

MIZZOU WEEKLY

The University of Missouri - Columbia

Oct. 29, 1982

Inside—
Credit Union moves
Mizzou People

Gifts total 35% of goal



United Way contributions received from University faculty and staff totaled 35 percent of UMC's campaign goal as of Oct. 26. Approximately \$46,600 had been received at that time; UMC's goal this year is \$135,000. The Administrative, Hospital and Clinics and UMCA regions had reached nearly half of their respective goals, it was announced.

United Way gifts benefit 26 local agencies, including two nursery schools. Above, children participate in activities at one such agency.

Other United Way agencies include the American Red Cross, Boone County Council on Aging, Columbia Visiting Nurses Association and Meals on Wheels.

UMC updates personnel records

All full-time UMC employees have been asked to verify the accuracy of their official University personnel file.

The form, after being verified by the employee, should be returned to the Personnel Office as soon as possible; full-time UMC employees who did not receive a form should contact Personnel at 882-4221 or stop by 309 Hitt St.

Information on the form is required for a number of reasons, says Ron Petit, director of Personnel. For example, current home addresses are necessary to mail W-2 forms.

Other data are used for reports required by the federal government, says Dick Otto, assistant director of financial planning:

- The Office for Civil Rights requires information on race, citizenship and sex.
- Campus addresses provide a way to

communicate with employees through campus mail, saving on postage.

- Educational level and year completed are required for various reports.
- Information on veterans also is required by the federal government.
- Employee age is required to perform actuarial studies for the retirement program and other staff benefits programs.

Both Otto and Petit stress the importance of keeping accurate information on file for all employees.

Petit explains that when information changes for employees, they should complete a Personnel Data Form. Or they may contact the personnel office.

Otto emphasized up-to-date information is needed for the accuracy of the reports filed by the University.

Faculty Council members vote to drop 4-week summer session

Faculty Council members have decided to eliminate the first four-week summer school session. The decision will be incorporated into guidelines for the academic calendar, which Faculty Council will adopt later this year. Since the calendar will apply during the 1983-84 academic year, the 1983 summer session will still include the first four-week session.

The Council's recommendation last week also included increasing vacation time between segments of the academic calendar. The Council seeks three weeks of vacation after the end of the winter semester, three weeks before the fall semester begins and a four-week break between the fall and winter semesters.

According to a report by Robert Callis, professor of education and chairman of the Council's Academic and Faculty Affairs Committee, the four-week break would give deans' offices adequate time to process personnel actions regarding students in academic difficulty.

Council members who favored the proposal cited low enrollment in the four-week session. In 1982, 489 students were enrolled. "It's not an effective way to use

resources," said Lee Cary, professor of community development.

David Leuthold, Council chairman and professor of political science, noted that the session worked well for only a few departments.

Robert Tsutakawa, professor of statistics, favored the recommendation. "It gets so hectic that students are the losers in the short term courses. They don't learn as much as they should."

However, Sam Brown, professor and chairman of psychology, disagreed. He said he believed the four-week session allows students to earn credits and still have time to find summer jobs. "A number of faculty and students find the session tremendously advantageous," he said.

If approved, the Council's recommendation will not affect the eight-week summer school session, nor special programs in the schools of Law, Journalism and Nursing.

In other matters, the Council discussed sabbatical, development and research leaves. Currently, faculty members who have been with the University six years

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Uehling addresses Faculty Senate

The problems facing graduate education and research need to be confronted in order to alter the situation, Chancellor Barbara Uehling told members of the Graduate Faculty Senate last week.

Predictions of an oversupply of Ph.D.s coupled with declining funds for research create a challenge for UMC, Uehling said.

She pointed out that although UMC "has prided itself as a research institution," its accomplishments have not always matched that image.

The chancellor cited a study in which UMC ranked 75th out of 100 institutions in terms of federal dollars received for research and development in 1980.

In another study, the University was rated 100th out of 116 in its rate of indirect cost recovery, Uehling said. (Indirect costs are department and college administrative costs and other overhead.)

In addition, grants and contracts at the University have decreased \$1.7 million in the past year, Uehling said. Ironically, UMC's applications have been more successful in getting funded, but the number of those applications has dwindled, the chancellor said.

Uehling said she blames the decline in applications on the pessimism of faculty members regarding their chances of receiving funding.

"We have got to continue trying," Uehling emphasized, reminding the group that new sources for research funds, including some from the private sector, are becoming available.

Resources, however, are limited, which

means deciding on the role research is to play in UMC's future. "I hope you can readily recognize we simply cannot spread our resources equally and expect all departments to achieve equally," Uehling said.

A focused direction as well as priorities need to be set for research efforts at the University, she explained.

During a question-and-answer session, Uehling, when asked about funding by industry, replied that several schools are looking at cooperative agreements, such as the College of Business and Public Administration which has proposed a center in which faculty evaluate the likely success of a product or service.

In a question on declining enrollment, Uehling explained that the best predictor continued to be the number of 18-year-olds graduating from Missouri high schools. She said University planners had predicted this year's enrollment within 40 students.

A 29 percent decrease in 18-year-olds is estimated for 1994 over 1978, although a slight increase in this age group is expected for 1987 (a post Vietnam phenomena).

When asked if the decline in the number of proposals and grants was related to the loss of faculty in some areas, Uehling said she didn't know, but pointed out that 16 percent of the faculty in business and public administration have left in the past two years for jobs paying an average of \$10,000 a year more than their salaries at UMC.

In answer to a question on the feelings

(Continued on page 6)

Around the campus

THE 11.2 PERCENT SURCHARGE on student fees for the 1983 winter semester has been rounded to the nearest 25 cents, according to Gary Zwonitzer, associate fiscal operations officer.

That means for part-time resident students, the surcharge has been rounded to \$4.75 per undergraduate credit hour and \$5.25 per graduate credit hour, for total fees of \$47.25 and \$52 for a credit hour.

Full-time resident undergraduate students will pay \$567 (plus a \$24 activity fee) rather than the \$567.12 as reported in last week's Mizzou Weekly. Full-time out-of-state undergraduates will pay \$1,680, plus the \$24 activity fee.

University employees enrolled in classes through the Educational Assistance Program will pay only 25 percent of the surcharge. EAP pays 75 percent of fees for up to six hours of classes per semester (three in summer) for employees classified at least 75 percent FTE who have completed their six-month probationary period.

FALL BACK—Daylight saving time begins at 2 a.m., Sunday, Oct. 31. Turn your clocks back an hour and enjoy a longer weekend.

ELECTION DAY is Tuesday, Nov. 2, and University employees may be excused with pay for up to three consecutive hours to vote. However, this period includes any off-duty time between the opening and closing of the polls. Since polls will be open 7 a.m. to 7 p.m., employees working from 8 a.m. to 5 p.m. may get one hour off with pay to vote.

To be paid for time spent voting, employees must request time off before election day; supervisors may specify the time an employee may be absent to vote.

The Voter Service Committee of the League of Women Voters will offer voter information on election day between 8 a.m. and 4 p.m. To find where you should vote, learn if you are properly registered or which legislative or court district candidates are in your district, call 443-3445 or 442-3606. This information is also available daily at the Boone County Voter Registration Office, 874-7518.

The committee advises voters to make a list of their voting preferences on city, county and state ballot issues before going to the polls to avoid delays and mistakes.

The Columbia Public Library has a ballot issue and candidate voter guide display; Republican and Democratic headquarters are selling the League's statewide "Ballot Issue Guide" for \$1.

The Columbia Missourian Oct. 24 printed background on all local ballot issues and candidates; the Columbia Daily Tribune's Oct. 29 issue will have a voter's guide. Local newspapers will again print copies of the ballot Sunday or Monday.

GENERAL EXPENSE CHECKS will be written only once a week as of Nov. 15 in an effort to reduce administrative costs. The checks will be written on Monday nights.

The policy applies to non-payroll items, such as vendor invoices, association dues, subscriptions, employee travel reimbursements and student financial aid. Payroll and retirement checks will continue to be written under current schedules.

It is estimated that more than \$200,000 in annual savings will result from the change.

Libby Miederhoff, manager of accounting services at UMC, suggests that departments keep the change in mind when preparing or approving vouchers so that checks can be written and be available when needed.

For more information, call your respective accounting department: UMC-Miederhoff, 882-2852; UMca-Lois Sublett, 882-6792; or Hospital-Kay Frentzel, 882-2901.

THE UNIVERSITY ASSEMBLY LECTURES FUND is available to help bring distinguished speakers to the UMC campus. To apply for sponsorship of a lecture, send the following information to Donald A.B. Lindberg, director, Information Science Group, 605 Lewis Hall:

Department, name and address of person(s) making request, name and address of the speaker, title of lecture, outline of speaker's credentials, resume if available, time, date and place of lecture, and amount requested (transportation, food and/or lodging, honorarium).

In addition, include a cover letter stating other sources of funding and amounts of available support for the event.

To be considered for sponsorship, lectures must be free and open to the public, and should be of wide interest.

Application deadline is Nov. 12, but later submissions will be considered until funds are depleted.

THE RESEARCH ASSISTANCE ACT steering committee has been named by UM President James C. Olson. Members will review research proposed by University faculty to benefit the Missouri economy.

UM committee members are: UMKC Chancellor George A. Russell, chairman; Donald H. Driemeier, UMSL dean of business and administration; Max Lennon, UMC dean of agriculture; and John T. Park, UMR professor and chairman of physics.

Other committee members are: Marvin D. Marks, corporate vice president for engineering and research, McDonnell Douglas Corporation of St. Louis; Missouri House Representative David Steelman of Salem; and Wendell C. Putnam, vice president for petroleum operations, Farmland Industries of Kansas City.

The committee will recommend its choice of projects to be funded to the president, who will review the proposals and make a recommendation to the Board of Curators for final approval.

Under the Research Assistance Act, the state will pay one-third the cost of research projects that will enhance employment opportunities in the state; the remaining expenses must be paid by a source other than the state or federal government.

CAMPUS TELEPHONE DIRECTORIES are for sale at \$2.50 each in both the University and Missouri bookstores. No University ID is required this year to purchase the directory.

GOING, GOING... "Mizzou For Sale," an annual fund-raising auction, will be from 7 to 9 p.m. Nov. 3 in the Memorial Union Auditorium. University faculty and alumni and Columbia merchants will donate time, talent and merchandise to be sold to the highest bidders; proceeds will go to the UMC Students Foundation's Scholarship fund.

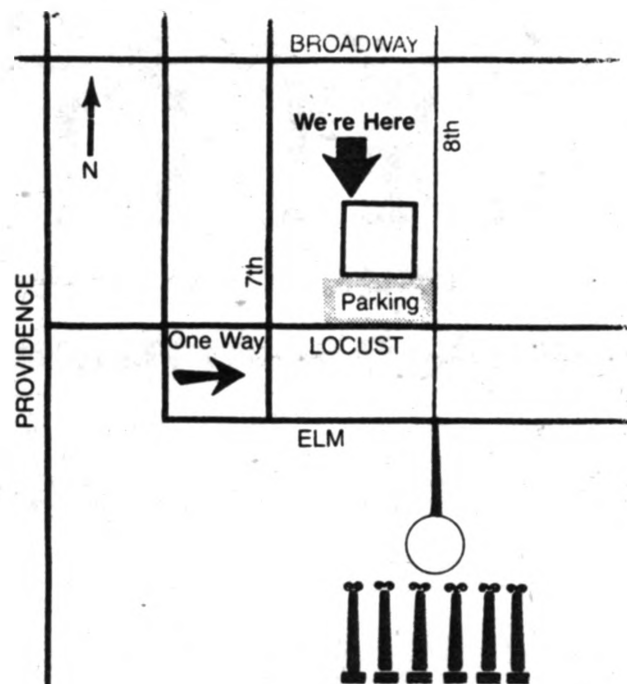
Items on the auction block will include an original "Beetle Bailey" cartoon by alumnus Mort Walker, dinners prepared by professors Ted Tarkow, Bill Bondeson and Mac Jones and a catered tailgate party with tickets to the Kansas University-UMC football game.

Admission to the auction is free; call 882-6511 for more information.

THE UMC CONCERT SERIES will feature violinist Pinchas Zukerman at 8 p.m. Nov. 1 in Jesse Auditorium. A former First Prize winner in the Twenty-Fifth Leventritt International Competition, Zukerman currently is music director of Serenades, the June Festival at Carnegie Hall.

Pianist and composer Marc Neikrug will be Zukerman's sonata partner. They will perform works by Beethoven, Mozart and Saint-Saens.

Mizzou Credit Union moves



Mizzou Employees Credit Union is moving from the Professional Building to 721 Locust St. Monday, Nov. 1. The new location is two blocks from campus and has ample parking, says Hal James, credit union manager.

The new office will house the credit union's entire operation, as the Tandy Avenue location will be sold.

Hours at the Locust Street location will be 7:30 a.m. to 5:30 p.m. Monday through Friday; the office will be closed for one hour every Tuesday from 9 to 10 a.m. The credit union's new telephone number will be 874-1477.

Tickets are \$10 public and \$9 students; they will be available at the Jesse Hall Box Office Oct. 29 and Nov. 1 from 10 a.m. to 4 p.m.

UNIVERSITY VEHICLES need to be ready for cold weather, says Kee Groshong, assistant business operations officer. Make sure there is enough antifreeze in the radiator to prevent damage to vehicles from freezing, he advises.

Also, state law requires all University-owned vehicles with official license plates to pass the Missouri vehicle inspection test. The law applies to passenger cars, trucks, suburban scooters and other similar vehicles that require license plates.

A state inspection sticker in the lower left corner of the windshield indicates the month inspection is due each year. During that month, the unit responsible for the vehicle should schedule an inspection. Required repairs or adjustments must be performed before an inspection sticker is approved.

"AMERICA'S FUTURE AND THE WORLD REVOLUTION" will be the topic of Eldridge Cleaver, former leader of the Black Panther Party, who will speak at 7 p.m. tonight in the Memorial Union Auditorium.

His discussion will focus on Reaganomics, The Crisis of Capitalism, America and South Africa, Poland and Terrorism and Violence.

The author of *Soul on Ice* and *Soul on Fire*, Cleaver has traveled the world in international revolutionary circles.

His lecture is sponsored by the UMC Legion of Black Collegians and the Collegiate Association for the Research of Principles.

THE UNIVERSITY ASSEMBLY LECTURE at 8 p.m. Nov. 4 will feature John Anderson, professor of medicine, King's College Hospital in London. His topic is "A New View of Medical Education," a discussion of the response of medical education to the use of computers and automated information systems in medicine and society.

The lecture will be in the Memorial Union Auditorium; a reception will follow

in the Alumni Lounge.

Co-sponsors of the lecture are the Information Science Group and the departments of Medicine, Radiology, Pathology, Industrial Engineering and Computer Science.

THE STATLER BROTHERS, named best vocal group 24 times by four national organizations, will perform at 7 p.m. Nov. 14 in the Hearnes Multipurpose Building.

The country music group has released 20 albums and 30 singles since the 1950s.

Also appearing with the Statler Brothers will be Ricky Skaggs, recently named the Country Music Association's "Male Vocalist of the Year."

Tickets are \$9.50, \$8.50 and \$7.50 and are on sale at the Hearnes box office from 9 a.m. to 5:30 p.m. Monday through Friday and 10 a.m. to 2 p.m. Saturday.

Mail order tickets are available by writing to Statler Brothers, Box F, Columbia, MO 65205. Make checks payable to UMC and include \$1 for handling charges.

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MIZZOU PEOPLE

Agronomist's new device tells farmers when to irrigate

A simple new device that quickly tells farmers if their crops need irrigation could save thousands of gallons of water annually and improve yields, says a UMC agronomist.

Given the growing scarcity of water, the rising cost of pumping it and the hard

times farmers are facing, the device, a moisture tension radiometer, should be a boon to those who irrigate, believes Ellis Graham, associate professor of agronomy.

"It's usually difficult or impossible to tell by the eye alone if most crops need

water. A tool like this eliminates the guessing game farmers have to play," says Graham.

Present methods of measuring plant moisture are time-consuming and tricky. Graham's moisture tester is fast and simple to operate, yet accurate within 1/10 of 1 percent.

"Everyone knows plants need water, but few realize that during certain critical periods too little or too much moisture can mean the difference between a big crop or no crop," says Graham, an agronomist for 40 years.

For example, a shortage of moisture in early summer, when corn produces tassels, can reduce yields even though growing conditions may be ideal during the rest of the season.

Graham's moisture tester lets farmers measure the water tension of a plant leaf in five seconds, compared to almost an hour required by the current method. This speed makes it practical to measure several plants in a large field, which gives a better picture of the moisture situation. And, measurements can be repeated during the course of irrigation, to determine when just enough water has been applied.

Although the biochemistry involved is complex and only partly understood, the moisture tester is based on a simple principal: The less moisture in a leaf, the more red light will pass through it.

The new instrument, built by John Uhlig of the UMC College of Engineering electronics laboratory, exploits this phenomenon. By shining a light of known intensity on a leaf and measuring the light that passes through, the moisture tension can be inferred. Graham has found the results given by the new method correlate very closely with older, established methods of measuring moisture.

To use the moisture tester, a farmer places a leaf in a clamp. On one side is mounted a light source, on the other a light-sensitive photo transistor. He squeezes the clamp together, sending an electrical signal to a small box.

The box contains batteries that power the light, as well as solid-state electronic circuitry and a liquid crystal display, like those in digital watches. The display indicates how much light the leaf transmits. Referring to a simple chart, the user finds the number displayed and the corresponding moisture tension value.

Graham originally used the sun as the light source, but found it unsuitable, and not just on cloudy days. Even in clear weather, humidity and airborne dust

caused the light to vary far too much for the precise measurements required. Uhlig replaced the sun with a standard light source.

Many other refinements have been made since the basic design was developed, Graham notes.

"Because various species absorb light differently, we found that photo transistors with different sensitivities work better with some plants than with others. And we've made many changes to insure light readings are consistent and reliable," Graham says.

Graham has already developed light absorption/moisture tension graphs for corn and soybeans and is contemplating doing several others, including apples, bananas and avocados.

Apple trees, Graham says, show no outward signs of moisture deprivation until they are near death. An accurate measure of apple tree moisture would not only save trees, it could help growers produce consistently large apples by maintaining a suitable moisture level.

Graham has also tested his moisture tension radiometer on tropical plants in Hawaii. Growers there have recently discovered that pineapples respond well to irrigation.

But, fresh water is relatively scarce in Hawaii. Energy costs for pumping are high too, making irrigation still more expensive. Yet careful measurement of leaf moisture could maximize pineapple production while using the least amount of irrigation, Graham believes.

While excited about the immediate practical applications of his device for farmers, Graham also expects it to be of great benefit to plant scientists.

"Since red light is used in the photosynthesis process, I believe that the radiometer is really measuring photosynthesis. Because the photosynthesis rate is directly related to moisture tension, an indirect measure of photosynthesis will be given by moisture tension. If that is proven, we'll have a very valuable tool for plant breeders," Graham says.

For example, some trees actually photosynthesize rapidly only a few weeks per year, while others do so for months. A quick way to measure photosynthesis will help scientists select new plants that are the most productive.

Graham has applied for a patent on the device, which he hopes will be commercially available in another year.

--Larry Myers
News Services



Mary Lee Fratcher

Ellis Graham

People

J. WENDELL MCKINSEY, assistant dean of the College of Agriculture, has been recognized for his contributions to international agricultural development.

In a special U.S. Department of Agriculture awards ceremony held May 26 in Washington, D.C., McKinsey was presented a 1982 International Honor Award for his contributions to the international training program of the USDA's Office of International Cooperation and Development. McKinsey administers UMC's in-

ternational agriculture programs. Since joining the UMC faculty in 1946, he has served as a faculty member in the Department of Agricultural Economics until 1964, was chief of part of the UMC technical assistance team in India from 1964 to 1969, and has been involved in the College of Agriculture's international programs since his return to Columbia in 1969.

CHRIS J. JOHANNSEN, professor of agronomy, was presented the 1982 Distinguished Service Award from the Missouri Association of Soil and Water Conservation Districts at their annual

meeting July 20 in Jefferson City. The annual award was presented to Johannsen for his educational efforts and support of soil conservation programs in Missouri.

WILLIAM R. KIMEL, dean of the College of Engineering, has been selected president-elect of the Missouri Society of Professional Engineers.

The society, which operates within the state as an affiliate of the national society, represents all branches of engineers and emphasizes the professional, ethical, economic, political and social aspects of engineering.

The University's SPORTS INFORMATION department earned runner-up honors in its district for its 1981 football programs in the annual contest conducted by the College Sports Information Directors of America.

The contest, which was held in East Lansing, Mich., judged layout, design and general editorial content.

BOB BRENDEL, assistant sports information director and editor of the programs, finished second behind the University of Oklahoma in District V. The University's programs won the competition in 1979.

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People

(from page 3)

KENNETH C. SCHNEEBERGER, professor of agricultural economics, has been appointed assistant dean of the College of Agriculture and assistant director of the Agricultural Experiment Station.

Schneeberger has been with the University since 1968. His new responsibilities will involve administration of research facilities outside Columbia including units at the Southwest Missouri Center in Mount Vernon, the Delta Research Center in Portageville, North Missouri Center in Novelty and Forage Systems Research Center in Linneus.

Schneeberger replaces Homer J. L'Hote, who retired June 30 after a 38-year career at the University.

BARBARA OLSON SMITH, senior secretary to the chairman of the Department of Special Education, and **MARGIE MILLER**, administrative secretary to the director of the University Hospital and Clinics, have attained the rating of Certified Professional Secretary (CPS).

The two-day, six-part examination is given once a year and covers business law, accounting, behavioral science, office procedures and administration, economics and management and secretarial skills and decision making.

Only 53 secretaries in Missouri attained the CPS rating in 1982. There are 519 Certified Professional Secretaries in the state.

Smith is a charter member of the University Chapter, Professional Secretaries International and served as chapter president in 1979-80 and as southwest district member, International Secretary of the Year Committee last year. She is also a member of Columbia Business and Professional Women's Club, Women's Network and the UMC Status of Women Committee.

Miller is a member of the University Chapter, PSI. Former Ways and Means chairman of that organization, she has worked for the University 10½ years.

HUGH E. STEPHENSON JR. has been elected chief of staff at the UMC Hospital and Clinics. Stephenson, who also represents Missouri physicians as a delegate to the American Medical Association, was previously the Hospital's chief of general surgery.

He received his undergraduate degree from UMC in 1943 and his medical degree from Washington University.

Stephenson was also recently honored by the Washington University Medical Center Alumni Association, which presented him with an Alumni Achievement Award at their annual banquet in May.

MARGARET KRAEUCHI, director of communications College of Engineering; **SHARON CURRY**, News Services senior information specialist; and **KAREN WORLEY**, associate editor of *Missouri Alumnus* magazine, have been named winners in the annual Missouri Press Women's Communications Contest.

Kraeuchi won first place in the public relations, promotion, publicity and miscellaneous materials class for a slide show used to recruit engineering students.

Curry received first place for public relations, promotion and publicity news releases; second place for feature story in a magazine of general or specialized circulation and third place for feature story in an internal publication.

Worley won first place for news reporting and first place for feature story in a magazine of general or specialized circulation.

All first place entries are eligible to compete in the National Federation of Press Women's Communications Contest.

BARBRA A.B. HORRELL, a continuing education coordinator in the UMC School of Medicine, has received the American Society for Training and Development's Torch Award for Contribution to Community/Nation.

The award is presented annually to a national ASTD member who has excelled "in human resource development through contribution to community and/or nation by service to the public on a volunteer, non-compensated basis."

The award was presented at ASTD's 38th National Conference and Exposition in May in San Antonio, Texas. ASTD has about 3,000 members internationally.

Horrell is involved in many community projects. She has chaired the Mayor's special committee for the Commemoration of Black Columbians and also helped to establish UM's Black Alumni Committee, which she now chairs.

In addition, she recently finished a three-year term on the executive board of the United Way of Columbia. She is a member of the Chancellor's Status of Women Committee, the Personnel Advisory Board for the City of Columbia, McCambridge Center's Advisory Board, as well as special advisory committees for the Columbia Public Schools' Vocational Educational Department.

ELMER W. LOWER, former president of ABC News, has been appointed dean of the School of Journalism for the 1982-83 school year. A professor at the school for the past several years, Lower will hold the post while the search for a permanent dean continues.

Lower, a native Missourian, has held executive positions at ABC and NBC and was also a UPI bureau manager in Jefferson City.

JOHN M. FAY, director of development at Drake University, Des Moines, Iowa, has been named assistant vice chancellor for development at UMC.

Fay replaces Stanley McAnally, who left UMC to become vice president for university relations and development at Southern Illinois University, Carbondale.

As assistant vice chancellor, Fay will head fund-raising operations involving business and industry, corporations, foundations and individuals. A 10-year veteran in administrative service, Fay coordinated all fund-raising activities related to Drake University's recent \$25 million capital campaign, supervising five professional divisions. Prior to that, he was director of development at St. Francis Hospital in Milwaukee.

Fay holds a bachelor's degree in public relations from Central Missouri State University in Warrensburg and also has done master's work in guidance and counseling there.

DALE KENNEDY, director of bands at Wichita State University, has been named director of bands at the University.

Kennedy will have administrative responsibility for the total band program. He will serve as conductor of the principal concert wind group and also will be primarily responsible for Marching Mizzou. For the 1982 Marching Mizzou season, Kennedy will be assisted by music faculty members Frank Krager and Bob Henry.

Kennedy's appointment is part of the music department's band reorganization plan initiated in the spring after the retirement of Professor Charles Emmons and the appointment of Associate Professor Alexander Pickard as the assistant chairman of the music department.

Kennedy holds a master's degree in music from the University of New Mexico and a doctorate in music from the University of Oklahoma. He was founding director of bands at Richland College in Dallas, where he helped establish a highly respected instrumental music department. While chairman of music education at Oklahoma City University, he was assistant band

director, conductor of the jazz band, supervisor of student teachers and professor of clarinet.

THOMAS W. SHAUGHNESSY has been named director of libraries for the UMC campus. Currently assistant director of the University of Houston libraries, Shaughnessy will assume his post Nov. 1. He holds a doctoral degree in library science from Rutgers University and was associate dean of the University of Southern California School of Library Science for four years. He will supervise a staff of 170.

Three UMC faculty members were recently elected to national professional society responsibilities for 1982-83. They are: **LUTHER HUGHES**, associate professor of agronomy, chairman-elect of the Student Advising Section, American Society of Agronomy; **JERRY NELSON**, professor of agronomy, chairman-elect of the Crop Physiology Division, Crop Science Society of America; and **DAVID SLEPER**, associate professor of agronomy, chairman-elect of the Crop Quality Division, Crop Science Society of America.

CHRIS J. JOHANNSEN, professor of agronomy, was named to the Earth Resources Panel of the Space Applications Board of the National Research Council to assist in determining applications of space systems during the 1990s. In addition, he was recently presented the 1982 Distinguished Service Award from the Missouri Association of Soil and Water Conservation Districts. The award recognizes Johannsen's educational efforts and support of soil conservation programs in the state.

Johannsen has also been elected president of the Soil Conservation Society of America. The society has a membership of more than 14,000 professionals interested in good land use.

THOMAS C. BURTON, professor of ophthalmology, was recently elected as a member in the American Ophthalmological Society at its 118th annual meeting.

The society, the oldest ophthalmological group in the world, is limited to about 200 members, and acceptance is granted only after a review of each applicant's credentials as well as the acceptance of an original thesis.

Burton submitted a manuscript entitled "Recovery of Visual Acuity after Retinal Detachment Involving the Macula."

ROBERT BURNS, professor and chairman of the Department of Ophthalmology, is also a member of the AOS, and **CARL IDE**, professor of ophthalmology, has been approved to submit a thesis.

JOHN A. KUEHN, who holds a joint appointment in the University's departments of Community Development and Agricultural Economics, received the U.S. Department of Agriculture Superior Service Award.

Kuehn shared the award with Marlys Nelson of Stillwater, Okla., in recognition of their work in a project to assist local communities in making decisions about public services. Their project included guidance on nursing homes, fire protection, water, sewers and solid waste.

Kuehn is employed by the Economic Research Service.

ROBERT F. KAHRs has been appointed dean of UMC's College of Veterinary Medicine and professor of veterinary microbiology, effective December.

Kahrs is currently professor and chairman of preventive medicine in the College of Veterinary Medicine and professor of immunology and medical microbiology in the College of Medicine at the University of Florida in Gainesville.

Kahrs worked in private, rural veterinary practice in New York state seven years before becoming a research

assistant in Cornell University's Department of Veterinary Microbiology in 1961. During his 15-year tenure at Cornell, Kahrs also served as professor of veterinary epidemiology and associate dean for predoctoral programs. He joined the University of Florida faculty in 1978.

An alumnus of Cornell University, Kahrs received a doctorate in veterinary virology in 1965 and a doctor of veterinary medicine in 1954 from there.

Since leaving private practice, Kahrs has been involved in field and laboratory investigations of infectious diseases of livestock, principally viral diseases of cattle.

Professor Willard H. Eyestone, who has served as interim dean since March 1981, will return to his faculty appointment.

RICHARD L. (DICK) LEE, agricultural editor and director of extension information at the University, was named winner of the Agricultural Communicators in Education's (ACE) Professional award, the organization's highest honor at the ACE national meeting in Biloxi, Miss.

Lee was cited for his 30 years of contributions to agricultural journalism and service to the media.

He is a teacher, student adviser, writer, editor, photographer, author of several refereed journal articles, and director of the activities of a staff of 16 faculty and professional information workers.

WENDELL MCKINSEY, assistant dean of the College of Agriculture and director of the College's international programs, has been elected chairman of the Board of Institutional Representatives for the Small Ruminant Collaborative Research Program.

The research is conducted in the agricultural experiment stations of 12 U.S. universities and in research institutions in Brazil, Peru, Indonesia, Kenya and Morocco.

JAMES G. THORNE, associate professor in the College of Veterinary Medicine, has been appointed director of the Veterinary Continuing Education & Extension Office. Thorne has taught large animal medicine at the University since 1974 and has directed the college's Large Animal Clinic since 1976.

Before coming to the University, Thorne taught at the University of Georgia. He is also the former director of veterinary services at Bergstrom Air Force Base in Austin, Texas.

Thorne is a diplomat of the American Board of Veterinary Practitioners, which is the certifying board for general practitioners.

MIKE NOLAN, chairman and professor of rural sociology at UMC, directs the Missouri Agricultural Experiment Stations project, with overseas components in Peru, Brazil, Indonesia and Kenya.

HOMER J. L'HOTE, assistant dean of the College of Agriculture and associate director of the Agricultural Experiment Station, was recently honored by Gamma Sigma Delta, the Honor Society of Agriculture. The society recognized L'Hote's 38 years as treasurer of the international organization and dedicated its 1982 Biennial Conclave, held on the University of Nebraska campus, to L'Hote.

UMC co-workers and friends recognized L'Hote's 43 years of service to the College of Agriculture with a reception June 17 in the Memorial Union.

L'Hote, who retired June 30, joined the University as a research associate in agricultural economics in 1937 and, with the exception of a two-year period from 1945 to 1947, has been a member of the University faculty or administrative staff since.

(Continued on page 6)

Footnotes

COLLEGE OF AGRICULTURE

HERBERT F. LIONBERGER, professor emeritus of rural sociology, and PAUL H. GWIN, professor emeritus of extension education, have published *Communication Strategies: A Guide for Agricultural Change Agents*.

The book was printed by the Interstate Printers and Publishers Inc., Danville, Ill.

DEPARTMENT OF ANTHROPOLOGY

CARL H. CHAPMAN, professor, has received a \$100,000 National Endowment for the Humanities grant for his project, "A Multidisciplinary Approach to Cultural Change in Osage and Missouri Indian Life, 1675-1835." The multidisciplinary research strategy will provide information on changes in technology, subsistence, trade relations and internal and external social-political relationships resulting from native Missouri tribe contacts with other Indian groups and Euroamericans.

Chapman was the featured speaker at the annual meeting of the Ste. Genevieve, Mo., Foundation for Restoration on July 15. He discussed "Archaeology, Indians and Ste. Genevieve."

Graduating seniors in the College of Agriculture have selected three faculty members to be recognized for the concern they exhibited for students as faculty advisers.

They are: LUTHER B. HUGHES, associate professor of agronomy; WILLIAM STRINGER, professor of food science and nutrition; and DAVID H. TRINKLEIN, assistant professor of horticulture.

DEPARTMENT OF ART HISTORY AND ARCHAEOLOGY

WILLIAM BIERS, professor, HOMER THOMAS, professor, David Soren and Jose Cairo are participants in the excavation in Mirobriga, Portugal. The Enid and Crosby Kemper Foundation has donated \$20,000 to support the excavation.

Other sponsors are the National Geographic Society, The UMC Museum of Art and Archaeology, the Portuguese Department of Antiquities, the UMC Research Council and the Bill Byler family.

Work on the site began in 1981 at the invitation of the Portuguese government and is the first joint American-Portuguese archaeological survey ever conducted.

ALBERT LEONARD JR., associate professor of archaeology, has published a monograph that is part of a series on excavations in the Egyptian Delta. It is called *Cities of the Delta, I: Naukratis*.

WILLIAM BIERS, professor of archaeology, is Parker Visiting Scholar at Brown University, fall 1982. He will present a colloquium at the Center for Old World Archaeology and Art, Brown University, entitled "The Plastic Vase in Antiquity: The Attic Experiment."

PATRICIA CROWN, assistant professor of art history, chaired a session entitled "Social Issues in Eighteenth Century Painting" at the Midwest American Society for Eighteenth Century Studies, at Northern Illinois University recently.

DEPARTMENT OF BIOLOGICAL SCIENCES

GERALD SUMMERS, assistant professor, recently presented a paper, "Evaluation of a Mastery-Learning Strategy in College Biology Laboratory Classes" at the Annual Convention of the National Association of Biology Teachers in Detroit. Summers was also invited to make a major presentation before the 14th Annual Conference of the International Congress for Individualized Instruction, meeting at Purdue University. His topic at the latter meeting was, "Evaluation of Individualized Instruction in College Biology Laboratory Classes: Mastery Requirements and Student Achievement."

COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

ROBERT B. DENHARDT, professor, presented two papers at the recent meeting of the American Political Science Association in Denver. Earlier he participated in the doctoral consortium for the Public Sector Division of the Academy of Management in New York.

DEPARTMENT OF CHEMISTRY

T.C. WONG, director, L.B. MENDELSON, H. GROSSMAN and H.F. WELLENSTEIN have published "Compton Defects and Asymmetries in Free Atoms," *Phys. Rev. A*, 26, 181-185, 1982.

T.C. WONG, director, and K.R. JEFFREY have published "Molecular Motion in a Magnetically Aligned Lyotropic Liquid Crystal System, a Deuteron Nuclear Magnetic Relaxation Study," *Molecular Physics*, 45, 1-12, 1982.

E.O. SCHLEMPER, professor, has published "2, 2'-Dihydroxybenzophenone," *Acta Cryst*, B38, 1619-1622, 1982.

JOHN MCCORMICK, assistant professor, was recently awarded a \$246,000 grant from DHHS to study fluoride labeling in biosynthesis studies.

T.C. WONG, director, was awarded a \$23,000 extension of his grant with NSF on NMR investigations of water dynamics.

ROY KIORTYOHANN, professor, has received \$75,919 from NSF for his research entitled "High Resolution Profiling as a Means of Studying Fundamental Parameters in the Inductively Coupled Plasma."

JOHN BAUMAN, professor, and S.K. BANERJI, professor of civil engineering, have been awarded \$42,632 from EPA to evaluate silicate and phosphate compounds for corrosion control in water distribution systems.

STANLEY E. MANAHAN, professor, has received a \$31,425 research contract from the U.S. Department of Energy Laramie Energy Technology Center for Sept. 20, 1982 to Sept. 30, 1983 for a research project entitled "Characterization of In Situ Synthetic Fuels Conversion By-Products for Indicator Species, Contamination Potential, Interaction with Mineral Strata and Amenability to Treatment."

DEPARTMENT OF CLASSICAL STUDIES

MEYER REINHOLD, professor emeritus, presented "Early American Uses of Ancient History and Political Institutions," Oct. 19 at Brown University; "A Guide for Princes and Ordinary Men: Plutarch's Influence on Americans from Cotton Mather to Emerson," Oct. 20 at Brown University; and "Periodization: A Problem in Western Historiography: The Ancient World," at a meeting of the New England Historical Association at the University of New Hampshire, Durham, Oct. 23. In addition, his book, *Toward a History of Classical Learning in America* will soon be published by Wayne State University Press.

DEPARTMENT OF ENGLISH

M. GILBERT PORTER, professor, has published Ken Kesey's *Fiction, The Art of Grit*. He is also the author of *Whence the Power? The Artistry and Humanity of Saul Bellow*. His article, "The Scene as Microcosm in Sometimes a Great Notion," appeared in the fall 1982 issue of the *Alaska Quarterly Review*. A reprint of a chapter from his book on Saul Bellow has appeared in the *Saul Bellow* issue of *Seminars on Modern English and American Literature*.

JOHN R. ROBERTS, professor, returned recently from Cambridge University, England, where he was visiting scholar during the Easter term. In addition to visiting England, Roberts also traveled in Holland, Germany and Italy. In Saarbrücken, Germany, he presented an invited lecture on the poetry of John Donne. While in Europe, he did research on a forthcoming annotated bibliography of criticism of Richard Crashaw, a 17th century poet. Roberts has also been appointed to the editorial board of the *John Donne Journal: Studies in the Age of Donne*, which will begin publication in 1982.

SPEER MORGAN, professor, is a visiting writer in fiction at the University of Texas at Austin during the fall semester.

MARY LAGO, professor, has been elected a Visiting Fellow at St. Edmund's College, a postgraduate college of Cambridge University. She is doing research at Cambridge during the 1982-83 academic year.

TIM MATERER, professor, has co-authored an article, "Far Flung Vortices and Ezra's 'Hindoo' Yogi" which appeared in the spring 1982 issue of *Paideuma: A Journal of Ezra Pound Scholarship*.

J. ROBERT BARTH, chairman of the English department, acted as co-chairman of a panel on Ph.D.-granting institutions for the Association of Departments of English Seminar at Northern Illinois University in June, and in August delivered a paper on "Coleridge's 'Constancy to an Ideal Object'" at the international Wordsworth Conference in Gramere, England.

WALTER C. DANIEL, professor and director of the College of General Studies, is the author of a book released in early September by Greenwood Press, Westport, Conn. *Black Journals of the United States* a collection of historical and critical profiles of 103 black magazines published between 1827 and 1980, is the first issue of Greenwood Press' historical guides to the world's periodicals and newspapers.

COLLEGE OF EDUCATION

BOB R. STEWART, professor of agricultural education, recently presented two papers at the Central Region Research Conference in Lincoln, Nebraska. The papers were entitled "Teacher Effectiveness: Factors to be Evaluated" and "The Problem Solving Approach as Related to Questioning Strategies of Student Teachers of Vocational Agriculture." In addition, Stewart was also asked to critique the papers presented at one session of the research conference.

WAYNE DUMAS, professor, and TOM WEIBLE, associate professor of curriculum and instruction, co-authored an article entitled "Secondary Teacher Certification Standards in Fifty States." This article was published in the July-August issue of the *Journal of Teacher Education*.

NORMAN GYSBERS, professor, has received a \$52,971 grant from Ohio State University to develop six career-guidance training modules. Five will provide counselors with the skills for student counseling services; the other module will help career guidance personnel develop skills to establish a link with community career guidance programs. Gysbers is providing technical assistance to guidance teams representing 17 states.

In addition, Gysbers recently completed a competency-based curriculum for counselors who work with CETA participants on a \$19,262 grant from the Missouri Division of Manpower Planning.

BOB R. STEWART, professor of agricultural education and MICHAEL DYRENFURTH, professor of industrial education, collaborated to present testimony to the National Commission on Excellence in Education. The paper was entitled, "Comments on Excellence in Education with a Particular Focus on Vocational Education" and was delivered to a panel in Denver in September.

JAMES R. KOLLER, associate professor of educational and counseling psychology, presented a paper entitled "Stanford-Binet and PPVT: A Comparison of Matched Scores Across Five Levels of Subaverage Intelligence" at the 106th national meeting of the American Association on Mental Deficiency in Boston recently.

Koller also presented the 1982 spring commencement address at the Missouri School for the Deaf.

LEON JOHNSON, professor, has received two grants from the U.S. Department of Education for projects in physical education for the handicapped.

A project to prepare master's and doctoral level students in adaptive physical education for the handicapped has been funded for \$20,085.

A second \$13,962 project will provide an in-service and demonstration program related to a model curriculum for adapted physical education.

Johnson's projects have been underway for 11 and seven years respectively; these funds extend the projects through 1983-84.

CARL FEHRLE, professor, recently had a monograph, *The Most-Asked Questions About Gifted Children*, published. Co-authors were Linda Duffy and Jolene Schulz.

Hospital offers trauma transport



The UMC Hospital and Clinics Nov. 24 will become the only hospital in central Missouri to offer 24-hour helicopter emergency care service. The air ambulance will transport critically ill and injured persons within a 150-mile radius of Columbia. Trauma victims and newborns will be the principal clients of the service; statistics indicate that rapid air transport can significantly reduce mortality rates in both groups, says Frank Mitchell, M.D., director of trauma service. Pilot Paul Calloway, above, will be ready to transport the ill or injured.

STEVIE HOFFMAN, associate professor of curriculum and instruction, and CARL FEHRLE, professor of curriculum and instruction, have written an extension monograph with symposium papers entitled "Issues in Early Childhood Education."

NORMAN GYSBERS, professor of education and counseling psychology, is the editor of the forthcoming 70th anniversary commemorative volume of the National Vocational Guidance Association entitled, *Designing Careers: Counseling and the Quality of Work Life*. Gysbers has been past president of National Vocational Guidance Association and American Personnel Guidance Association, and past editor of the *Vocational Guidance Quarterly*. He is currently president of the Guidance Division of the American Vocational Association.

ROBERT REYS, professor of curriculum and instruction, authored two chapters published in the book, *Education in the 90's: Mathematics*. One chapter was entitled, "Computational Estimation is a Basic Skill," and the other chapter dealt with the interpretation of the second NAEP Mathematics Assessment.

CARL CAMERON, assistant professor, is director of grant projects awarded by the Missouri Department of Elementary and Secondary Education for approximately \$70,000.

The largest grant is for developing in-service resources that teachers will use to provide educational services to handicapped students. Cameron has a second grant to provide in-service training to special-needs instructors and vocational evaluation personnel. He is also undertaking a project to identify factors related to handicapped students staying in community colleges.

Cameron has also received a grant of \$18,250 to develop a service delivery program for vocational special-needs residents in Missouri's Department of Corrections, and a similar Missouri Department of Social Services grant in the amount of \$8,000 for vocational special-needs residents of the Division of Youth Services.

REUBEN ALTMAN, professor of special education, served as session leader for a recent symposium on vocational assessment and training of mentally retarded persons at the International Convention of the Council for Exceptional Children in Houston, Texas. The Council for Exceptional Children is the major professional organization in Special Education with more than 50,000 members worldwide.

JACKIE MCMAHON and TOM WEIBLE, assistant professors of curriculum and instruction, recently co-authored the article, "Using Micro-computers in the Social Studies." This article was published in the June issue of *The Social Studies*.

MICHAEL DYRENFURTH, professor of practical arts and vocational-technical education, and a team of writers are developing curriculum materials as one component of PAVTE's human resource development thrust in international education. Dyrenfurth and FRANKLIN KING, professor of PAVTE, are also involved in a Capstone Training Program under the auspices of the United States-Government's International Development Cooperation Agency.

KITTYE COPELAND, a curriculum and instruction graduate student, received the Nils Blanton Smith award from International Reading Association. The honor is given by a worldwide panel of judges to the individual who demonstrates a unique level of excellence in the area of reading.

The following educational administration faculty members made presentations at a seminar in Wentzville, Mo., on the Management of Decline: HERBERT SCHOOLING, UMC Chancellor emeritus; JOE BARTHORY, director of educational administration; JAMES HOLLAND, professor; JERRY VALENTINE, associate professor of educational administration; GARY SMITH, WAYNE WALKER, JAMES CRAIGMILE, professor of educational administration; CARL FEHRLE, professor of curriculum and instruction; ROBERT REIF-SCHNEIDER, director of

educational placement; and BONITA CAMPBELL, associate director of educational administration.

BEN LEAKE, professor of curriculum and instruction, has published *Gateways to Science* in the third edition of his McGraw-Hill Elementary Science Series.

REUBEN ALTMAN, professor and coordinator of mental retardation programs, served as chairman for a symposium on vocational assessment and training of mentally retarded persons at the recent International Convention of the Council for Exceptional Children in Houston. The council is the major professional organization in special education with more than 50,000 members worldwide.

Altman is past president of the council's mental retardation division and now serves as chairman of the division's national committee on publications.

JO BEHYMER, associate professor of practical arts and vocational-technical education, was presented with a plaque for outstanding leadership to Phi Delta Kappa at the organization's June meeting. Behymer recently completed a term as president of the Gamma Chapter of the international education honorary.

RICHARD V. HATLEY, professor and chairman of educational administration, has been named program chair for Division A of the American Educational Research Association's annual meeting in Montreal. AERA has 14,000 international members, with 2,250 in Division A. Hatley and his team of 52 proposal reviewers will develop a program of approximately 250 research presentations for the April 1983 meeting. The theme for the annual meeting is "Research into Practice" with special emphasis on educational issues and research in multicultural, multilingual settings.

JAMES L. CRAIGMILE, professor, FLOYD D. DELON, professor and JERRY W. VALENTINE, professor, will serve on the proposal review panel.

LARRY KANTER, professor of curriculum and instruction, was recently elected vice-president of Columbia's Art League for 1982-83.

DEPARTMENT OF GEOGRAPHY

BRIAN K. LONG, a graduate student and teaching assistant, has been granted an internship in Washington, D.C., by the National Geographic Society. He will spend the 1982 fall semester doing research in the society's Special Publications division.

One of 27 interns chosen from about 750 applicants, Long, who was an undergraduate geography major, was graduated cum laude from UMC in 1981. He is a member of Phi Beta Kappa honorary scholarship fraternity.

SCHOOL OF HEALTH RELATED PROFESSIONS

GORDON BROWN, professor and director of the Health Services Management Program, has been named to the editorial board of *The Journal of Health Administration Education*. The journal is published by the Association of University Programs in Health Administration.

LANIS HICKS, assistant professor in the Health Services Management Program at the School of Health Related Professions, has been appointed by Gov. Christopher S. Bond to the State Board of Registration for the Healing Arts. Hicks is one of the state's foremost authorities on health-care cost containment.

DEPARTMENT OF HISTORY

NOBLE E. CUNNINGHAM JR., professor, has been elected to the Council of the Institute of Early American History and Culture, Williamsburg, Va. He has also been elected to the Advisory Council of the Society for Historians of the Early American Republic.

CHARLES TIMBERLAKE, professor, was coordinator of a seminar on Late Imperial Russia for scholars participating in the Summer Research Laboratory on Russia and Eastern Europe at the University of Illinois at Urbana-Champaign in July 1982.

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Faculty Council

(from page 1)

may apply to take a full-year sabbatical at half salary, which is paid by his or her division.

Divisions also currently are granting one- or two-semester development or research leaves with the division paying up to 100 percent of the salary of the faculty member. However, the provost's office is proposing in the future to pay one-third of the salary of some of the faculty on such leaves.

If the chancellor approves the proposal,

divisions would pay just two-thirds of the salary, making more funds available to hire temporary replacements for those on leave, said Associate Provost Gerald Brouder.

If the proposal receives approval, the Research Council would review and rank requests for research leaves in order of priority for funding. A similar committee now being established would rate development leave requests. "We can't fund all requests. We're still in a fiscal bind," Brouder said.

Should an applicant not receive partial funding from the provost's office, his or

her division could opt to fund the leave in full, Brouder added.

If the program is approved, Brouder does not expect immediate spending of a large sum of funds since applications being received now are typically for leaves that would be taken during the 1983-84 academic year.

In other business, William Bradshaw, associate professor of family and community medicine and chairman of the Interfaculty Council, reported on that group's Oct. 21 meeting. He informed the Council that a proposal was before Congress to remove entirely the man-

datory retirement age from any industry; UM President James Olson was concerned that such legislation might block younger people from entering the education field if retirements of older faculty members were delayed, Bradshaw said.

Leuthold announced the General Faculty Meeting will be at 3:40 p.m. Nov. 11 in Middlebush Auditorium. He urges faculty to submit questions for the chancellor before the meeting; faculty may send their questions to Leuthold at 231 Middlebush.

Graduate Senate

(from page 1)

of the public toward the University, Uehling said, "We need to sell ourselves more...we should be out there singing our own praises—and we do have much to be singing about."

In other business at the meeting:

•Sandra Helmick, president, reported that the Executive Committee had submitted recommendations on faculty members to serve on the Weldon Spring Committee. Don Blount, dean of the

Graduate School, will select six faculty members to serve on the review committee.

•Tom Freeman, professor of geology, was elected to replace John Bauman, professor of chemistry, as chairman of the Physical Sciences Sector. Bauman is serving on the Faculty Council this year.

•Judith Grosenick, professor of special education and chairwoman of the academic affairs committee, reported that members had discussed the following topics for consideration this year: recruitment of graduate students, the raising of admissions standards,

protected courses, the issue of pass-fail for thesis courses, and policies and procedures regarding graduate teaching assistants and qualifying and comprehensive exams.

The committee has approved nine of 11 new topics courses, Grosenick said. She also reported that Charles Saylor, professor of classical studies, will replace Charles Sherman, professor of music, this year.

•David Imig, associate professor of child and family development and chairman of the problems and procedures committee, reported that

three new members had been elected to the Senate: John Thorn, assistant professor of history, William Wiecek, professor of history, and David Wood, professor of political science. A senator also will be elected from health related professions, Imig reported.

•Daniel Gulstad, professor of Romance languages and chairman of the Research Affairs Committee, said the committee will meet with Chancellor Barbara Uehling to discuss research matters. Faculty with questions on that issue should send them to him.

Footnotes

(from page 5)

WINFIELD J. BURGGRAFF, professor, participated in a panel on "The Venezuela-Guyana Boundary Dispute" at a conference on Territorial Disputes in Latin America, sponsored by the University of Connecticut-Yale University Joint Program in Latin American Studies, Storrs, Conn. on Oct. 16.

N. GERALD BARRIER, professor, presented a paper on trends in publishing in South Asia at the Executive Committee meeting of the American Institute of Indian Studies, Tucson, Ariz., on Oct. 22. As publications advisor for the institute, Barrier also chaired two panel discussions and lectured at the University of Arizona on Sikh religious and political history.

JACKSON LEARS, professor, presented a lecture at Rice University recently as part of a series on the "Culture of Capitalism." The subject of the lecture was "The Uses of Fantasy: Toward a Cultural History of American Advertising."

RUSSELL ZGUTA, professor, has published "The Skormerokki as Agents of Social Change: Some Recent Interpretations" in *Folklorica: Festschrift for Felix J. Oinas*, ed. Egle Victoria Zygas and Peter Voorbeis, Indiana University, Uralic and Altaic Series, vol. 14 (Bloomington, 1982).

CHARLES TIMBERLAKE, professor, attended the AAASS Convention in Washington, D.C., recently where he served as chairman of the Council of Regional Affiliates, chairman of the Membership Committee, member of the Board of Directors and UMC Campus IREX representative.

JOHN L. BULLION, professor, has published an article, "Escaping Boston: Nathaniel Ware and the Beginnings of Colonial Taxation, 1762-1763," *Huntington Library Quarterly*, vol. 45, (Winter 1982), pages 36-58.

ROBERT J. ROWLAND JR., professor, recently lectured on Roman grain legislation at UMKC. He gave a paper on women as landowners in medieval Sardinia at the Southeastern Medieval Association meeting in Dallas in October. In November, he will chair a session and comment on papers at the Southern Historical Association in Memphis, Tenn., and will give a paper, "Beyond the Frontier in Punic Sardinia," at the International Colloquium on Sardinian archaeology in Boston.

He will also give a paper on Caesar as imperialist at the southern section meeting of the Classical Association of the Midwest and South in Charlottesville, Va. In December he will give a paper on Romans and barbarians in the Sardinian Barbagia at the Friends of Ancient History session of the American Philological Association in Philadelphia, where he will also co-chair a session on archaeology and history.

COLLEGE OF HOME ECONOMICS

LOU ISBELL, assistant professor and state extension specialist in child and family development, will chair the Planning and Evaluation Committee for the National Cooperative Extension Service Workshop on Aging to be held in Washington, D.C., in November. The conference is designed to increase competency of extension personnel on aging and the latter part of the life span.

People

(from page 4)

CHANCELLOR BARBARA S. UEHLING has been awarded a plaque of achievement from the Naval Reserve Office Training Corps for logging 2,500 miles of jogging. Marine Col. Fred Cone, professor of naval science, made the presentation in the chancellor's office on Oct. 18.

The NROTC records of her mileage date back to September 1978. Uehling,

who often jogs at Brewer Fieldhouse, reached the 2,500-mile mark last July.

W.R. MILLER, associate dean of the College of Education, was recently invited to meet with Secretary of Education Terrell Bell in Washington, D.C. Miller, chairman of the National Vocational Education Advisory Council, was asked to advise Bell on the awarding of a five-year contract for the national Center for Research in Vocational Education.

MEL ZELENAK, assistant professor of family economics and management, had an article on whether or not citizen participation should be taught in consumer education classes published in "Concerns," a consumer newsletter.

KITTY DICKERSON, professor and chair of clothing and textiles, is co-author of "Developmental Patterns of Asia's Apparel Industry" in the *Journal of Consumer Studies and Home Economics*, Vol. 6, pages 87-89.

LORETTA HOOVER, associate professor of food systems management, has had several papers published recently. "Comparison of Data Banks" appeared in *Proceedings of the Symposium on Dietary Data Collection, Analysis and Significance*, a Massachusetts Agricultural Experiment Station Research Bulletin. Three other papers, "Development of On-Line Real-Time Menu Management System," "Analysis of Meal Census Patterns of Forecasting Menu Item Demand" and "Automated Hospital Information System (AHIS) Functions for Diets," were published in the *Journal of the American Dietetic Association*.

Hoover also presented "Standardized Recipe Calculation Procedures" at the 7th National Nutrient Data Bank Conference in Philadelphia in May.

JEAN ISPA, assistant professor of child and family development, had an article entitled "A Comparison of Soviet and American Childbearing Attitudes and Experiences" accepted for publication in the *Slavic Review*.

KITTY DICKERSON, professor and chair of clothing and textiles, recently had an article entitled "Consumers' Views on Restricting Imported Apparel" published in the *Journal of Consumer Studies and Home Economics*.

LORETTA HOOVER, associate professor of human nutrition foods, food systems management, had a paper entitled "Managerial Effectiveness: Key to Cost Effectiveness in Diets" accepted for publication in the *Journal of the American Dietetic Association*.

In addition, she was invited by the National Cancer Institute of the National Institutes of Health to serve as a member of the contract review panel which recently met in Bethesda, Md.

She also participated in the American Dietetic Association's annual meeting in San Antonio, Texas where she led a round-table discussion on "Manpower Needs in Diets," presented a paper entitled "Computers and Analysis Systems" and served as a member of a reaction panel for a session on "Management and Administration of Health Care." ED METZEN, professor of family economics management, gave a speech entitled "The Future of Social Security—Issues and Proposals," to the Central States Region Education Conference of International Ladies' Garment Workers Union at Stephens College recently.

RUTH BRENT, assistant professor of housing and interior design, has completed a slide-tape program on "Nursing Home Environments" for the Department of Family and Community Medicine. The self-instruction program, to be used primarily by medical students, was funded by a grant from the Curriculum Development Training Module; Bureau of Health Professionals, Health Resources Administration, Public Health Service, Department of Health and Human Services, Washington, D.C.

DEPARTMENT OF POLITICAL SCIENCE

WAYNE L. FRANCIS, professor, has published "Legislative Committee Systems, Optimal Committee Size and the Costs of Decision Making" in the *Journal of Politics*, August 1982, 3, pages 822-837.

JAMES W. RIDDLESPERGER JR. and JAMES D. KING, graduate student, have published "Energy Votes in the U.S. Senate, 1973-1980" in the *Journal of Politics*, August 1982, 3 pages 838-847.

DEPARTMENT OF ROMANCE LANGUAGES

MARGARET S. PEDEN, professor of Spanish, presented "Translating Spanish American Theater" at the Latin American Theater Festival at the University of Kansas in April. She chaired a panel at the same meeting. In addition, she won the Alumnae Award of Distinction from William Woods College in May.

MAGDALENA GARCIA-PINTO, assistant professor of Spanish, presented "Cesar Moro: Poetica de la Resistencia" at the XXI Congreso del Instituto Internacional de Literatura Iberoamericana in San Juan, Puerto Rico in May.

DANIEL GULSTAD, professor of Spanish, presented "Expatriation, Exile and Homecoming in La cabeza del cordero" at the Conference on Literature of Hispanic Exile March 25 in Columbia. He also presented "Phonological Differences between two French Idiolects of the 16th Century: A Distinctive Feature Explanation" at the annual meeting of the Missouri Academy of Science in Point Lookout, Mo., April 24.

BONNER MITCHELL, professor of French and Italian, presented "A Counter-Reformation Pageant: The Venetian Reception of Japanese Ambassadors in 1585" at the Central Renaissance Conference in Wichita, Kan. in March.

VERN G. WILLIAMSEN, professor of Spanish, presented "The Women Characters in Lope de Vega's La discreta enamorada" at the Golden Age Drama Symposium at the University of Texas-El Paso in March. He was also a consultant in the area of Spanish drama of the Golden Age at the seventh 'Siglo de Oro' Drama Festival at El Chamizal National Monument in El Paso March 4 through 13. In addition, Williamsen has published a book, *The Minor Dramatists of Seventeenth-Century Spain* (Boston: Twayne, 1982).

DEPARTMENT OF SPEECH AND DRAMATIC ART

JAMES MILLER, assistant professor of speech and drama, has designed the costumes for "Cleavage," a musical comedy opening June 22 at the Playhouse in New York City.

CARLA WAAL, professor of speech and dramatic art, presented a paper entitled "Bosse Interprets Strindberg" at the annual meeting of the Society for the Advancement of Scandinavian Studies in Nashville.

MICHAEL MOONEY, graduate student in theatre, shares a second place David Library Scholarship of \$1,000 with a Portland State University student. Mooney was selected for the national playwriting award by the American College Theatre Festival XIV for his play "Buck 'N' the System," produced at University Theatre in Dec. 1981 and Jan. 1982.

CARLA WAAL, professor of speech and dramatic art, published an article titled "Curtain Call for Harriet Bosse" in the current issue of *Teatervetenskap*, the journal of the Theatre Research Association of the

Institute for Theatre and Film Research, University of Stockholm.

STEPHEN ARCHER, professor, served on the American Theatre Association executive board of the Institute for American Theatre Studies and on the Golden Anniversary committee, for which he acts as editor.

STUDENT HEALTH SERVICE

DOROTHY DEWELLY RODGERS, consulting physician, received the Physician's Recognition Award for medical education credits in 1979 and 1980.

DEPARTMENT OF STATISTICS

ASIT P. BASU, professor and chairman, presented invited papers at the Annual Meetings of the American Statistical Association and the Institute of Mathematical Statistics in Cincinnati. He also was a member of the IMS program committee.

JOHN E. HEWETT, professor, presented a contributed paper at the American Statistical Association Meeting.

SHRINIWAS K. KATTI, professor, presented two contributed papers at the American Statistical Association Meeting.

RICHARD W. MADSEN, associate professor, was an invited discussant on a paper at the American Statistical Association Meeting.

W.A. THOMPSON JR., professor, presented a contributed paper and was a session chair at the American Statistical Association Meeting.

ROBERT K. TSUTAKAWA, professor, presented an invited paper at the American Statistical Association Meeting.

FREDERICK WILLIAMS, professor and associate chairman, represented the Mid-Missouri Chapter at the American Statistical Association Council Meeting.

UNIVERSITY RELATIONS

BETTY COOK ROTTMANN, director of visitor and guest relations, won second place for her poem, "Sick Child," which was featured in *Candlelighters*, a newsletter published by UMC's Health Sciences Center.

WESTERN HISTORICAL MANUSCRIPT COLLECTION

NANCY LANKFORD, associate director, has recently been elected to the council of the Midwest Archives Conference for a two-year term.

COLLEGE OF VETERINARY MEDICINE

WILLIAM FALES, associate professor of veterinary microbiology, presented "A Retrospective Study of Bovine Pasteurella to Antimicrobial Agents" to the Academy of Veterinary Consultants Sept. 9-10 at Amarillo, Texas.

E.A. CORLEY, professor of veterinary medicine and surgery, presented "Hip Dysplasia and other Orthopedic Problems: Control and Current Research" to the German Shepherd Dog Club of St. Louis July 16-17 in St. Louis.

DAVID THAWLEY, associate professor of veterinary microbiology, presented "Pseudorabies Herd Cleanup: The State of the Art" at the 119th annual meeting of the American Veterinary Medical Association July 19-22 in Salt Lake City.

FACULTY-STAFF RACQUETBALL

Recreation-Intramurals
Office for Student Development

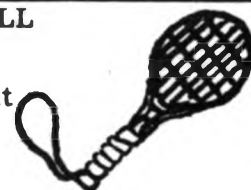
Entry deadline: Nov. 2, 5 p.m.

Where: 106 Rothwell Gym

Cost: \$2--to go toward awards

How: Participants will be sent a schedule of the tournament and are to set up their own times to play.

Who: All faculty, staff and their spouses are eligible to play.



Around the campus

(from page 2)

THE UMC CONCERT SERIES will present the London Early Music Group at 8 p.m. Nov. 5 in Jesse Auditorium. The group will perform music of the Renaissance, accompanied by lutes, 16th and 17th century guitars, cittern, man-

dora, recorders, crumhorns, sackbut and viols.

The concert will feature music from the Age of Monteverdi; highlights will be "La Violetta" and "Aria: Ohime ch'io cado" by Monteverdi and Frescobaldi's "Lute Solos: Toccata-Canzon."

Tickets are \$7 public and \$6 students; they will be available at Jesse Box Office from 10 a.m. to 4 p.m. Nov. 4-5.

THE CENTER FOR SMALL FARMS STUDIES LIBRARY provides a guide to on-campus references about international small-farm development and has more than 2,500 articles and books on the subject.

Located in the Reference Room of the Department of Agricultural Economics, 217 Mumford Hall, it is open 8 a.m. to

noon and 1 to 5 p.m. Monday through Friday.

All UMC faculty members and graduate students may borrow materials through arrangement with the librarian.

For more information, call Philip Warnken at 882-7340, or Katherine Malmros at 882-3043.

Jobs

Faculty listings

The following teaching and research positions are available at the University; however, all of the positions are dependent upon funding and enrollment. For more information, call the office of the associate provost, 116 Jesse, at 882-3094.

Instructor of Extension Education (Driver Evaluation and Training)—available as soon as possible, ends Sept. 30, 1983. Responsibilities include developing and implementing a driver training curriculum for physically disabled persons. Includes teaching disabled persons to drive and teaching driver educators to work with disabled students. Would serve as a liaison to Missouri Division of Vocational Rehabilitation and other agencies that serve the disabled.

Requires degree in occupational or physical therapy or equivalent education and experience. Must have experience in evaluating driving capability of disabled persons and be licensed to teach driver training in Missouri. Deadline Nov. 10, 1982.

Associate/Assistant Professor of Horticulture—available Jan. 1, 1983. Responsibilities include teaching upper-class course in fruit production, undergraduate course in plant nutrition with emphasis on horticultural crops, developing graduate-level course in physiology, managing 300-acre Horticulture Research farm and conducting research in three fruits. Requires Ph.D. in horticulture with training or experience in fruit physiology, teaching ability; eligibility for associate professor appointment preferred. Deadline Nov. 15, 1982 or until filled.

Professor/Instructor of Nursing—available Jan. 3, 1983 to May 15, 1983; possible summer contract. Responsibilities include community health nursing, teaching in undergraduate program, clinical instruction and a practice component. Requires master's

degree in nursing, clinical expertise in community health nursing; Ph.D. in nursing or related field preferred. Teaching, clinical practice and research expertise preferred. Deadline Nov. 15, 1982.

Staff listings

The following job openings at the University were approved and posted Monday, Oct. 25, and include the department where the vacancy exists. The openings are listed under the name of the personnel recruiting staff member handling the positions. For more information or to apply for a job, contact the appropriate recruiter at the Personnel Office, 300 Hill St., at 882-4221. Salary codes follow each listing in parentheses.

CHARLES HUNTER
Administrative/Professional
Director, Academic Asst. program (E-13), Vice Chancellor Stu. Svcs./Provost, (deadline 11-1-82); Manager, Technical Services (E-10), Academic Support Center, (deadline 11-1-82).

MARY SLEDGE
Professional
Assistant Manager, Acctg. Svcs. (E-9), Accounting Services; Director, Development Fund (E-12), Development Fund, (deadline 11-19-82); Information Specialist (E-4), Educational Administration; Residence Hall Coordinator, Residential Life (2), (deadline 10-29-82); Student Services Coordinator (E-7), Crafts Studio - Student Dev., (deadline 10-29-82).

CINDY MORRIS
Research/Data Processing
Data Controller I (M-55), Vet. Med. Diag. Lab. (70% FTE); Research/Laboratory Technician (M-59), Agronomy; Research Specialist (E-5), Agronomy - UMC Delta Center (Portageville, MO.), Dalton Research Center, Microbiology; Sr. Research/Engineering Tech. (M-63), Nuclear Engineering; Sr. Research Specialist (E-8), Atmospheric Science; Supervisor, Science Inst. Shop-UMC (E-8), Graduate School.

CAROL WAITS
Clerical/Services
Clerk Typist II (M-53), Child Health (located in K.C., MO), Educational Administration; Laboratory Assistant (M-53), Plant Path. (located in Portageville, MO); Receptionist (M-53), Residential Life (effective Nov., 1982).

JANE CORREIA
Secretarial
Administrative Assistant (M-59), Budget & Payroll, School of Nursing; Administrative Secretary (M-59), UED - Economics; Library Clerk II (M-53), Ellis Library;
Secretary (M-55), Business & Public Adm.-Extension, Child Health, Marketing, Neurology, Office of Research, School of Nursing, UMC-Budget Office;
Secretary-Stenographer (M-54), Budget Services-UMca; Sr. Clerk (M-55), English; Sr. Clerk Typist (M-54), Veterinary Medicine & Surgery, School of Nursing; Sr. Stenographer (M-54), KOMU-TV, Music, Social Work-Extension (ends 6-83).

CAROL WAITS
Part-time/Temporary
Clerk Typist II (M-53), University Printing Services, (20 hrs. per wk.), (Hours: 8-noon);
Editorial Assistant II (M-58), PAVTE, (20 hrs. per week), (till July 1, 1983); Secretary (M-55), General Medicine, (Full Time, Temporary), (till March, 1983);
Secretary-Stenographer (M-54), Animal Science Research Center, (20 hrs. per wk., perm.), (Hours: 1-5 p.m.); Medicine/Endocrinology, (20 hrs. pr wk., perm.); University Extension, (20 hrs. per wk., perm.).

The following jobs were listed by the Health Services Center Personnel Office. For more information, call 882-8186.

ANN NADLER
Administrative/Professional
Administrative Dietician, Nutrition & Dietetics; Assistant Director, Operations and Planning Services (Deadline 11-1-82); Assistant Manager, Medical Records; Assistant Manager, Patient Admissions; Child Life Activity Therapist, Pediatrics; Sr. In-

formation Specialist, Public Relations & Development; Staff Pharmacist, Pharmacy; Supervisor, Medical Records; Supervisor Hosp. Business Office, Patient Accounts.

LORI TANZER
Administrative/Professional
Assistant Manager, Radiology; Radiation Physicist, Radiology.

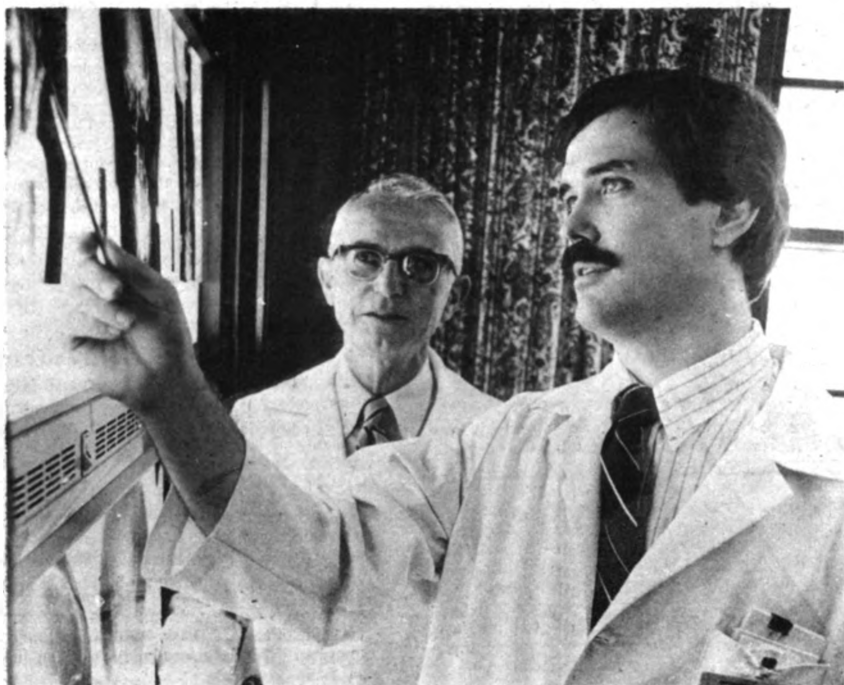
PATTY SCOTT
Clerical
Administrative Secretary, MPIP; Admissions Clerk, Admissions; Chief Accounting Clerk, Patient Accounts; Chief Clerk, Admissions; Clerk-Typist II, Medical Records;
Hospital Unit Clerk, MICU; Patient Account Representative, Admissions; Secretary-Stenographer, Hospital Equipment Pool; Senior Receptionist, OPD Clinic IV; Senior Secretary, Nutrition & Dietetics.

GINA KINCAID
SANDRA FAWCETT
Nursing
Administrative Nurse I, Nursing (6); Clinical Nurse I, Nursing (5); Education Nurse I, Nursing (2); IV Nurse, Pharmacy (4); Licensed Practical Nurse, Nursing (5); Nurse Anesthetist, Anesthesiology (3); Nurse Practitioner (2); Staff Nurse, Nursing (15); Surgical Technologist.

LORI TANZER
Technical
Certified Respiratory Therapy Tech, Respiratory Therapy; Medical Technologist, Special Hematology; Occupational Therapist, Occupational Therapy (2); Physical Therapist, Hospital; Registered Respiratory Therapist, Respiratory Therapy; Sr. Systems Analyst, Pathology.

PART-TIME/TEMPORARY
Clerk, Medique Gift Shop; Hospital Unit Clerk, OB-NICU; IV Nurse, Pharmacy; Licensed Practical Nurse, Nursing (5); Medical Technologist, Blood Bank; Pharmacy Technician; Sr. Clerk-Typist, Nursing Service; Sr. Receptionist, Emergency Dept.; Staff Nurse, Nursing (5); Student Assistant, Nursing (3).

The Staff for Life



What Patient Would Choose a "Teaching" Hospital?

There are people who shy away from a hospital because it's associated with a medical school. Others know that at a teaching hospital, the patient stands to gain. Because few health-care facilities assemble under one roof a medical team more up-to-date, more attentive to patients, more attuned to purpose, than the "teaching hospital".

University of Missouri-Columbia Hospital and Clinics has a medical staff more than 200 residents strong. These physicians, having graduated from medical school, train under 175 faculty physicians

who represent every discipline. For the patient, this guarantees an automatic "second opinion" Who chooses a teaching hospital?

Patients who want treatment that matches academic medicine's rigorous demands. Patients who need the specialized resources such a hospital can provide. And patients who simply expect care that's consistent, continuous — and above all, conscientious.

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Staff for Life

This Week

To list your department or division's events in the next Mizzou Weekly, write or call the Office of Internal Communication, 606 Maryland, 882-6004, by Friday two weeks before the event is scheduled.

All events are free and open to the public unless otherwise noted.

29 Friday

Forestry Seminar: "Wood Waste Disposal - Potential and Problems," Mark Freeman, MPFA, Jefferson City, 2:40 p.m., 2-7 Agriculture.

MSA Weekend Movie: "Tattoo," 7 and 9:30 p.m., Jesse Aud. Tickets \$1 in advance, \$1.50 at door.

MSA Midnight Movie: "The Grateful Dead," Jesse Aud. Tickets \$1.

Astronomy Film and Telescope Viewing: "4 RMS-Earth View" and "Who's Out There?" 7 p.m., 114 Physics, followed by telescope viewing at 8 p.m. on the roof.

Student Ensemble Series: Singasons, directed by Ira Powell, 8 p.m., Fine Arts Recital Hall.

Physiology Seminar: "Myosin Heavy Chain Genes," Jeffrey Robbins, assistant professor, 11:40 a.m., S255 School of Nursing.

Lecture: "America's Future and the World Revolution," Eldridge Cleaver, author of *Soul on Ice* and former Black Panther leader, 7 p.m., Memorial Union Aud.

30 Saturday

MSA Weekend Movie: "House of Wax," 7 and 9:30 p.m., Jesse Aud. Tickets \$1 in advance, \$1.50 at the door.

MSA Midnight Movie: "The Grateful Dead," Jesse Aud. Tickets \$1.

Football: UMC vs. Oklahoma State, at Oklahoma State.

Furniture Conservation Workshop: Proper care and conservation of antique furniture, 8:30 a.m. to 5 p.m., Museum of Art and Archaeology, 1 Pickard Hall. Fee is \$40 for Museum Associates; \$60 for the public. Program continues Oct. 31. To register, call 882-3591.

31 Sunday

Drop-In Tour: Museum of Art and Archaeology, general guided tour, 2 p.m.

MSA Weekend Movie: "The Bride of Frankenstein" and "Halloween II," 7 and 9:30 p.m. Tickets \$1 in advance.

University Film Series: "Experimental Film Night," 7 and 9:30 p.m., Ellis Aud.

International Night Dinner: Oriental, a la carte, 5 to 6:30 p.m., Memorial Union Cafeteria. Prices vary.

Student Ensemble Series: Brass Choir, directed by Betty Scott, 8 p.m., Fine Arts Recital Hall.

Gospel Concert: The Legions of Black Collegians will present a bewitching gospel concert at 7 p.m., Memorial Union Aud. Tickets are \$1 and may be purchased at the door. For more information, call Carol Waits at 882-4221.

Furniture Conservation Workshop: Proper care and conservation of antique furniture, 8:30 a.m. to 5 p.m., Museum of Art and Archaeology, 1 Pickard Hall. Continued from Oct. 30. For fee information, see Oct. 30.

Reception: Annual Faculty Art Exhibition, 2 p.m., Fine Arts Gallery, University Avenue and Hitt Street. Exhibit of faculty artwork continues through Nov. 19.

1 Monday

Women's Center: "That's Not in My Job Description: Sexual Harassment," Dorothy Sikyta and Luci Lee, Women's Center staff, noon, basement Gentry.

Jesse Auditorium Series: Pinchas Zukerman, violin, 8 p.m., Jesse Aud. Public and faculty/staff \$10, students \$9.

Women Studies Brown Bag Lunch: Report on sexual harassment conference, Esther Thelen, assistant professor of psychology, noon to 1:30 p.m., S4 Memorial Union. Women faculty and administrators are invited.

Women's Center: "My Position as a Writer and Feminist in Spain," Lidia Falcon, novelist and founder of the Spanish Feminist Party, 4 p.m., basement Gentry. Sponsored by Women Studies and Department of Romance Languages.

Mid-America State University Association Lecturer: "Applications of Protoplast Fusion to Chromosome Analysis in Staphylococcus Aureus," Peter A. Pattee, department of bacteriology, Iowa State University, 1:40 p.m., M640 Medical Science Building.

Concert Preview: Michael Budds will discuss works to be performed by Pinchas Zukerman, 7 p.m., Fine Arts Recital Hall.

2 Tuesday

Secretarial/Clerical Development: "Desk Manual Workshop," first of four sessions, 10 a.m. to noon, Lewis Hall Conference Room. Call 882-4859 for registration information.

Neuroscience Seminar: "Spider Physiology; The Controversy Over Heart Metabolic Rate Relationships," James Carrel, associate professor of biological sciences, 7:30 p.m., 112 Lefevre.

Biological Sciences Seminar: "Behavioral Ecology of C. Elegans," Don Riddle, assistant professor of biological sciences, 3:40 p.m., 115 Tucker.

Council of Deans Meeting: 3 p.m., Forum Room, Gannett Hall.

Sign-Language Play: "Sounds of Silence," performed by students of the Missouri School for the Deaf, 7:30 p.m., Memorial Union Aud.

Pharmacology Seminar: "Studies on the Activation of Adenylate Cyclase by Forskolin," Warren Zahler, associate professor of biochemistry, 4 p.m., M538 Medical Sciences Building.

Blues and Jazz Concert: Kurt Van Sickle, 8 p.m., Memorial Union large

ballroom. Tickets 50 cents MSA members; \$1 public, on sale at Memorial Union ticket window.

Medical Meeting: The Boone County Chapter of the American Association of Medical Assistants will meet at 5:30 p.m., Cancer Research Center Conference Room, 115 Business Loop 70 West. Guest speaker: Dinah Pearson, administrative coordinator of the Women's Cancer Control Program at the Cancer Research Center.

3 Wednesday

Lunchtime Mini-Tour: "Underglaze and Overglaze," the beauty of Chinese porcelain, 12:35 p.m., Museum of Art and Archaeology.

Humanities Lecture: "The Enlightenment," C. Haskel Hinnant, professor of English, 11:40 a.m. to 12:30 p.m., Ellis Aud.

MSA Free Movie: "McCabe and Mrs. Miller" and "Thieves Like Us," 7 and 9:30 p.m., Jesse Aud.

Faculty Recital Series: Missouri Arts Quintet, 8 p.m., Fine Arts Recital Hall.

Ecological Sciences Seminar: "Bird Migration: A Case Study," Ellen Ketterson, Indiana University, 7:30 p.m., 112 Lefevre.

Health Services Career Day: Representatives from Missouri hospitals, health agencies, professional associations and academic programs, open to freshmen through graduating seniors, summer/internship/full-time opportunities, 10 a.m. to noon; 1 to 4 p.m., Memorial Union large and small ballrooms.

Women's Center: "A Business of One's Own," featuring three Columbia businesswomen: Owners of Mildred Pierce restaurant, Chinatown gifts and Exer-Tan health spa. 7 p.m., 1 Gentry Hall.

"Mizzou for Sale": Annual fund-raising auction sponsored by the UMC Student Foundation and University supporters, 7 to 9 p.m., Memorial Union Aud.

Gentry Studio Theatre Associates: "Times Are Changin'," by Debra L. Bruch, 7:30 p.m., basement Gentry, tickets \$1 at the door.

Microbiology Seminar: "Plasmid Mediated Resistances to Heavy Metals: Mercury, Silver, Arsenic and Cadmium," Simon Silver, editor-in-chief, *Journal of Bacteriology*, professor of biology and microbiology, Washington University-St. Louis, 1:40 p.m., S248 School of Nursing.

4 Thursday

University Film Series: "Young Mr. Lincoln," 8 p.m., Ellis Aud.

Women's Center: Union Women: A Film Festival: "The Life and Times of Rosie the Riveter," noon; "With Babies and Banners," 1 p.m.; "Why Not a Woman?" 2 p.m.; "Union Maids," 3 p.m., basement Gentry.

MSA Speaker: "Crazy for God," Chris Edwards, former moonie and Yale University graduate, 8 p.m., Jesse Aud.

Center for International Programs and Studies: Overseas Study Fair, 10 a.m. to 4 p.m., N201 Memorial Union. Information on overseas study, travel and semester-at-sea programs.

Gentry Studio Theatre Associates: "Times Are Changin'," by Debra L. Bruch, 7:30 p.m., basement Gentry, tickets \$1 at the door.

University Assembly Lecture: "A New



Violinist Pinchas Zukerman will be in concert at 8 p.m. Nov. 1 in Jesse Auditorium. Currently music director of Serenades, the June Festival of Carnegie Hall, Zukerman is former music director of the South Bank Festival in London.

Pianist and composer Marc Neikrug will be Zukerman's sonata partner during the concert; they will perform Mozart's "Sonata in B flat Major, K. 454," Saint-Saens' "Sonata No. 1 in D minor, Op. 75" and "Sonata No. 9 in A Major, Op. 47 (Kreutzer)" by Beethoven.

Tickets are \$10 for the public and \$9 for students and are available at the Jesse Box Office from 10 a.m. to 4 p.m. Oct. 29 and Nov. 1.

View of Medical Education: John Anderson, professor of medicine, King's College Hospital, London, 8 p.m., Memorial Union Aud.

Faculty Council: 3:40 p.m., S110 Memorial Union.

5 Friday

Forestry Seminar: "Forestry in Nigeria," Mohammed L. Garba, FFW student from Nigeria, 2:40 p.m., 2-7 Agriculture.

Chamber Music Series: London Early Music Group, 8 p.m., Jesse Aud. Public and faculty/staff \$7, students \$6.

MSA Weekend Movie: "Victor/Victoria," 7 and 9:30 p.m., Middlebush Aud. Tickets \$1 in advance, \$1.50 at the door.

Astronomy Film and Telescope Viewing: "Space Shuttle: The Orbiter" and "Space Shuttle: Mission to the Future," 7 p.m., 114 Physics, followed by telescope viewing at 8 p.m. on the roof.

Gentry Studio Theatre Associates: "Times are Changin'," by Debra Bruch, 7:30 p.m., basement Gentry. Tickets \$1 at the door.

Physiology Seminar: "Cell Ca⁺⁺ and Contraction in Arterial Smooth Muscle: New Concepts in Molecular Regulation," Richard A. Murphy, professor of physiology, University of Virginia, 11:40 a.m., S255 School of Nursing.

Exhibits

Fine Arts Gallery: Annual Faculty Art Exhibition, featuring ceramics, jewelry, sculpture, prints, paintings, watercolors and other works by UMC faculty, through Nov. 19. Hours are 2 to 4 p.m. Sundays; 9 a.m. to 3 p.m. weekdays, at University Avenue and Hitt Street.

G

ifts for all occasions

Greeting Cards and Sundries
also
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Scanning system software Book Pavilion
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