our students to think beyond the traditional library setting. For example, they can establish new ways to help people find and use information, such as offering information brokerage services to business organizations."

Because of the revolutionary changes

in processing and accessing information in the library and information field, the school may offer additional, continuing education seminars and institutes to upgrade the skills of library practitioners, Lenox says. She adds that fees from this source could help offset a tight budget.

Lenox also is pleased that the school has received two new federal Department of Education fellowships for minority students in health science librarianship. The school also received two minority fellowships in multimedia resource management, a continuation of a project the former associate professor directed the past three years.

A graduate program, the school offers new opportunities in library and information science to students from diverse undergraduate disciplines, Lenox says. Increased visibility should mean increased enrollment, she predicts. The school now serves about 100 students.

Lenox, UMC's first black dean, earned the EdD degree from the University of Massachusetts-Amherst, an MA in library science from Rosary College in Illinois and a bachelor's from Chicago State. A 1982 Kellogg National Fellow, she replaces Edward Miller, who retired as dean in January after serving 10 years.



## SEMINAR FOCUSES ON MARKETING YOURSELF IN '84

A two-day seminar for persons anticipating a career change will be held March 8 and 9 at Holiday Inn East.

"Marketing Yourself in '84," featuring top Missouri corporate employment specialists, is sponsored by the Missouri Institute of Executive Development.

First-day topics include hiring trends and projections, skills and attributes desired by business, effects of the economy on career planning, and what to expect in salary, working hours, security and advancement.

Second-day topics focus on

improving job-seeking skills, ways to present job qualifications, structure of resumes, what to expect from the interview and ways to negotiate salary.

Cost is \$50 for one day, \$85 for both days. To register, call the Missouri Institute for Executive Development at 882-6784.

## DOG IS FAITHFUL JOGGING PARTNER

Your dog can become your best jogging buddy if you introduce your pet to the sport correctly.

The following are suggestions from veterinarian Mar Doering.

Get a clean bill of health by taking your pet to the veterinarian for an exam. Use a leash to ensure temptations don't create an accident. Feed your pet following, not before, the run. Begin running on dirt or grass until your dog's pads toughen. Don't jog in extreme heat or cold; dogs can suffer from frostbite and heat stress. If your dog pants rapidly, appears weak or has muscle tremors, stop jogging. These are signs of overwork.



## WOMEN NEEDED FOR RHEUMATOID ARTHRITIS STUDY

Women rheumatoid arthritis patients are needed to participate in a study about in-home arthritis education.

An occupational therapist will visit each participant at home five times during the 10-month study to help patients develop individualized self-management skills. The project does not interfere with the patient's medical care.

Donald Kay, associate professor of medicine, will direct the study. He will be assisted by occupational therapist Carol Rodon of the UMC Multipurpose Arthritis Center.

Interested persons should call 882-8095.

## FOR THE RECORD

**RETIREMENT:** A banquet marking the retirement of psychology Professor Robert Daniel is scheduled April 13. If you have not received an invitation and would like to attend, contact Professor Alvin Goldstein, 210 McAlister Hall, at 882-3384.

**CAR POOL:** A University employee who works from 8 a.m. to 5 p.m. wishes to form a car pool from Jefferson City to Columbia. If interested, call Mark at 882-4334.

**BEQUESTS:** New scholarship and loan money for students has been made possible through bequests by Missourians.

The Arthur Langmeier Fund will supply scholarships to needy students regardless of academic standing. Langmeier, BS '18, was a St. Louis native.

The Ray Baird Fund of \$150,000 establishes a loan fund for students needing financial

assistance. Baird was a professional YMCA secretary.

The Margaret V. "Babe" McCarty Scholarship fund of \$134,627 will provide scholarships for agriculture students, recommended by a scholarship committee. McCarty of Clarence, Mo., attended the College of Education.

In memory of Donald A. Kolbe Jr., Business Publications Inc. has established a \$5,000 endowment. Income from the scholarship named for Kolbe, BS BA '73, editor of Business Publications Inc. in Plano, Texas, will be awarded annually to UMC students.

To foster closeness among social sororities, Helen Mae Clarahan Spiese established the Alpha Gamma Delta Scholarship, an annual \$500 scholarship for a junior, senior or graduate student who is active in a sorority, has a 2.5 GPA or higher and shows financial need. Spiese, BS Ed '23, an AGD member, lived in St. Louis before moving to Portageville, Mo.

**PURCHASE:** The University has purchased 904 Hitt St. for \$60,000 from Albert R. and Melva S. Hagan.

The 50-by-130-foot lot has a brick house which is presently rented. Eventually, the house will be torn down and the land used for parking. Money from the residence hall parking operations fund was used to buy the property.

## MIZZOU IN THE MEDIA

**CARL CHAPMAN**, professor of anthropology, was quoted in an article about an Osage Indian site in the Dec. 13 Kansas City Times. Chapman, who has studied the site for 42 years, says it appears to be the tribe's original location.

**RUTH BRENT**, assistant professor of housing and interior design, gave tips on housing for the elderly in recent articles in the New York Daily and the Cedar City (Utah) Spectrum. Among her suggestions: use good lighting, reduce background noise and choose lightweight, movable furniture. Avoid slippery linoleum, throw rugs, wing chairs, coffee tables and excessive use of mirrors, which can cause disorientation.

A new respirator developed at UMC was mentioned in The Wall Street Journal Dec. 9. It sends many small puffs of air to patients' lungs instead of a few large puffs.

A study conducted by **KITTY DICKERSON**, associate professor of clothing and textiles, was the subject of a recent article in the Williamston (S.C.) Journal. The study showed that 73 percent of those interviewed thought that clothing imports reduce the number of jobs available to people in the United States.

**LORETTA HOOVER**, associate professor of human nutrition, foods and food systems management, was quoted in a Los Angeles Times article about computer software that provides nutrition information.

**THOMAS GOOD**, professor of curriculum and instruction and research associate at the Center for Research on Social Behavior, was quoted in a story about merit pay for teachers published in Instructor and Teacher magazine in October. "If good teaching means high test scores, then teachers will mobilize all teaching to that purpose," he says.

**TED GREEN**, associate professor of veterinary microbiology, discussed his research to develop a malaria vaccine in the Nov. 27 St. Louis Post-Dispatch.

**WILLIAM H. TAFT**, professor emeritus of journalism, appeared on St. Louis television stations KSDK and KMOX in November to discuss the fate of the St. Louis Globe-Democrat.

In a Feb. 9 Wall Street Journal story about mules making a comeback, **HOWARD MARSHALL**, professor of art history, notes that during World War I, horses with mud up to their bellies would bolt, overturning wagons. "But soldiers said the mules would just stop in the mud and wait to be convinced to continue. Many men at the front were saved because the mule made up his mind to go on."

In the January-February issue of Airborne, **JOSEPH EDMONDSON**, food science professor, tells how a five-year-old steak and one-year-old carton of milk, neither of which has seen the inside of a refrigerator, are part of a new packaging technology which may change the way people eat in underdeveloped countries. The Nov. 27 St. Louis Post-Dispatch Sunday magazine also cited Edmondson's work.

In the same Airborne issue, **CARL GERHARDT**, professor of biological sciences, tells how communications research with frogs may offer clues to treating human speech and hearing disorders.

## JOBS

For more information on the following teaching and research positions, contact the appropriate individual listed below. All positions are contingent upon enrollment and funding.

**Agriculture**, Assistant dean for international agriculture programs, deadline March 30. Contact Roger Mitchell, 882-3752.  
**Conference office**, Instructor and conference coordinator, deadline March 19. Contact Charles Campbell, 882-8253.  
**Editorial**, Instructor/sports editor, deadline April 1. Contact Brian Brooks, 882-3042.  
**Law**, Assistant dean, deadline April 1. Contact Dale Whitman, 882-3246.  
**Peace studies**, Program director, deadline March 16. Contact John Kultgen, 882-2871.  
**Psychology**, Assistant/associate or full professor of experimental psychology, deadline April 15. Contact Donald H. Kausler, 882-6389.

The following staff openings were approved and posted Monday, Feb. 27, and may be filled at any time after meeting the required five-day posting period. For more information or to apply for a job, contact the Personnel Office, 309 Hitt St., at 882-4221. Salary codes follow each listing in parentheses.

**PROFESSIONAL**  
**Administrator-MPIP**, School of Medicine's Dean's Office, deadline March 16.  
**Executive staff assistant II**, (E-7), Psychology.  
**Residence hall coordinator**, Residential Life, available Aug. 1, (5).  
**RESEARCH/SERVICE**  
**Animal health technician**, (M-56), Veterinary Medicine and Surgery.  
**Platemaker**, (H-24), University Printing Services-UMca.  
**Research electronic technician**, (M-63), Research Reactor-UMca.  
**Research/laboratory technician**, (M-56), Entomology.  
**Senior animal health technician**, (M-58), Veterinary Medicine and Surgery (Equine Center).  
**Senior research/laboratory technician**, (M-59), Entomology.  
**COMPUTER/TECHNICAL**  
**Computer programmer I**, (M-59), Agricultural Engineering.  
**Computer programmer/analyst II**, (E-9), Academic Computing Service, Computing and Information System-UMca.  
**CLERICAL**  
**Clerk typist II**, (M-53), Academic Support Center, Purchasing.  
**Data entry operator I**, (M-53), Cashiers.  
**Secretary-stenographer**, (M-54), Economics, Surgery-cardiothoracic.  
**Senior stenographer**, (M-54), Practical Arts/Vocational-Technical Education.  
**Word processing operator I**, (M-53), Psychology.  
**SECRETARIAL**  
**Administrative assistant**, (M-59), Health Services Management, Purchasing.  
**Composition coder**, (M-55), University Printing Services-UMca.  
**Secretary**, (M-55), Campus Facilities, Dairy Science, Electrical and Computer Engineering, Industrial Engineering; Medicine/dermatology.  
**Senior secretary**, (M-57), Personnel Services/Employee Relations.  
**PART TIME/TEMPORARY**  
**Computer programmer/analyst I**, (E-7), Statewide Extension-UMca.  
**Data entry operator I**, (M-53), Research Program Services-UMca, 20 hours per week, permanent.  
**Lab assistant**, (M-53), Obstetrics and Gynecology, full time temporary until July.  
**Secretary** (M-55), Center for International

Programs and Studies, full time temporary until July; Cooperative Extension-Pest Management, hours 8 a.m.-noon, permanent; Counseling Services, 12 hours per week until July; Equal Opportunity Office, hours 9 a.m.-1 p.m., permanent.  
**Senior secretary**, (M-57), Industrial Engineering, 10 hours per week permanent.

The following job openings were listed by the UMC Hospital and Clinics Personnel Department. For more information, call 882-8186.

**ADMINISTRATIVE/PROFESSIONAL**  
**Associate administrator**, ambulatory care activity, University Physicians.  
**Clinical dietitian**, Nutrition and Dietetics.  
**Computer project manager**, Computer Services.  
**Food service supervisor I**, Nutrition and Dietetics.  
**Learning skills specialist**, Learning Disabilities.  
**Manager**, Clinical Engineering.  
**Medical records supervisor**, Medical Records.  
**Pharmacist**, Pharmacy.  
**Supervisor**, Housekeeping.  
**Training and development coordinator**, Education and Training.

**CLERICAL**  
**Clerk II**, Pathology.  
**Clerk typist**, Medical Records.  
**Data entry operator II**, Payroll/Central Processing.  
**Hospital unit clerk**, Nursing.  
**Secretary**, Education and Training, Worker's Compensation.  
**Senior accounting clerk**, University Physicians (3).

**Senior clerk**, Plant Engineering.  
**Senior clerk typist**, Nursing.  
**Senior receptionist**, Patient Relations.  
**Senior secretary**, Financial Services, Nursing.  
**NURSING**  
882-8701

**Administrative nurse I**, Nursing (2).  
**Clinical nurse I**, Nursing (5).  
**Education nurse I**, Nursing (2).  
**Licensed practical nurse**, Nursing.  
**Nurse anesthetist**, Anesthesiology (2).  
**Staff nurse**, Nursing (27).

**TECHNICAL**  
**Biomedical equipment technician**, Clinical Engineering.  
**Computer programmer/analyst II**, Pathology.  
**Infection control coordinator**, Infection Control.  
**Physical therapist**, Physical Therapy (2).  
**Radiological engineer**, Clinical Engineering.  
**Radiologic technologist**, Radiology.  
**Senior biomedical equipment technician**, Clinical Engineering.

**PART TIME OR TEMPORARY**  
**Admissions clerk**, Admissions, 50 percent FTE.  
**Chief clerk**, Nursing, 50 percent FTE.  
**Hospital unit clerk**, Nursing Service, one position 40 percent FTE, another 80 percent FTE.  
**Licensed practical nurse**, Nursing (2).  
**Pharmacy technician**, Pharmacy, 50 percent FTE.  
**Research/laboratory technician**, Pathology, 70 percent FTE.  
**Research nurse I**, Nursing.

## Thursday deadline set for requisitions

The blue employment opportunities list will arrive at departments on Mondays beginning March 26. To provide this earlier mailing, personnel requisitions (UMUW Form 88) must be submitted to Personnel Services, 309 Hitt St., by 9 a.m. Thursdays beginning March 22. The list will continue to be posted at Personnel Services on Mondays, and the five-day posting period of Monday through Friday will not change.

With questions, call Charlie Hunter, senior personnel associate, at 882-4221.

# THE COLLEGE OF VETERINARY MEDICINE

*blends • old fashioned family practice • new specialty technology*



General practitioner Dr. Mar Doering



Ophthalmologist Dr. Cynthia Wheeler

And, at the same time, the College has instituted a

## 10% DISCOUNT ON PET HEALTH CARE

to all University faculty and staff effective February 1, 1984.

The old fashioned type of family veterinary practice has now returned to the College during morning clinic hours. A general practitioner, Dr. Mar Doering, has recently joined the staff to provide the personal touch to your pet's health needs.

And, as always, the new brand of veterinary specialists — surgeons, radiologists, ophthalmologist, dermatologist, cardiologist, etc., — will be available to meet your pet's more serious health requirements.

The general practitioner and the veterinary specialists working as a team of People Who Care For Animals.

To make an appointment for your pet, call

**882-7821**

or

**882-6770**



## Whetting cultural taste Budds

Larry Boehm photo

"I heighten people's expectations," says audience educator Michael Budds about free concert previews.

It is one hour before curtain call. In Jesse Auditorium, the performers, stage hands and members of the orchestra are preparing for an opera of the UMC Concert Series. In the Fine Arts Recital Hall, another group is preparing for tonight's performance. They are listening to music history Instructor Michael Budds.

Budds is talking about tonight's comic opera, "The Mikado."

"Imagine yourself living 100 years ago in London," he begins, "and tonight you're going to the Strand to see Gilbert and Sullivan's 'The Mikado.'"

Budds begins by describing English society at that time. Class structure was pronounced. Blue and red blood mixed like oil and water. There was theater for the masses and theater for the elite. Gilbert and Sullivan was for the masses. But Queen Victoria changed that. She attended Gilbert and Sullivan comic operas and brought the upper crust with her. And to the formerly elite theater,

she brought the masses.

Like Queen Victoria, Budds hopes to bring opera to the masses—the masses who think alto is a brand of dog food. Anyone can enjoy opera, Budds believes, if one learns a little about it.

"I see myself as a popularizer," he says. "I hope that the kind of information I give you would give you a different experience. Satisfaction and pleasure have to do with expectations, I heighten people's expectations. I'm a crusader."

Budds has conducted his concert previews by playing the piano, drawing on a blackboard, and having people dance, sing and play instruments on stage. But the thing that works best at getting his message across is Budds' enthusiasm.

Roger Mitchell, dean of agriculture, is one of many people who has attended his previews. "He's a premier teacher," Mitchell says. "You feel his sense of enthusiasm."

After explaining the history behind

"The Mikado," Budds introduces the main characters: Yum Yum, Peep Bo and Nankee Poo, "a derivative of nin-compoop." "The Mikado" is a parody of Victorian society. Budds relishes playing up the parody in his talk. "Coco is condemned to die because he was caught flirting." Budds pauses, raising his eyebrows. The crowd of about 100 chuckles.

Budds then plays a record of some of the arias he just explained. "There's some really good tunes here and I had a hard time choosing which ones to play for you."

Budds ends his talk 15 minutes before the starts of the show so that his audience will have time to read the program he's prepared. Budds uses different information in the program than in his talk.

As people leave, Budds hurriedly gathers his notes and books. He doesn't want to be late for the opera.—Cynthia Levesque

swer is your tax savings. For example, if a person in a 25 percent tax bracket invests \$2,000 in an IRA, the tax savings is \$500.

IRAs for non-working spouses are limited to \$250 a year and must be in a separate account.

While \$2,000 is the maximum IRA amount, the federal government has set no minimum limit. The exception is when a person earns less than \$2,000; then the IRA investment can be less or equal to total earnings.

Parents might consider opening IRAs for their children in an amount equivalent to the child's summer earnings. This would be a great gift for the child's future and would amount to a great sum after many years, says Elam. This IRA would not qualify as an IRA deduction for the parents.

"It's phenomenal what your money will be worth when you're ready to retire," he says. The contributions are tax deductible and the interest is not taxed until withdrawal begins at retirement or age 59½. The amount withdrawn is taxed as income, but normally the indi-

vidual's income is lower than when the money was invested.

While it is possible to change IRA investment institutions without penalty, this is not true if you want to withdraw your money. The government will charge a 10 percent tax penalty. But don't let the chance of a necessary early withdrawal and penalty scare you away from starting your IRA. "You can leave it in eight years, then if you have to take it out you are still better off than if you didn't do it," Elam says.

Say, for example, you're in a 50 percent tax bracket and have invested \$2,000 for eight years, but, during the eighth year you must withdraw all or part of your IRA money. Although you will be required to pay a 10 percent federal penalty on the amount withdrawn, you will still be ahead financially.

The \$8,000 in tax savings on your \$16,000 investment and the 11-or-more percent interest that has been accumulating tax-free for eight years more than offsets your 10 percent penalty and the 50 percent income tax you will be required to pay.

## New personnel director named

Roland W. Juhnke has been named director of Personnel Services, effective May 7.

Since 1972, Juhnke has been director of personnel services at the University of Wisconsin-Stevens Point, where he also teaches a personnel administration course. He earned the BS degree in social science and the MBA with an emphasis in personnel administration from the University of Wisconsin-Oshkosh.

Former personnel Director Ron Petit resigned in June to become vice president of administrative services with Maron Corp. in Clinton, Md.

## How to arrange for visitor parking

Editor's note: During the next few weeks, the campus parking committee will be considering options to deal with various parking needs. Before presenting its suggestions to Vice Chancellor Norman Moore, the committee would like to hear from faculty and staff. Comments should be sent to Verna Rhodes, parking committee chair, S314 School of Nursing.

Jim Joy, director of parking operations, reminds divisions to make parking arrangements for visitors they invite to campus. Alumni, recruiters and potential students should receive special consideration, adds Betty Cook Rottmann, coordinator of visitor and guest relations and a member of the campus parking committee.

Because visitors' parking is limited, availability cannot be guaranteed, Joy says. "But if parking operations is told far enough in advance, we can attempt to deal with anything."

If parking space is unavailable to guests, Rottmann suggests their hosts offer to transport them to campus from another location.

Currently, there are 122 visitors' parking spaces serving the center of campus, but planned expansion of Ellis Library would eliminate the lot. "When you lose a visitors' lot, you lose twice the space because you can't relocate the spaces to different lots," Joy says. "They all must be in one place."

One possibility is building a parking deck with visitors' spaces near Conley Street. Installing meters at visitors' spaces could help pay for the project. As a full-costed enterprise, parking operations receives no University funding. Instead, it derives its income from parking fees, violation payments, meters and contracts.

In the future, Joy hopes the campus can accommodate more visitor parking. "We want to improve the situation greatly."

## Central Food Stores manager appointed

A.K. Rahman is the new manager of Central Food Stores. Formerly director of food services at the University of Texas at El Paso, Rahman has extensive background in food service operations.

While at the University of Texas, Rahman set up a computer system to improve food service operations. Norman F. Moore, vice chancellor for student, personnel and auxiliary services, hopes the same can be accomplished at UMC. "In particular we want to have a computer linkup with the users to increase their cost control capabilities as well as those of Central Food Stores," he says.

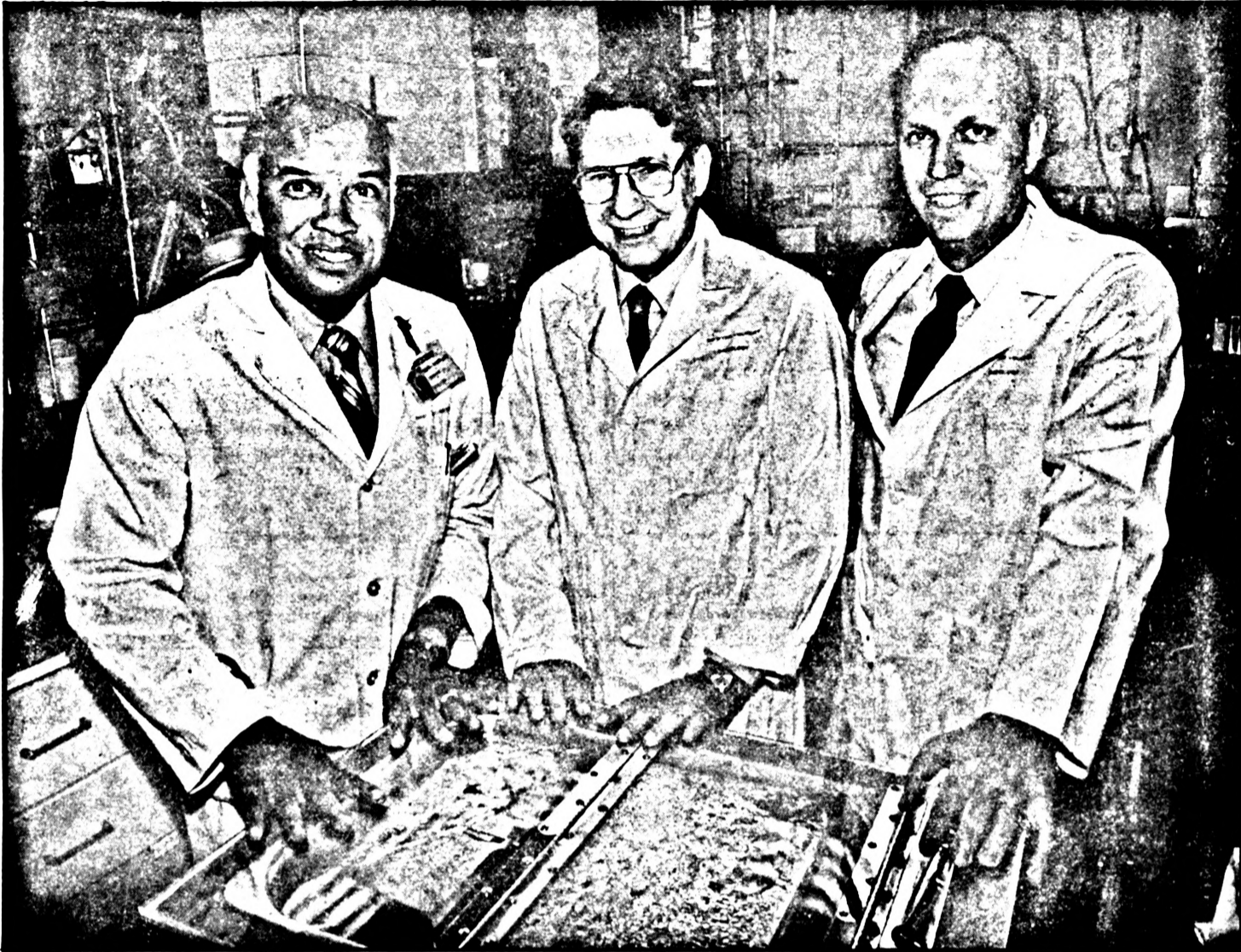
## MONEYLINE

### Uncle Sam invests, too, with IRAs

As tax time draws near, consumers are bombarded with different advertisements for IRAs, individual retirement accounts that are the best way for the average taxpayer to cut personal taxes.

By investing \$2,000 in an IRA, the maximum amount allowed, an individual can reduce his tax bill by \$1,000 if he is in the 50 percent tax bracket. "In effect Uncle Sam is investing \$1,000 in your IRA, too," says Rick Elam, director of the School of Accountancy.

Tax savings for those in other tax brackets are just as easy to figure. Multiply your tax bracket by the amount you have invested in your IRA. The an-



Larry Boehm photo

A drug developed by three Mizzou researchers could someday allow physicians to pinpoint the area of the brain affected by stroke or seizure. From left, the researchers are Richard Holmes, professor and chief of nuclear medicine, chemistry Professor David E. Troutner and radiology Professor Wynn A. Volkert.

## Compound assists in brain diagnosis

*A new radioactive drug developed by UMC researchers is an inexpensive alternative to complex machines for brain examinations.*

"Physicians may soon be able to make x-ray photographs of a single plane of brain tissue similar to those achieved through PET (positron emission tomography), but at a fraction of the cost," says Richard A. Holmes, professor and chief of nuclear medicine at UMC and the Harry S. Truman Memorial Veterans Hospital.

The new drug consists of the chemical propylene amine oxime (PnAO) attached to the radioactive label technetium-99m (Tc-99m).

um-99m (Tc-99m).

"PnAO is great," he says. "Because it has a neutral charge and is lipophilic, it will go through fat. And since all membranes are made of fat, that means PnAO can enter the brain by crossing membranes."

Tc-99m has excellent physical imaging properties, gives off low-dose radiation and is inexpensive.

The combination of the chemical and the radioactive isotope can be used to measure regional blood flow in the brain, Holmes says.

Using the new drug along with a single photon emission computed tomography (spect) camera, researchers will be able to accurately, quickly and economically diagnose many brain disorders.

"And they may eventually be able to pinpoint the area of the brain affected by a stroke, seizure, or other neurological affliction," he says.

David E. Troutner, professor of chemistry, and Wynn A. Volkert, professor of radiology, have collaborated with Holmes to develop and patent the drug.

UMC has signed a licensing agreement with Amersham International, England, selling patent rights to the new compound. The firm will share royalties with the University from selling the drug or its derivatives.

In addition, Amersham has provided Troutner \$100,000 for further chemical analyses of the drug and given \$180,000 to Holmes and Volkert for biological tests.

"Troutner will investigate in what manner and where Tn-99m binds to PnAO," Holmes says. "Volkert and I will use PnAO to measure regional blood flow in the brain and will evaluate the drugs' derivatives in animals."

It will probably take about two years for Amersham to gain government approval to market the new compound in the United States.

In the meantime, Holmes has begun testing the new drug on about 20 people.

"We are the only people in the United States, and for a time in the world, evaluating PnAO," Holmes says. "It's a unique compound. I anticipate we will get some unique information."

## Tips tell cold sufferers when to try home cures

*Drippy nose. Scratchy throat. Feverish forehead. You've caught a cold and wonder whether you should see a doctor.*

With the high cost of health care, you'd rather treat yourself with rest, liquids and your own home remedy. After all, no shot or pill has been developed yet to cure the cold.

In some instances though, when cold symptoms are severe, it's wiser to see a doctor promptly to prevent a more serious illness.

How can you choose the best course?

Physicians at the School of Medicine have developed and tested a list of eight criteria to help you decide whether to go to the doctor.

Testing their criteria on a total of 1,858 randomly selected patients from the Family Medical Care Clinic, Michael C. Hosokawa, professor of family and community medicine; Carl R. Roberts and James D. Turner, formerly of

the UMC medical school; and Peter B. Imrey and Joan M. Alster, of the University of Illinois, found unnecessary doctor visits for treatment of the common cold were reduced 44 percent through patient education.

Half the patients were assigned to the experimental group. Each participated in a five-minute session with a health educator.

The educator said to call a doctor when the cold victim has one or more of the following eight symptoms:

1. An oral temperature above 103 degrees Fahrenheit.
2. A bad pain in the chest, head, stomach, ears or glands in the neck.
3. Shortness of breath or wheezing.
4. A sore throat that is getting worse and an oral temperature above 101 de-

grees F. for 24 hours.

5. A sore throat and an oral temperature above 100 degrees F. for 48 hours.

6. An oral temperature above 100 degrees F. for three days.

7. A fever or sore throat that persists for a full week.

8. A runny nose that persists for a full week.

In addition, patients in the experimental group were given a four-page informational and instructional pamphlet on the common cold, a thermometer, and a chart explaining when to call the clinic about a cold, Hosokawa says.

During the study, the experimental group made 44 percent fewer unnecessary visits to the doctor than did the control group.

"Projected nationwide, nearly 17 million unnecessary doctor visits could be avoided each year. At \$20 per visit, that would mean a savings of \$340 million to the public," Hosokawa says.

But, he adds, "Particularly in times of economic stress, we would caution against any program that would lead people to think they could skip seeing a physician when they really need to."

Results of the 17-month study were published in the Oct. 21 issue of the Journal of the American Medical Association.—Nancy O'Brien





# The Staff For Life Wants To Do Your Paper Work!

## CARE CARD Computer Registration will be held:

March 8 - 9 7:30 - 4:30 Jesse Hall      March 15 8:00 - 5:00 University Hall  
March 16 8:00 - 5:00 Lewis & Clark

The University of Missouri-Columbia Hospital and Clinics preregistration program frees you from the trouble of filling out staff benefits claim forms. UMC Hospital and Clinics will automatically file any of your insurance claims each time you receive treatment at out facilities.

By filling out the simple form below, you and your family can avoid time-consuming paperwork. UMC Hospital and Clinics staff will do the work for you.

(Recent staff benefits changes require that you complete all claim forms for medical care that is received elsewhere.) Shortly after you apply, you will receive a Care Card to identify you as a preregistered UM employee. All you have to do is present the card and your claim is automatically processed — even if you have insurance other than that offered by the University.

Of course, UM employees will continue to receive a 10 percent discount on

all medical services at UMC Hospital and Clinics. This includes ambulance and emergency services, hospital, clinics and physician charges.

When you or your family need medical care, it's good to know that you can count on The Staff for Life at the University of Missouri-Columbia Hospital and Clinics.

If you did not receive a care card brochure in the mail, just clip out the handy registration form to the right. When you have completed it, mail to:

Card Care Registration  
University of Missouri-Columbia Hospital and Clinics  
One Hospital Drive  
Columbia, MO 65212

Attn.: Admissions

It's as simple as that.

For more information call

882-8089

<b>REGISTRATION INFORMATION</b>	
Name _____	Birthdate _____
Address _____ (Zip) _____	County _____
Home Phone ( ) _____	Sex _____ S.S. No. _____
Employment _____	Occupation _____
Address _____ (Zip) _____	Business Phone ( ) _____
<b>INSURANCE</b>	
Company Name _____	Policy No. _____
Address _____	Group No. _____
<b>RELATIVES</b>	
Relative _____	Relation to Patient _____
Address _____	
Home Phone ( ) _____	Business Phone ( ) _____
If you would like Care Cards issued for your spouse and/or children, please list the following information:	
Spouse Name _____	Maiden Name _____
Employment _____	Business Phone ( ) _____
S.S. No. _____	Sex _____ Birthdate _____
<b>Children</b>	
Name _____	Sex _____ Birthdate _____
Name _____	Sex _____ Birthdate _____
Name _____	Sex _____ Birthdate _____
Name _____	Sex _____ Birthdate _____
<i>Pre-Consent Authorization: In the event specific and express authorization cannot be obtained immediately, the undersigned, the parents or guardian of the named children on this form, hereby authorize necessary first aid and/or other necessary treatment for my child/children.</i>	
Signed _____	Date _____

## Free Health Screening for all UMC Faculty and Staff

University of Missouri-Columbia

**Hospital & Clinics**

Wednesday, March 7 10 AM to 2 PM  
General Services Building - Campus Facilities Training Room 111x

Caring For Your Life With The Staff For Life



# CALENDAR

To list events in the calendar, send information to Julie Barbeau, 1100 Tiger Towers, 875-7132, by noon the Friday before publication. All events are free and open to the public unless otherwise noted.

## Highlights

**CHAMBER MUSIC SERIES:** The amusing St. Louis Brass Quintet will perform at 8 p.m. March 2 in Jesse Aud. Tickets cost \$7 for the general public, \$6 for students and \$5 for groups of 10 or more.

**MISSOURI CULTURAL HERITAGE CENTER:** Horticulture Professor Art Gaus will speak on the "Resuscitation of the Missouri Wine Industry," and David Thelen, history professor, will speak on the history of the state's wine industry at noon March 6 in S-16 Memorial Union.

**ENGINEER'S WEEK:** Knighting ceremony will be held at 5 p.m. March 9 in Francis Quadrangle; honor award reception will be at 6 p.m. March 9 in the Faculty-Alumni Lounge of Memorial Union, followed by the awards banquet at 6:45 p.m. in N201-202 Memorial Union.

**CHANCELLOR'S FESTIVAL OF MUSIC:** "An Evening at Aldeburgh" will be presented at 8 p.m. in the Fine Arts Recital Hall. Call 882-3781.

## 2 Friday

**MUSIC WORKSHOP:** The Alexander Technique, "Better Use of the Self: Release from Tension with Special Application to Performance" will be the topic of a workshop 9 a.m.-5 p.m. and 9 a.m.-1 p.m. March 3 at the Fine Arts Recital Hall. Fees are \$15 for students and \$25 for others. Call 882-7460.

**HUMANITIES:** Jill Raitt, professor and chair of religious studies, will discuss St. Thomas Aquinas at 11:40 a.m. in Ellis Aud.

**ORGANIC CHEMISTRY:** Robert Walkup, PhD candidate, will speak on "Metastable Ion Studies: Mass Spectral Fragmentation Mechanism of one-Arylaziridines and Related Homologs" at 12:40 p.m. in 221 Chemistry Bldg.

**MISSOURI INSTITUTE OF PSYCHIATRY:** "Long Term Complications of Psychotropic Drugs" will be discussed by Alan J. Gelenberg of Harvard University Medical School at 1 p.m. in Kohler Aud. in St. Louis.

**FORESTRY, FISHERIES AND WILDLIFE:** "An Overview of the Aquaculture Industry in Missouri" will be presented by Jim Kahrs, owner-operator of Osage Catfisheries, at 1:40 p.m. in 2-6 Agriculture Bldg.

**INTERCOLLEGIATE ATHLETICS:** Committee will meet at 2:30 p.m. in S3 Memorial Union.

**FORESTRY, FISHERIES AND WILDLIFE:** "Impacts of Smithville Reservoir on an Established Resident Canada Goose Flock" will be discussed by graduate student Dave Brakhage at 3:40 p.m. in 112 Lefevre Hall.

**CHEMISTRY:** Michael Gross of the University of Nebraska will speak on "New Mass Spectrometric Technology: Applications of MS/MS/MS" at 3:40 p.m. in 103 Schlundt Hall.

**ASTRONOMY FILM:** "Humanity and the Stars: British-Celtic" will be shown at 7 p.m. in 120 Physics.

**MSA FILM:** "Max Dugan Returns" will be shown at 7 and 9:30 p.m. in Middlebush Aud. Cost is \$1.50.

**UNIVERSITY THEATER:** "J.B." will be performed at 8 p.m. in the Rhynsbarger Theater. Tickets are \$5 for general public, \$4.50 for faculty and staff, and \$2.50 for students and senior citizens. Call 882-7857.

**CONCERT PREVIEW** of the St. Louis Brass Quintet, led by audience educator Michael Budds, will start at 7 p.m. in the Fine Arts Recital Hall.

**CHAMBER MUSIC SERIES:** See Highlights.

## 3 Saturday

**ENGINEERS WEEK:** March 3-10.  
**WOMEN'S CENTER WORKSHOP:**

"Honoring Our Grief," a workshop for those who have lost someone special, will be held from 9 a.m.-3 p.m. in 1 Gentry Hall. Advance registration is required.

**UNIVERSITY FILM:** "Fanny and Alexander" will be shown at 2:30 p.m. in Ellis Library Aud. Cost is \$1.

**EDUCATION ALUMNI** will have a Fun-D Fest beginning at 6 p.m. at the Holiday Inn West Regency Ballroom. Cost is \$25. Call 882-8311.

**MSA FILM:** "Risky Business" will be shown at 7, 9:30 p.m. and midnight in Jesse Aud. Cost is \$1.50.

**UNIVERSITY THEATER:** "J.B." See March 2 listing.

## 4 Sunday

**UNIVERSITY THEATER:** J.B. will begin at 2 p.m. at Rhynsbarger Theater. Tickets are \$5 for general public, \$4.50 for faculty and staff and \$2.50 for students and senior citizens. Call 882-7857.

**FINE ARTS GALLERY RECEPTION** for William Berry and Jean Garrett will be held 2-4 p.m. in the Fine Arts Gallery. Berry's drawings and Garrett's ceramics and fibers will be on display through March 16.

**STUDENT ENSEMBLE SERIES:** The University Philharmonic will perform at 3 p.m. in Jesse Aud.

**ART HISTORY AND ARCHAEOLOGY:** "1889—Tradition and Anti-Tradition" will be discussed by Vera Townsend, associate professor of art history and archaeology, at 3 p.m. in 106 Pickard Hall. Admission by series subscription. Call 882-3195.

**UNIVERSITY FILM:** "Fanny and Alexander" will be shown at 7 p.m. in Ellis Library Aud. Cost is \$1.

**MSA FILM:** "Philadelphia Story" will be shown at 8 p.m. in the Memorial Union Aud. Cost is 25 cents.

## 5 Monday

**EDUCATION:** "Special Education Materials and Effective Practices Conference" will begin at 8 a.m. and run through March 6 at Hearnes. Cost is \$16. Call 882-4660 or 882-3594.

**WOMEN'S CENTER:** "AWS: Past, Present and Future" will be discussed at noon in 1 Gentry Hall.

**HUMAN RESOURCE DEVELOPMENT:** "Effective Speaking" will begin today and continues March 7, 9, 12 and 14 from 1 p.m.-3 p.m. in the Staff Development Conference Room, lower level of Lewis Hall. Call 882-4859.

**BIOCHEMISTRY:** "Uses of Primary Cell Cultures in Zinc Metabolism" will be discussed by Robert Cousins, professor of nutrition at the University of Florida, at 3:30 p.m. in 322 Chemistry Bldg. Cosponsored

by the Nelson Lecture Fund.

**AGRICULTURAL ENGINEERING:** Jack Lysen, engineering experiment station director, and Harry Tyrer, professor of electrical engineering, will speak on "UMC College of Engineering CAD/CAM Facilities" at 3:40 p.m. in 107 Building T-12.

**GOLF RULES CLINIC** will be presented by Dianne Lyon, National Golf Foundation Resource Consultant, at 5:30 p.m. at the Campus Inn, 1112 Stadium Blvd. Cost is \$2.50.

**GRADUATE SCHOOL AND AAUP DINNER:** Dean Franklin, director of Dalton Research Center, will speak on "Project Baboondoggle or How to Catch a Giraffe" at the 6:30 p.m. dinner at the Alumni Center. Cost is \$7.50. Reservation required by noon March 2; call 882-7018.

**STUDENT RECITALS:** Undergraduate Ross Berhardt will present a vocal recital at 7 p.m. and graduate student Roberto Segret will present a cello recital at 8 p.m. in the Fine Arts Recital Hall.

**CONCERT BAND FESTIVAL:** Symphonic Band will perform at 8 p.m. in Jesse Aud.

**MSA SPECIAL EVENT:** Dave Wopat will be the guest at 8 p.m. in Memorial Union Lounge.

## 6 Tuesday

**FACULTY BUFFET LUNCHEON** will be served 11:30 a.m.-1:15 p.m. in N222 Memorial Union. Cost is \$4.50. For reservations, call 882-3327 by 5 p.m. March 5.

**MISSOURI CULTURAL HERITAGE CENTER:** See Highlights.

**STE. GENEVIEVE IN PERSPECTIVE:**

"Opportunity and Inequality: Patterns of Wealth in Old Ste. Genevieve" will be presented by Susan Boyle 2:40-3:30 p.m. in 103 Arts and Science Bldg.

**ART AND ARCHAEOLOGY:** Eric Crozier, foreign scholar and opera producer, will speak on "Thomas Hardy: Novelist, Poet and Musician" at 2:40 p.m. in the Art and Archaeology Museum in Pickard Hall.

**GEOGRAPHY:** "The Essence of the Midwest" will be discussed by James R. Shortridge of the University of Kansas-Lawrence at 3:40 p.m. in 106 Pickard.

**CAREER PLANNING AND PLACEMENT CENTER:** "Work for a Great Company—Your Own!" will be presented 3:40-5 p.m. in 100 Noyes Bldg.

**MSA FILM:** "M" will be shown at 7 p.m. in Ellis Library Aud.

**BIG EIGHT CONFERENCE TOURNAMENT** will be at campus sites through March 7 and at Kansas City Kemper Arena March 9 and 10. Call 882-2386.

**MSA CONCERT:** Jeff Lorber will perform fusion jazz at 8 p.m. in Jesse Aud. Ticket sales will be announced.

**CONTEMPORARY ISSUES FILM:** "Fail Safe" will be shown at 7 p.m. in Electrical Engineering Aud.

## 7 Wednesday

**FACULTY BUFFET LUNCHEON** will be served 11:30 a.m.-1:15 p.m. in N214 Memorial Union. Cost is \$4.50. For reservations, call 882-3327 by March 6.

**MUSEUM OF ART AND ARCHAEOLOGY:** "Ancient Ceramics" will be presented by Museum Associate Rebecca Mersereau at 12:25 p.m. in Pickard Hall foyer.

**JOURNALISM:** Dave Lippman, BJ'53, managing editor of the St. Louis Post-Dispatch, will visit journalism classes for the

school's 75th anniversary. Call 882-7862.  
**WOMEN'S CENTER:** "Meeting of the Minds" will reflect women in history at 7 p.m. in 1 Gentry Hall.

**MSA FILM:** "The Three Musketeers" will be shown at 7 and 9:30 p.m. in Ellis Library Aud.

**GENTRY STUDIO THEATER:** "Veronica's Room" will be presented at 7:30 p.m. through March 10 in the Gentry Hall basement. Tickets are \$1.50 at the door.

**ENGLISH:** "The Poetry of Psychological Pressure: A Reading With Commentary" will be presented by M.L. Rosenthal of New York University at 7:30 p.m. in 210 GCB.

**CONCERT:** "Bach Aria Concert" will be performed at 8 p.m. in the Fine Arts Recital Hall.

## 8 Thursday

**HUMAN RESOURCE DEVELOPMENT:** "Material Handling," which will focus on how to prevent back injuries, will be held 8:15-11:15 a.m. in the Staff Development Conference Room, lower level of Lewis Hall. Call 882-4859.

**GALLERY TOUR:** State Historical Society of Missouri gives a tour of its gallery at 12:30 p.m. each Thursday. The gallery is located in the east wing of Ellis Library.

**STAFF COUNCIL** will meet at 1:15 p.m. in S204 Memorial Union.

**ENTOMOLOGY:** "Development of Larvae of the European Corn Borer Ostrinia Nubilalis in Relation to Temperature Under Field Conditions" will be discussed by graduate student K.B. Simpson at 3:40 p.m. in 2-10 Agriculture Bldg.

**WOMEN'S CENTER:** "Hispanic Women's Voices" will be presented at 7 p.m. in 1 Gentry Hall.

**ENGLISH:** "Oral Tradition Epic Poetry: Distinguished Bearer of Ancient Meaning" will be discussed by Albert B. Lord of Harvard University as part of the Missouri Oral Literature Symposium at 7:30 p.m. in Memorial Union Aud.

**CIVIL ENGINEERING:** "Acid Precipitation Effects on Aquatic Resources" will be the topic of an environmental engineering seminar at 7:30 p.m. in S203 Memorial Union.

**UNIVERSITY FILM:** "Sisters" or "The Balance of Happiness" will be shown at 8 p.m. in Ellis Library Aud. Cost is \$1.

## Exhibits

**ART AND ARCHAEOLOGY:** Contemporary American prints from the museum's collection can be seen through March 25 during regular museum hours, noon-5 p.m. Tuesday through Saturday. Artists represented are Sam Francis, Red Grooms, Jasper Johns, Roy Lichtenstein, Robert Rauschenberg, James Rosenquist and Frank Stella.

**COLUMBIA ART LEAGUE:** A collection of prints by Brooke Cameron, associate professor of art, paintings by Ben Cameron and ceramics by Sue Luger will be on display through March 4 at the Columbia Art League, 27 N. 10th St. The gallery is open 10 a.m.-4 p.m. Monday through Saturday.

**FINE ARTS GALLERY:** Drawings by William Berry, professor of art, and ceramics and fibers by Jean Garrett, assistant professor of art, will be on display through March 16. Gallery hours are 9 a.m.-3 p.m. Monday through Friday and 2-4 p.m. Sunday.

**ELLIS LIBRARY:** Publications by faculty in the College of Education will be on display during March in the first floor lobby exhibit case.

**HISTORICAL SOCIETY:** Original drawings by Thomas Hart Benton for Mark Twain's classic novel, "Huckleberry Finn," are on display 8 a.m.-4 p.m. weekdays through April 4 at the State Historical Society of Missouri, east wing, Ellis Library.

**HISTORICAL SOCIETY:** "Trefts on Wheels" exhibits photographs by St. Louis photographer Charles Trefts of automobiles, trains, buggies, bicycles, trucks, streetcars and more 8 a.m.-4:30 p.m. weekdays through April at the State Historical Society of Missouri, east wing, Ellis Library.

**ELLIS SPECIAL COLLECTIONS:** "Insights: A Sampling from UMC Poets" is on display in the first floor lounge exhibit area during library hours through March 15. Poetry by current and former faculty and student is featured.

## MIZZOU EMPLOYEES CREDIT UNION

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