

MIZZOU WEEKLY

The University of Missouri - Columbia

Sept. 3, 1982

Inside—

Mizzou People

Policy on Staff Consulting

Staff Council learns of athletic ticket hikes

Escalating athletic ticket prices for UMC staff and faculty are more than just another by-product of inflation, Staff Advisory Council members learned at last week's meeting.

Though ticket prices for football and basketball have been raised across the board, UMC staff and faculty will be shouldering a proportionately larger share of this year's increase, according to information compiled by Don Hoehle, fiscal operations officer and staff representative on the Intercollegiate Athletics Committee. Hoehle gathered the statistics in response to concerns expressed by Council members.

As a means of tackling increased operational costs of the athletic program, the athletic department has chosen not only to raise ticket prices, but to reduce the discount for staff and faculty. Faculty and staff season ticket holders for football and basketball will receive about a 25 percent discount this year, compared to approximately 30 percent last year.

Public season football ticket purchasers will pay 1.3 percent more than they paid last year; students will pay 8.9 percent more, with staff and faculty paying 10.4 percent more.

Staff/faculty basketball fans will see a 52.7 percent rise in "B" seat season ticket costs, compared to a 36 percent increase for the public in comparable seating, and a 33.3 percent increase for students. The 1982-83 increases vary in other seating sections, although students

are bearing the brunt of increased costs in those areas.

The price increases at UMC have already fueled rumors among some staff, said Bill Blackwell, administrative associate II, that the discounts may be entirely eliminated. Hoehle responded that no such plans have been discussed, although there have been occasional questions by alumni committee members as to why the discounts for University personnel exist.

Such discounts, Council members agreed in their response, are small "perks" for employees who are not paid competitively with industry. They acknowledged the 25 percent discount as reasonable, but are opposed to further reductions in the rate of discount. After discussion, the Council suggested that Hoehle confer with faculty members on the committee and bring the matter to the attention of the Intercollegiate Athletic Committee as an agenda item for discussion in order to stimulate awareness of the shrinking discounts and to voice the concerns of faculty and staff.

In other Council business, Personnel Director Ron Petit continued his series of meetings with members to review the policies and functions of the Personnel office.

Petit said his office is currently receiving 50 to 70 calls a day concerning approximately 75 vacancies at the University. This time last year, around 160 active vacancies were available,

compared to 230 the year before. Petit expects to continue filling more vacancies this year, attributing the decline in the number of available jobs to the poor economy and reduced financial aid for students.

The Personnel office, Petit said, is exploring the feasibility of using a computerized record-keeping and

retrieval system to match the flow of job-seekers and job-listers. The office handles approximately 15,000 calls a year from applicants in all stages of application, from the initial inquiry to follow-up calls. Currently, that information is checked and cross-checked manually, with recruiters and in-

(Continued on page 4)

Uehling seeks cost-cutting ideas

A committee of faculty, staff and administrators has been appointed by Chancellor Barbara S. Uehling to establish a program for employees to make suggestions on ways to cut costs at the University.

The committee will also be responsible for reviewing and evaluating the resulting recommendations made by UMC faculty and staff.

In announcing the committee's appointment, Uehling noted that the UM Board of Curators has officially called upon all University employees to examine carefully their units and activities to try to effect savings.

"In this time of inflation and uncertain state funding, cost-saving efforts deserve the wholehearted support of this campus," Uehling said.

Members of the committee are Marie Vorbeck, professor of pathology, and Richard Dowdy, chairman and associate

professor of human nutrition, foods and food systems management (representing Faculty Council); Karen Riley, administrative associate II in veterinary medicine, and Roger Fisher, director of Residential Life (representing Staff Council); Betty Cook Rottmann, coordinator of Visitor and Guest Relations (University Relations); Suzanne Holland, assistant to the vice chancellor for Student Services (Student Services); Kee Groshong, assistant business operations officer (Administrative Services); Tom Schultz, assistant vice chancellor for Alumni Relations (Alumni Relations and Development); and John Yeager, academic budget and resource officer (provost's office). Duane Stucky, deputy to the chancellor, will chair the committee.

Uehling said she expects a promotional program encouraging employees to submit their suggestions will begin in early September.

Outdoor maps will help direct campus visitors

Gaetano Russo is director of Campus Facilities—and not the University's official tour guide, but maps installed partly through the efforts of his office may prevent newcomers to the campus from getting lost.

The first of a series of outdoor campus map display stands was installed at the north end of the Arts and Science Mall at the intersection of Ninth Street and Conley Avenue.

The map display is a model for future installations throughout the UMC campus at various strategic locations.

The project was funded by the Student Fee Capital Improvement Committee and designed through the coordinated effort of the Office of Campus Facilities and the Office of Visitor and Guest Relations.



Around the Campus

FACULTY COUNCIL—Restoring trust and confidence in the Faculty Council and administration is on the Council's agenda for this academic year, David Leuthold, Council chairman, told new members at an orientation meeting Aug. 26.

Also of interest to the Council this year is the Chancellor's request that faculty play an "effective advisory role" in resource management and budget allocations, Leuthold said.

Council members may also study the core curriculum, admissions standards, income deterioration of faculty, working conditions (including support staff, E&E budgets and office space), faculty development and early and phased retirement.

Leuthold explained that all of those matters will be referred to Council committees.

Keith Sanders, professor of journalism and chair of the Communications Committee, said the Executive Committee's dinner with State Sen. Norman Merrell was "effective" and suggested they meet with other legislators.

The Council's first regular meeting of the year will be at 3:40 p.m. Sept. 9 in S204 Memorial Union.

A LECTURE SERIES ON BIBLICAL ARCHAEOLOGY will be sponsored by the Museum of Art and Archaeology Associates this fall. The six illustrated lectures will be presented by Albert Leonard, assistant professor of art history and archaeology, who recently returned from a year of research in Amman, Jordan, at the American Center of Oriental Research.

The lectures, held at 3 p.m. Sundays in 106 Pickard, are available to subscribers only. The tax-deductible tickets are \$25 for Museum Associates, \$12.50 for Museum Associate students and \$40 for non-members. Proceeds will be used to support UMC excavations overseas.

Reservations must be made by Sept. 6. For more information, call 882-3591.

CHILD CARE DURING FOOTBALL GAMES will be available this fall through the "UMC Pigskin Preschool."

Students and faculty in the child and family development department of the College of Home Economics will care for children ages six weeks to eight years. "It's not just babysitting; we have a planned curriculum every Saturday for the older children. We'll have short campus field trips, art activities, outdoor games and storytelling," says Sherri Griffin, Pigskin Preschool coordinator.

Programs open at noon on home game Saturdays in Stanley Hall. The school requests health and background information on each child and charges \$8 per session. Fees should be paid one week in advance; parents paying for all six sessions in advance pay only \$40. Money from the school will be used by the department to sponsor field trips and speakers during the year.

To make reservations contact Sherri Griffin at 882-4035. Spaces will be limited to 50 children.

JOB OPENINGS—Three students are needed to work 10 hours a week as paraprofessionals in the Human Sexuality Education Program for the 1982-83 academic year. Their duties will include presenting sexuality information to student and community groups.

For more information, call Rob Sepich at 882-3621.

NEW EAP HEADQUARTERS—The Employee Assistance Program has packed up and moved for the second time this year. EAP, which provides counseling and referral services for staff, faculty and their families, is now in 203 Parker Hall on South Sixth Street.

The phone number, 882-6701, is the same.

PRELIMINARY ENROLLMENT

FIGURES for the University indicate a probable "very slight" decrease of 100 to 200 students, Registrar Gary Smith said early this week.

Smith called the decrease insignificant, and the Office of Institutional Research and Planning said such a decline would be right on target with that department's predicted decrease for 1982-83. The prediction was made, according to the Office, on demographic information such as the birthrate 18 years ago, the number of 1982 high school graduates and UMC's traditional share of those graduates.

Enrollment figures do not become "official" until the last day of the fourth week of classes, when statisticians believe the student population has had a chance to stabilize.

A LOT BY ANY OTHER NAME—You may have noticed that you're parking in the same University lot, but its name has changed.

Lots close together were combined, according to Carol McAllister, assistant manager of Parking Operations.

Renamed lots are WC10 and WC12 to WC11; WC17 to WC18; SG3 to SG1; RC14 to RC13; WG2 to WG3; SG6 and SG8 to SG7; and RP3 to RP2.

Parking stickers issued last month reflect these changes. Anyone who has not yet received a parking sticker for 1982-83 should contact Parking Operations in 107 Swallow at 882-4568.

OOPS! The new phone number for Administrative Computing Services was inadvertently listed as being for Academic Computing Services in the Aug. 6 issue of *Mizzou Weekly*.

The phone number of 882-6706 is correct.

AN EARLY MORNING FIRE during a thunderstorm last month destroyed office and laboratory facilities of the Missouri Seed Improvement Association and the Agricultural Research Operations located on the University's South Farm.

The association's records of transactions with seed growers suffered water damage but were intact. No seeds of a research nature were lost, but some grower seed samples that were on file from past years were destroyed.

Major losses in the Agricultural Research Operations Office were office facilities and personnel records.

LABOR DAY, Monday, Sept. 6 is a holiday at the University and offices will be closed.

Changes in the number of holidays and personal leave and vacation days were approved by the Board of Curators in July. Other holidays now observed by the University are Thanksgiving and the Friday following, Christmas, New Year's, Memorial Day and Independence Day.

Two additional days of vacation will be granted annually to employees eligible for paid vacation.

Four personal leave days also will be granted to staff members. They must be taken in increments of whole days and be taken before the end of the anniversary year.

The employee's anniversary date is used in calculating the number of personal days for the first year of implementation. Employees will receive four days on their anniversary date after Sept. 30, 1982. Until then, those whose anniversary date falls between Sept. 1 and Sept. 30 received four days Sept. 1, 1982; those whose anniversary date is between Oct. 1 and Nov. 30 received one day Sept. 1; those between Dec. and Feb. 28 received two days Sept. 1; those between March 1 and May 31 received three days Sept. 1; and those between June 1 and Aug. 31 received four days Sept. 1.

FACULTY-STAFF FORUM ON THE BLACK EXPERIENCE will initiate its new discussion series with Ronald Buck, assistant vice chancellor for student affairs, conducting the first meeting. The bag lunch starts at 11:30 a.m. Wednesday, Sept. 8 in S16 Memorial Union, followed by the discussion, "Black Students and Retention: Implications for UMC," at noon.

THE MSA CRAFT STUDIO, DARKROOM AND LISTENING GALLERY, open through minimal membership fees to all students, faculty and staff and their families, is offering workshops in clay, fiber, stained glass, metals, papermaking, woodworking and photography this fall. For information about memberships and fees, call 882-7344 or stop by the studio at 203 Brady Commons.

FITNESS FOR LIVING can be achieved with the help of UMC's Human Performance Laboratory. The health and exercise program includes a \$35 laboratory assessment (incremental treadmill test, percentage of fat determination and assessment of balance of muscular strengths, flexibilities and body alignment).

This can be followed with a supervised exercise program, with classes meeting on Mondays, Wednesdays and Fridays at 6:30 a.m., 10:30 a.m. or 5:15 p.m. The 16-week exercise program costs \$50.

For enrollment or more information, call 882-6892 or 882-4021.

FULBRIGHT-HAYS GRANTS—Applications for these study-abroad grants are available through the UMC Center for International Programs and Studies in 101 Gentry Hall, or by calling the center at 882-6007.

The deadline for application is Oct. 1, 1982. Applicants must be U.S. citizens at the time of application and must hold a bachelor's degree or its equivalent before the beginning date of the grant. The bachelor's degree is not required for creative and performing artists with four years of professional study or experience. In most cases, applicants must be proficient in the language of the host country.

THE 1983 SCHOLARS ABROAD PROGRAM provides the opportunity for graduate and undergraduate students to spend 11 weeks in Europe from mid-January to mid-April. Those interested in participating in the program, which includes eight weeks at the University of Reading in Reading, England, followed by one week of study in Scotland and two weeks in France, should contact Jo Behymer, 104 Hill Hall, or call 882-8312.

The selection, with preference given to College of Education students, will be made by Sept. 15, 1982.

PROFESSIONAL SECRETARIES INSTALL OFFICERS—The University chapter of Professional Secretaries International installed officers for the 1982-83 year at their June meeting.

New officers are Rosemary Crane, administrative secretary in the physics department, president; Pat Burbridge, administrative associate in Ellis Library, president-elect; Margie Ross, administrative secretary in the Missouri Kidney Program, vice president; Barbara Gorman, senior secretary in the civil engineering department, secretary; and Ruth Martin, chief accounting clerk in the entomology department, treasurer.

The University chapter was awarded "Chapter of the Year" for the second consecutive year at the Missouri Division Meeting of Professional Secretaries International held in St. Charles in June.

NEWCOMERS TO THE UMC CAMPUS can familiarize themselves with the University buildings and grounds with 30-minute guided "Tours From the Tower," starting at 1:45 p.m. Monday through

Frijters: Employee performance evaluations needed on regular basis

The importance of employee performance evaluations has been demonstrated to several departments, said Ria Frijters, vice chancellor for Administrative Services.

Several recently approved personnel policies concerning direct promotion, layoffs and rehiring use seniority as the basis for making a decision, "everything else being equal."

Unless performance evaluations are on file, all other factors must be considered equal, Frijters said, leaving departments no choice but to use seniority as the only criterion in decisions for promoting, laying off or rehiring employees.

"In some cases, we've had to overrule the department's decision," Frijters said, because the employee with the least seniority was not the one to be laid off and no performance appraisals had been conducted.

Frijters stressed the need for all departments to conduct annual performance evaluations of their employees. "Performance appraisals should be conducted regardless of the layoff policy," she said. "It's the only way employees can find out how well they are doing and how to improve their performance if necessary."

The Personnel office at 882-4221 can provide information on how to conduct performance appraisals.

Friday and at 10 a.m. on Saturday. Group tours for more than 10 persons can be arranged through the Office of Visitor and Guest Relations at 882-6333.

EQUAL OPPORTUNITY DEVELOPMENT FUND proposals for enhancing the University's retention of disadvantaged students are due Sept. 21. Announcement of funded proposals will be made by Oct. 15.

Priority will be given to projects which will increase the retention of disadvantaged students; improve the living, learning and environment of disadvantaged students; and promote greater understanding of and mutual respect for disadvantaged individuals in a pluralistic society.

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MIZZOU PEOPLE

Monkey chatter may aid technology

Recordings of "monkey talk" from African jungles may one day make life easier for telephone operators, secretaries and others.

Charles Brown, assistant professor of psychology, is studying monkey communication to gain insights into human hearing, insights also necessary to design computers that will respond to our spoken commands.

"Until we understand how the brain processes sound, it won't be possible to make really useful 'listening' devices or treat some hearing problems," says Brown.

Human speech, with its thousands of sound combinations and rules, is very complex. Brown believes that by studying monkey talk, which is much simpler, many of the basics of speech processing in humans can be discovered.

Computers that understood spoken words would be a boon. Telephone operators could be freed of much drudgery by computers that understood requests for numbers, secretaries might throw away their dictaphones if typewriters had computerized "ears," "intelligent" appliances could aid the handicapped.

"Devices have been built that understand some words, but their vocabularies are limited," Brown says. "Worse, they usually understand just the person's voice they've been programmed to respond to and only under optimal conditions at that."

Even 2-year-old children can understand different voices despite variations in pronunciation, inflection and grammatical idiosyncracies, he notes. The best computers cannot.

What's more, monkeys, like humans, are able to understand vocal communications under demanding conditions—the din of the jungle makes a busy office seem quiet by comparison.

For starters, there's insect noise, a background rasp of considerable sonic intensity. Add wind, bird calls, other animals and other monkeys and you have a crowded, confusing sonic brew.

"Parents may sleep through the sound of a jet taking off, but awaken to the much quieter cry of their baby," Brown says. Such discriminatory abilities, he believes, were developed by our remote ancestors, who aren't around today. Monkeys are.

Old world monkeys' present habitats are believed to closely resemble man's earlier environment. Thus, monkey communication may provide insights into human speech processing.

Brown spent several weeks in Kenya last summer, recording monkey sounds in forests and savannahs. The tapes are being analyzed and will be used to simulate jungle noise in the laboratory, where monkey hearing will be closely studied.

For example, Brown and his associates have shown that old world monkeys have some calls that seem designed specifically to let a monkey locate its fellows. Such calls, like much human language, are neutral, as opposed to emotion-conveying. And they can be heard and located over considerable distances despite jungle noises.

Indeed, many monkeys seem to have adapted calls to their specific acoustic environment, be it jungle or grassy savannah, just as our ancestors may have.

Brown suspects a sound's pitch or frequency has as much to do with communicability. Human speech, we know, is composed of phonemes, identifiable sounds of specific pitch. Monkey communication may rely on somewhat similar pitch cues, a hypothesis Brown hopes to test in the laboratory.

In earlier experiments, Brown showed that monkeys can locate the source of sounds to within a few degrees, despite other noises. Certain acoustical features of calls seem to make such localization easier, much as speech phonemes seem to elicit attention from humans even in noisy surroundings.

"Admittedly, there's much work to be done before we can make practical use of the things we're learning," Brown says, "but an understanding of how the nervous system processes speech is essential."

--Larry Myers &
Robert Burns
News Services

People

TERRANCE CLINTON MILES, an audio-visual assistant at the Academic Support Center, died June 30. He was 22.

Miles is survived by his parents, a sister and an aunt. The family suggests memorial contributions to the Ronald McDonald House, in care of Susan McDavid, 3609 Arbor Drive, Columbia.

CHARLES W. GEHRKE, professor of biochemistry and manager of the Experiment Station Chemical Laboratories, lectured at a number of universities and institutes in Japan, the People's Republic of China, the Philippines and Taiwan this summer.

Gehrke presented lectures on new chromatographic methods for modified nucleosides in RNA and DNA and biologic markers in cancer; and the chromatographic analysis of amino acids in biological and agricultural materials.

In addition, he represented the Association of Official Analytical Chemists on the validation of analytical chemical methods.

FRED MANN, assistant director of College of Agriculture international programs, is a member of a task force named by President Ronald Reagan.

Mann is executive secretary of the Presidential Agricultural Task Force Reagan appointed following the Cancun Summit last October. The seven-member task force recently completed a two-week study and consulting tour to Peru made at the invitation of Peruvian President Fernando Belaunde Terry.

Mann also has prepared briefing papers for the recently created Presidential Agricultural Technical Mission to Honduras. He spent June 10 to 24 in Honduras to prepare briefs at the invitation of AID and the Honduras government.

CHARLES C. CAMPBELL, associate vice provost for Extension, has received the Distinguished Service Award from the U.S. Department of Agriculture.

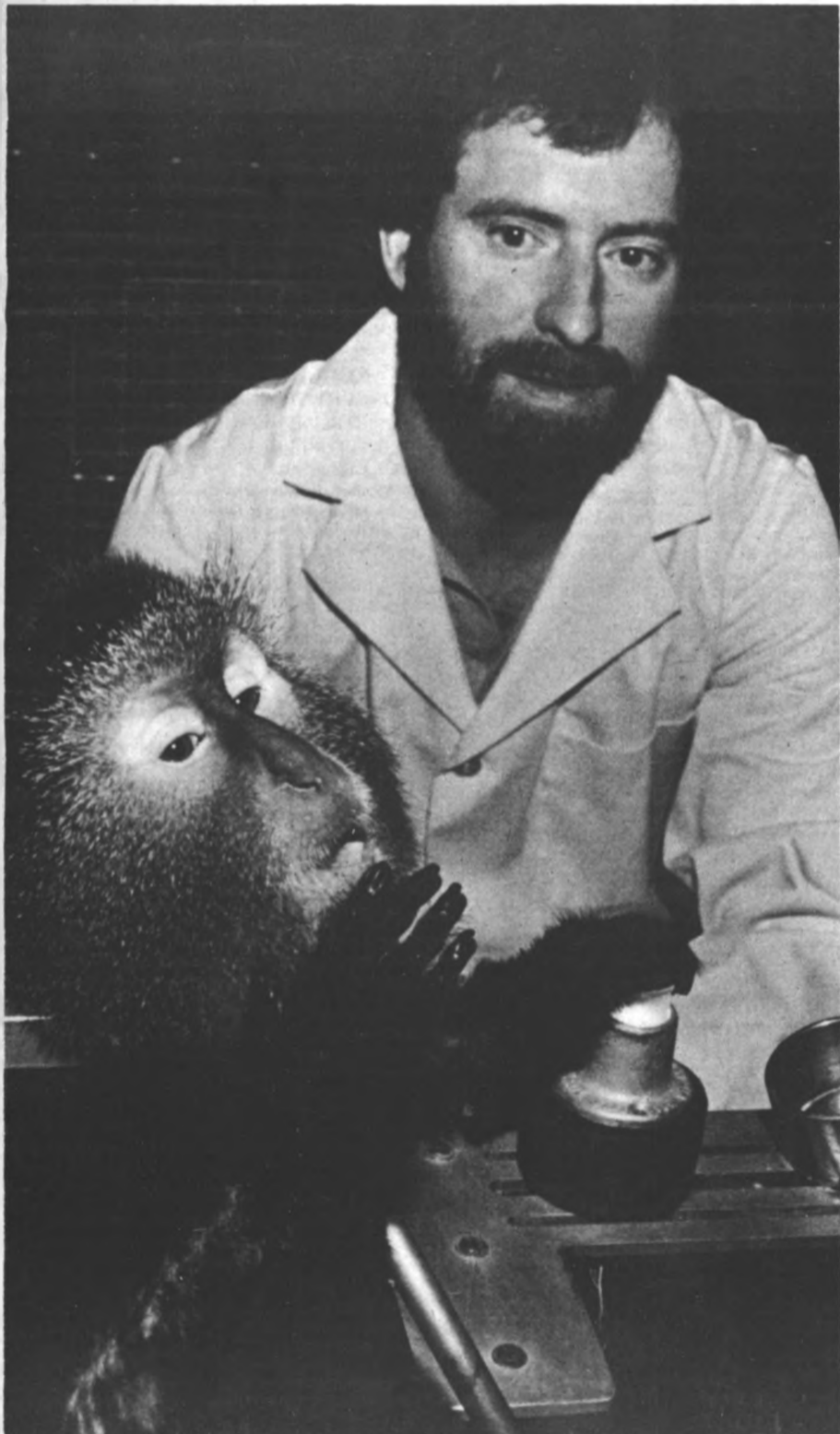
Campbell, who was on senior executive leave from the University last year, was awarded May 19 for his work on the 1983 fiscal year Federal Extension Service budget. The award was signed by Secretary of Agriculture John Block and cited Campbell for outstanding service.

CHARLES SLIVINSKY, professor of electrical engineering, has been named chairman of the UMC electrical engineering department. He had been interim chairman of the department since August 1981 and director of graduate studies before that.

Slivinsky has been a member of the UMC faculty since 1968. His research and teaching interests are in applications of computers to aircraft flight control and industrial processes.

Slivinsky is active in the Institute of Electrical and Electronics Engineers as technical editor of IEEE's journal, Potentials, and as a member of IEEE's Student Activities Committee. He is also

(Continued on page 5)



Mary Lee Fleischer

"To talk with the animals" is not just the ambition of Dr. Doolittle. Assistant professor of psychology Charles Hunter, with the help of primates, such as this African forest monkey, is studying monkey communication in order to gain insights into human hearing and how the brain processes sound.

Uehling speaks to Council

Chancellor Barbara S. Uehling told members of the Staff Advisory Council Aug. 5 that "several positive things" had resulted from last spring's attempt to reallocate funds through elimination and reduction of programs.

"More people in the state are now aware of our needs," the chancellor said. "We've learned more about ourselves and institutions...we're better off than we were before because we know more about ourselves."

She also added that the Board of Curators is becoming more closely involved in the solution to the University's budget problems.

Uehling explained that the Board of Curators has requested suggestions from employees on ways to save money and cut costs at the University.

The chancellor has appointed an ad hoc committee to establish a suggestion program; that group also will review the resulting recommendations.

"We need help from this group...encourage your fellow employees to make responsible suggestions," Uehling asked.

Uehling said the budget outlook was not optimistic, but the University "is better prepared to meet the future than many other places."

The chancellor also explained that funds were allocated for the midyear salary increases through resignations, retirements and the use of special central funds.

Special equipment funds were used in some academic areas in order "to give units time to allow resignations and retirements to occur."

Uehling also said she was "extremely pleased" about the passage of the \$600 million state bond issue, adding that the main library was a "high priority" on the University's list of capital needs.

Also invited to speak at the meeting was Connie Wood, assistant director of Personnel. She explained that some misunderstanding had occurred about the layoff policy.

Executive and administrative employees are exempt from the policy's provisions, Wood explained; however, preferential placement is determined by the vacant position and not the position of the person laid off.

For example, she explained, if the

Staff absence to consult, teach will be regulated under guidelines

Guidelines have been established for nonacademic exempt staff members engaged in consulting or teaching services for pay during what is usually considered "normal working hours."

In a letter sent to administrative officers, Chancellor Barbara S. Uehling stated that such activities are "appropriate" for qualified staff and are similar to the privileges granted faculty.

No written policy governing such activity has existed before, according to Vice Chancellor for Administrative Services Ria Frijters. "It was very unclear what people could do and couldn't do...there was no uniform application of the campus position," she said.

The following guidelines should be followed by staff members doing con-

Staff Council

(From page 1)

interviewers walking from one office to another to hunt for applications and exchange information. The computerization would allow more efficient access, as well as more complete cross-indexing of skills with job requirements, Petit said. The feasibility study is also comparing operational costs of hooking up to the campus main-line computer to purchasing its own mini system.

A number of people have been placed in the layoff pool over the past 12 months, Petit said. Of those, only a few have been

manager of accounting applied for an accountant position, preferential placement could be used, but not if an accountant applied for a managerial job, because the position is administrative.

"That's not to say that we on the Columbia campus won't work (with administrative/executive employees)," Wood said, "but the applicant pool would not be restricted solely to internal applicants."

In recruitment for professional positions, exempt from overtime, preferential placement would be used and the applicant pool restricted to internal candidates. Some positions, such as Administrative Associate II, would have to be evaluated individually, whether the duties are primarily fiscal or managerial.

Wood also stressed that the four campuses were working together to place applicants from the layoff pool, and added that the jobs from other UM campuses are always listed in the Personnel office.

She also said that the number of vacancies on campus was down "probably at least 50 percent," which she attributed to the economic times and fewer people leaving.

"It's a buyer's market if you're recruiting," Wood said, since the number and quality of applicants from outside the University have increased.

Wood also discussed her concern with communication problems between employees and the Personnel office.

She stressed that any discussion of problems with the Personnel office would be kept strictly confidential and that she has even talked with employees during non-work hours to protect that confidentiality.

In other action at the meeting, Council Chairwoman Pat Ives said a memo had been received stating that Chancellor Barbara Uehling had forwarded a letter from the Council to UM Vice President James Buchholz.

The letter had recommended that all years of service be considered when calculating a University employee's retirement benefits. Currently, no more than 35 years of service are calculated into the benefits, regardless of the total number of years of service at the University.

sulting or teaching:

- Time off for teaching or consulting, whether with or without pay, must be approved by the employee's immediate supervisor, with consideration of the department's immediate needs.

- All time off granted as well as the employee's earnings, must be reported quarterly to the appropriate provost or vice chancellor.

- The University will pay for travel expenses if the honorarium or expense compensation is turned over to the University and the service deemed to be in the best interest of the University.

- Consulting and teaching must be professionally related.

- Travel advance funds are not to be used for teaching or consulting.

working regularly with the Personnel office to find University employment. His office has begun corresponding with laid off employees in an effort to keep the list updated.

The remainder of the Council meeting dealt primarily with procedural questions for the Council itself. In the course of making by-law changes, members strongly endorsed a proposal to prohibit campaigning for election to the Council at the University's expense. The next election will be held sometime in November.

The Council will meet again at 1 p.m. Sept. 9 in S6 Memorial Union.

Pay raises for work-study students were among those approved by the Board of Curators in July. The levels

of the work-study student wage scale, except for Level 1, Step 1, increased 7.8 percent Sept. 1.

STUDENT WAGE SCHEDULE 1982-83 Salary Year

		LEVELS			
		1	2	3	4
LEVEL I	Work which requires limited degree of training or skills.	\$3.45	\$3.85	\$4.01	\$4.16
LEVEL II	Work which requires considerable proficiency in a specialized skill or specialized experience.	\$4.07	\$4.24	\$4.41	\$4.59
LEVEL III	Work which requires a high degree of skill proficiency or training.	\$4.50	\$4.68	\$4.86	\$5.07

GRADUATE OR PROFESSIONAL STUDENT ASSISTANT

LEVEL IV	Entry level work in professional areas where a bachelor's degree is required.	\$4.96	\$5.16	\$5.38	\$5.58
LEVEL V	Advanced level work in professional areas requiring advanced capabilities or experience beyond the baccalaureate degree.	\$5.49	\$5.69	\$5.93	\$6.17

Jobs

Staff Openings

The following job openings at the University were approved and posted Monday, August 30, 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, 309 Hitt St., at 882-4221. Salary codes follow each listing in parentheses.

CHARLES HUNTER Professional/Administrative

Coordinator, Special Assignments (E-8), University Relations-UMca; Senior Fiscal Analyst (E-7), Investment Trust-UMca (deadline 9-10-82).

MARY SLEDGE Professional

Administrative Associate I (E-5), University Book Store; Assistant Manager, Accounting Services (E-9), Accounting Services; Community Relations Coordinator (E-8), University Relations; Continuing Education Coordinator (E-6), University Extension; Veterinary Medicine; Executive Staff Assistant (E-5), School of Nursing; Fiscal Analyst (E-4), Budget Services; Student Services Coordinator (E-7), Student Development (deadline 9-10-82); Supervisor, Veterinary Medical Records (M-58), Veterinary Medicine & Surgery.

CINDY MORRIS Research/Data Processing

Computer Operator, Central Facility (M-58), CIS Network Operations-UMca; Computer Programmer I (M-59), B&PA Research Center; Computer Programmer/Analyst II (E-9), Admin. Computing Services, Atmospheric Science.

Licensed Practical Nurse (M-58), Child Health; Research/Laboratory technician (M-56), Agronomy, Plant Pathology, Vet. Med. Diag. Lab. (2); Sr. Research/Laboratory technician (M-59), Biological Sciences, Pharmacology, Physiology, Vet. Med. Diag. Lab.; Sr. Research Specialist (E-8), Research Reactor-UMca; Systems Analyst (E-9), CIS Information Systems-UMca.

JANE CORREIA Secretarial

Data Entry Operator II (M-55), Campus Facilities; Library Assistant I (M-57), Ellis Library; Library Clerk II (M-53), Health Sciences Library, Ellis Library; Secretary (M-55), Surgery Cardiothoracic, Surgery Orthopaedics, B&PA Marketing, Religious Studies, Obstetrics & Gynecology, Home Economics-Assoc. Dean's Office, UED-Instructional design, State Historical Society-UMca, UED-Emergency Medical Training.

Secretary-Stenographer (M-54), Veterinary Microbiology, Coop. Ext.-Horticulture, Library & Information Science, Coop. Ext./Poultry Science, PAVTE (ends 5-15-83), Sr. Clerk Typist (M-54), Agronomy, Sr. Secretary (M-57), Physical Medicine & Rehabilitation, B&PA-Extension, Sr. Stenographer (M-54), Law School, School of Nursing.

CAROL WAITS Clerical/Service

Clerk Typist (M-51), MO Institute of Psychiatry (St. Louis, Mo.); Clerk Typist II (M-52), UED-Conf. & Short Courses, Purchasing, Food Service Worker III (H-11), Memorial Union, Foreman, Agriculture (M-57), Animal Science, Stenographer (M-53), English.

Part-Time/Temporary

Clerk Typist II (M-53), American Archaeology (F.T./Temp till 1-83); Secretary-Stenographer (M-54), Child Health (20 hrs. per week, perm., effective 10-82); Computer Programmer I (M-59), Research Prog. Services (20 hrs. per week, perm.).

Switchboard Operator (M-53), Business Operations Office (F.T./temp), Seasonal Farm Worker (H-1), Ag. Director's Office (20-30 hrs. per week temp.), Student Assistant-Technical, Pharmacology (10-12 hrs. per week), Surgery (30 hrs. per week).

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

ANN NADLER Administrative/Professional

Administrative Dietician-Nutrition & Dietetics (2), Assistant Manager-Medical Records, Child Life Activity Therapist-Pediatrics, Fiscal Analyst-Accounting, Training Coordinator-Education & Training.

LORI TANZER Administrative/Professional

Assistant Manager-Radiology, Radiation Physicist-Radiology.

KEN KUSCHEL Administrative/Professional

Supervisor-Nutrition & Dietetics.

PATTY SCOTT Clerical

Chief Clerk-Nursing Service, Clerk II-Medical Records-Pharmacy (2), Hospital Unit Clerk-Nursing Service, Senior Accounting Clerk-Hospital Reimbursement, Senior Clerk Typist-Nursing Service-Nursing Service, Medicine Area (2), Senior Receptionist-Family Medical Care Center, Senior Secretary-Nutrition & Dietetics, Unit Staff Assistant-Pediatrics.

GINA KINCAID Nursing - 882-8701

Administrative Nurse I-Nursing (5), Clinical Nurse I-Nursing (6), Education Nurse I-Nursing (3), IV Nurse-Pharmacy (3), Licensed Practical Nurse-Nursing, Nurse Anesthetist-Anesthesiology (3), Staff Nurse-Nursing (15).

LORI TANZER Technical

Histologic Technician-Pathology, Medical Technologist-Special Hematology, Nuclear Medicine Technologist-Radiology, Occupational Therapist-Occupational Therapy (2), Physical Therapist-Rusk Hospital (2), Registered Respiratory Therapist-Respiratory Therapy, Senior Biomedical Equipment Technician-Clinical Engineering, Senior Research Laboratory Technician-Immediate Response Lab.

Part-time or temporary

Data Entry Operator II-Nursing Service, Food Service Attendant I-Production-Cafeteria (4), Hospital Unit Clerk-Nursing Service, (2), IV Nurse-Pharmacy (2).

Licensed Practical Nurse-Nursing (2), Sales Clerk-Candy Counter, 8 a.m. - 1 p.m. M-F, Secretary-Nursing Service, Staff Nurse-Nursing (5), Student Nurse-Nursing (2).

People (From page 3)

national coordinator of student activities for IEEE's Computer Society.

Slivinsky received his bachelor's degree in electrical engineering from Princeton in 1963 and a Ph.D. in electrical engineering from the University of Arizona in 1969.

EUGENE W. SHARP, professor emeritus of journalism at the University who spent nearly a half century teaching at the School of Journalism, died June 6 in Columbia. He was 83.

Sharp had been with the School of Journalism since 1924 and for virtually that entire time supervised student reporters on the *Columbia Missourian*, the journalism school's general circulation teaching newspaper. It has been estimated that more than 10,000 students came under his supervision.

"He for many years was a symbol of the professional discipline for this school," said Roy M. Fisher, former dean of the School of Journalism. "He ran the city desk on a demanding schedule and helped to establish this school as one noted for well-trained graduates."

Sharp was born in Chicago and received his A.B. degree from Princeton University. He earned a bachelor of journalism degree in 1923 and a master's degree in 1926, both from UMC. Before joining the journalism school here, he was a reporter on the *Oklahoma City Times* and telegraph editor with the *News-Capital* in McAlester, Okla.

In 1930-31, while on leave from UMC, Sharp was a reporter on the *Kansas City Times*. He was acting dean of the journalism school in 1945.

Sharp retired in 1969 at which time the Missouri House of Representatives passed a resolution extending the House's "sincerest commendation, appreciation and congratulations to Eugene W. Sharp for his long and distinguished service in education."

MARTHA C. LORAH, retired assistant professor in the UMC pathology department, died May 20. She was 75.

A UMC alumna, she received her bachelor's degree in 1934 and her master's degree in 1942.

She is survived by her husband, Professor James R. Lorah, a daughter, granddaughter and two brothers.

JAMES THOMAS MCAFEE, professor of English who taught at the University for nearly 30 years, died Aug. 10 at the age of 54.

McAfee received his bachelor's degree in 1949 and his master's in 1950 from UMC, returning in 1953 to teach after serving in the Army.

The author of more than 100 published poems and short stories, McAfee was awarded \$1,000 from the National Council on the Arts for his story, "Lady of the World." He received a \$6,000 creative writing fellowship grant from the National Endowment for the Arts in 1976.

His only novel, "Rover Youngblood," was nominated for a Pulitzer Prize in 1969; it was also produced as a play by the University Readers Theatre that same year.

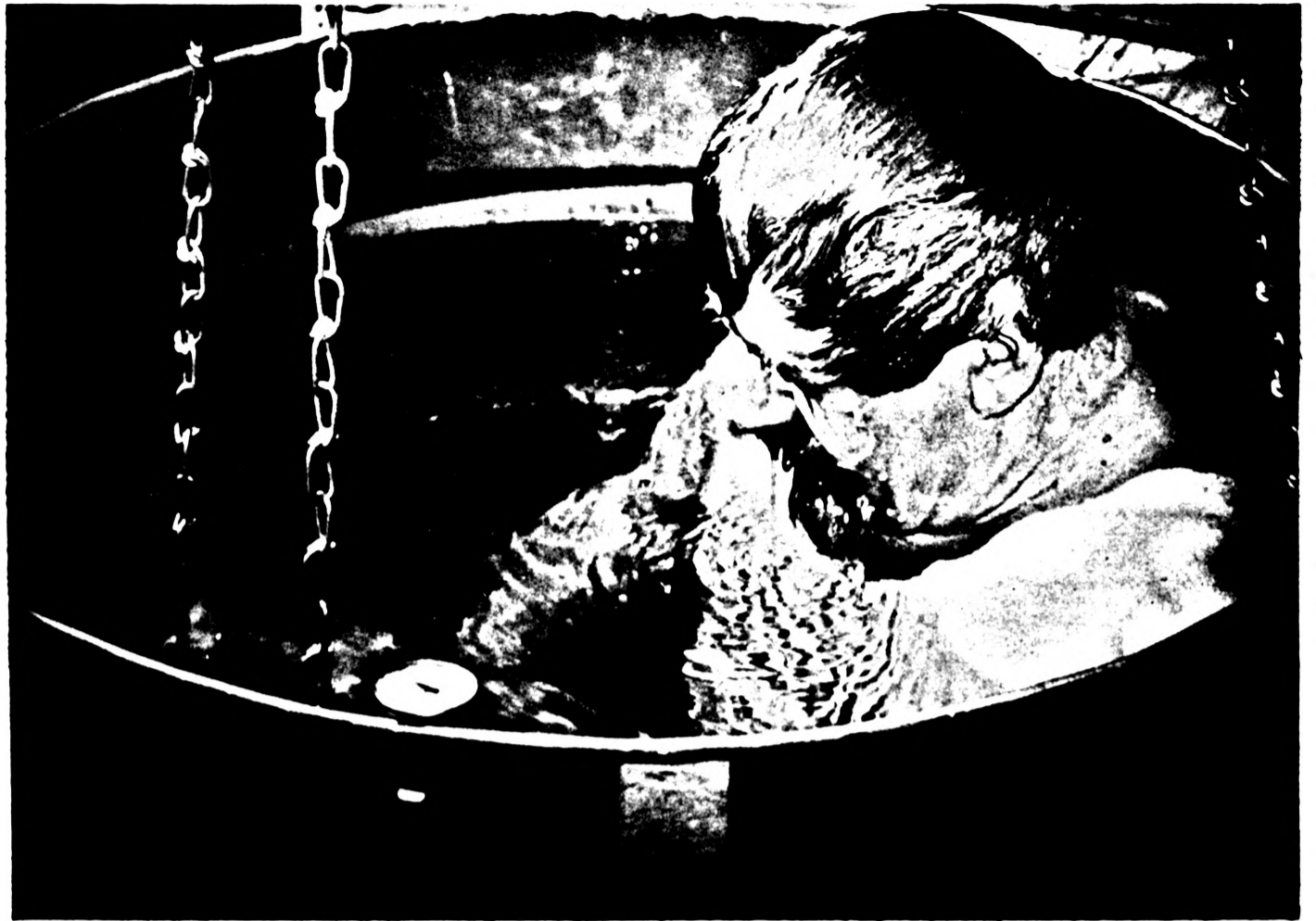
McAfee's specialties were creative writing and literary criticism; he taught a course in book reviewing at the School of Journalism for several years and served as editor of the Sunday book page for the *Columbia Missourian*.

A member of the Author's League, the Author's Guild and the Advisory Board for the American Audio Prose Library, McAfee was also an associate editor of the *Missouri Review*.

McAfee is survived by his father and stepmother and a stepsister.

THOMAS W. SHAUGHNESSY, assistant director of the University of Houston Libraries, Houston, Texas, has been appointed Director of Libraries at UMC.

Shaughnessy, whose appointment is effective Nov. 1, will be responsible for a full-time staff of approximately 170 at Elmer Ellis Library and eight branch



Larry Boehm

John Typpo

Professor loses weight without dieting

We all know chronic dieters, two-week soldiers engaged in a continuing fight against fat, a fight they never entirely win. Does a lack of self-discipline keep them locked in the cycle, or does the method contribute to their madness?

Indeed, many dieters resort to main-stay menus of cottage cheese, grapefruit or mounds of lettuce, effectively winning the battle but losing the war.

"Typically, on a quick weight-loss diet, you will lose two-thirds muscle mass and water and one-third fat," says John Typpo, professor of nutrition at the University. "Naturally, when you go back to a normal diet, the water comes back and you haven't learned anything about how to keep weight off."

There are many kinds of weight loss, Typpo says, but the best kind is fat loss. Typpo volunteered to be the guinea pig in a weight-loss experiment for his Nutrition I class in order to prove how important both a balanced diet and exercise are to losing fat. The 6-foot, 53-year-old professor weighed 226.5 pounds in January. His goal was to lose 24 pounds in 16 weeks, or 1.5 pounds per week.

"In order to make this kind of example effective, one has to be overweight," Typpo says with a smile. "And I was."

If there are different kinds of weight loss, there are just as many means of losing weight. But the key to weight loss, whatever avenue you take, is expending

more energy, or calories, than you take in. Typpo wanted to show his students that an increase in exercise without any change in diet was a good method of losing both weight and fat.

Since he was already jogging three miles several times a week, Typpo simply increased that to a three-mile jog daily beginning in January. He also started riding an exercise bicycle five miles a day.

Typpo continued eating in exactly the same manner as he always had—three balanced meals a day and no guilt for an occasional strawberry shortcake.

"I love to eat, I really do," Typpo says. "I don't want to have a lifestyle that stamps out those joys."

Typpo's co-instructor recorded his calorie intake so he would know how much exercise he needed to burn off his calories plus some. He weighed himself weekly. When his weight loss slowed, he increased his exercise. As he lost pounds, he was hauling less weight around the track, and thus was expending less energy. In addition, he used less energy as his body became better trained, much as a well-tuned car engine requires less gasoline. By May, he was jogging six miles a day and riding his exercise bike 15 miles a day.

Since Typpo spent more calories than he ate, his weight loss was steady. However, the other test of his experiment

was that the primary weight loss be body fat. And while bathroom scales can't tell you how much weight loss is fat, other more scientific methods of weighing can.

The most accurate indicator of body fat is body density. At 28-day intervals, Typpo went to the University Human Performance Lab, and after weighing on regular scales, climbed into a tank of water. Submerged beneath the water, he sat on another scale. The difference in the two weights showed his body fat, since fat is less dense, or lighter than water, and becomes buoyant in water. Typpo's fat did not register on the scale. However, his muscle did, because muscle is more dense, or heavier, than water.

Typpo's body density measurement at the end of May proved that his weight-loss program was a success. Not only had he lost 24 pounds, but 90 percent of the loss was fat, with his body fat down from 38 percent to 32 percent. The ideal for men is about 15 percent.

Typpo plans to continue his weight-loss program on his own until he gets close to that percentage. But although his experiment was instructive and interesting for his students, he's not going to try it for his next class.

"I couldn't do this every semester, or I'd wither away," he says.

--Catherine Hinman
News Services

libraries including engineering, geology, journalism, health sciences, veterinary medicine, Research Park, mathematical science and the Library Annex.

Shaughnessy has written and taught in the area of library services in addition to extensive experience in library administration.

Shaughnessy holds a doctorate in library administration from Rutgers University, a master's in library science from the University of Pittsburg and a bachelor's from St. Vincent College in Pennsylvania.

JOHN L. "JACK" LYON, instructor in the continuing education department at the School of Medicine, died Aug. 8. He was 47.

Lyon received his bachelor's degree in

education from the University, a master's degree in public school administration from the University of Colorado-Denver and his doctoral degree in adult and higher education from UMC.

Lyon is survived by his wife, two daughters, a sister and three brothers.

KENNETH KOBRE, assistant professor of journalism at the University of Houston, has become chairman of the photojournalism sequence at the UMC School of Journalism.

Kobre replaces Angus McDougall who is retiring after 10 years in the position.

Kobre was at the University of Houston the past three years where he directed the photography sequence in the School of Communication and taught both beginning and advanced photo courses.

He wrote the textbook, "Photojour-

nalism: The Professional's Approach," which has been adopted by 125 Universities. He has written another book published this summer: *How to Photograph Friends and Strangers*.

Kobre's photographs have been published in many national newspapers and magazines including *Time* and *The New York Times Magazine*.

He received his master's degree from Brown University in 1971 and has completed residential work at Brown for his doctorate.

LAWRENCE MCKININ, 64, retired University art professor, died June 6.

McKinin helped found the UMC art department, where he taught for 34 years.

He is survived by a daughter, a son, two brothers and three sisters.

Footnotes

COLLEGE OF AGRICULTURE

The PRUDY WEIDENHEIMER Memorial Scholarship has been established for animal science majors interested in studying horses.

Weidenheimer, a student from West Lawn, Pa., was enrolled in such a program as UMC animal science major. She was killed in an automobile accident during the summer of 1981, after completing her junior year.

The \$500 scholarship, the first of its kind for students with an interest in equestrian science, will be granted to an eligible student each year beginning with the 1982-83 school year.

The scholarship fund, now at \$5,483, was established by friends and relatives of Weidenheimer.

HERBERT LIONBERGER, professor of rural sociology, presented "Toward an Idealized Systems Model for Generating and Utilizing Information for a Modernizing Agriculture" at a recent international conference held at the East-West Center in Honolulu. The conference program concerned knowledge utilization.

The MISSOURI FARM ELECTRIFICATION COUNCIL has renewed a research grant with UMC to study electric power and energy.

ALBERT GARCIA, UMC agricultural engineer and the Council's project leader, said the \$48,000 grant will be used to support a research project for the next three years.

ROGER G. HANSON, associate professor of agronomy, has received two unrestricted research gifts. A gift of \$2,000 was presented to the Department of Agronomy from the Willco Foundation Inc., to support Hanson's research in nitrogen fertilizer management and another gift of \$7,000 was received from Dow Chemical.

KENNETH L. MCFATE, professor of agricultural engineering and president/general manager of the National Food and Energy Council, was presented a "Friend of 4-H" award during State 4-H Week held on the UMC campus.

RALPH R. ANDERSON, professor of dairy science, has edited a new book, *Relaxin*. (Plenum Press, New York), a detailed report on a key hormone in child-birth. More than two dozen authors contributed to the book based on information reported at the 15th Midwest Conference on Endocrinology and Metabolism held at UMC in October 1979.

Anderson also co-authored a chapter in the book on the effect of relaxin on mammary growth in the rat. This basic study and others are part of Anderson's long-range goal to increase milk production in dairy cows.

LEWIS GLOSSON SHEFFIELD, a master's candidate in the Department of Dairy Science, has been awarded a \$250 research grant by Sigma Xi, a professional scientific society. The research grant, under the direction of RALPH ANDERSON, professor of dairy science, will be used to study mammary stimulating hormones.

DAVID R. KELLEY, University livestock specialist, has been honored by the Missouri Beef Cattle



Larry Boehm

Recent Service Award recipients in the Office of Campus Facilities are (front row) Donald Burnett, steamfitter, 15 years; Eddy Harmon, painter, 10 years; Ralph Worley, sign painter helper, 20 years; Eugene Pierce, control mechanic, 10 years; and Dennis Payne, cinder equipment operator, five years;

(Second row) Delbert Wheeler, janitor, 15 years; Walter Watson, building maintenance custodian, 10 years; Lloyd Haley, supervisor, Sheet-metal Shop, 10 years; J.B. Meyer, steamfitter, 20 years; and Roscoe Stemmons, auditorium attendant, 10 years;

(Back row) Jerry Thornton, mechanical trades specialist, 10 years; Frank Bowen, mason tuckpointer, 20 years; Michael Pierce, electrician, 10 years; Roy Fenner, lead campus, 10 years; and Ralph Phillippe, driver, Campus Shop, 15 years.

Association for outstanding contribution to the genetic improvement of beef cattle in the U.S.

BILL WESTHOFF JR., coordinator of Fire Training, conducted a fire training program in Green River, Wyo., last April. "Instruction Techniques for Company Officers" was presented to fire service personnel from both Wyoming and Colorado. The National Fire Academy requested Westhoff to instruct the class, which is part of the Fire Academy's Field Program for 1982.

Westhoff conducted a similar program at Iowa State University in June.

DEPARTMENT OF ANTHROPOLOGY

CARL H. CHAPMAN, professor, recently was selected to serve on the board of directors of the Missouri Heritage Trust Inc. Preservationist Society. The society is the only statewide, not-for-profit organization that promotes preserving Missouri's heritage.

DEPARTMENT OF ART

Screenprints by **LAWRENCE RUGOLO**, professor, were selected by jurors to be included in two national print exhibitions.

"Emergence," a richly textured figurative work, was chosen by Robert Lee Mejer for the Alice Lloyd College Third Annual Works on Paper Art Exhibition at the Caney Creek Community Center in Pippa Passes, Ky., which was open during March and April 1982 and will travel to other U.S. universities until September 1983.

"Time Zone I: Space Exchange," a print featuring displaced architectural and figural motifs, was included in the 24th Annual National Exhibition of Prints and Drawings shown at the Oklahoma Art Center in Oklahoma City, Okla., during April. The juror was Robert A. Nelson.

RAEFORD W. LEWIS, graduate assistant, has had a painting accepted in the 17th Joslyn Biennial Exhibition in Omaha, Neb. The accepted painting is an acrylic entitled "The Town Square."

DAVID BUTLER, associate curator at the Museum of Art and Archaeology, was selected as one of 13 participants in a six-week professional development seminar to West Africa for museum educators held from June 13 to July 25. The seminar, organized by the African Studies Program at Indiana University and funded by a grant from the Office of Education, included visits to a variety of museums and places of cultural and historic interest. The purpose of the seminar was to acquaint non-specialists with African art and culture and to lay the groundwork for future exchanges of ideas and information between American and African museum professionals.

Drawings by **WILLIAM BERRY**, professor, were selected recently for juried exhibitions in Texas and in North Dakota.

Berry's "Still Life For Heraclitus" was selected by juror Howard N. Fox, assistant curator for exhibitions at the Smithsonian Institution's Hirshhorn Museum and Sculpture Gardens, for display in a national exhibition of painting, sculpture and graphic art at Laguna Gloria Art Museum in Austin, Texas. The Texas Fine Arts

Association sponsored the exhibit.

"Still Life For Apollonius" was selected for exhibition by Felicia Garcia, director of the Philadelphia Print Club, to show in the 25th annual North Dakota Print and Drawing Exhibition at the University of North Dakota, Grand Forks, N.D.

Both drawings involve geometric solids and are dedicated to ancient mathematicians.

DIVISION OF BIOLOGICAL SCIENCES

GERALD SUMMERS, assistant professor, presented "Testor: An Instructional Management and Student Evaluation Tool for Programs of Individualized Instruction" at the annual meeting of the Society for College Science Teachers held in Chicago.

He also presided at a symposium on federally funded projects in college science teaching.

COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

STANLEY J. HILLE, dean, has become a member of the Department of Commerce's District Export Council for the St. Louis area. Hille's invitation to join was issued by U.S. Secretary of Commerce Malcolm Baldrige.

THE SCHOOL OF ACCOUNTANCY, part of the College of Business & Public Administration, is among 18 schools nationwide to be accredited by the American Assembly of Collegiate Schools of Business. More than 30 schools applied for AACSB accreditation this year.

In the past, only entire business schools were accredited, but AACSB recently decided to allow accreditation for accountancy programs because they represent a licensed, clearly defined profession.

RICK ELAM, associate professor and director of accountancy, has been invited to advise administrators and faculty at King Saud University's Uniyzah campus in Saudi Arabia this fall. Elam, who has consulted with Saudi Arabian educators before, is widely known for his work in the application of computers to accounting problems.

DEPARTMENT OF CHEMISTRY

ELMER O. SCHLEMPER, professor, will receive the faculty-alumni award this fall. The award, based on outstanding teaching, research and service, is administered by the Alumni Association and is screened through a committee of students, faculty and alumni.

JEROME W. O'LAUGHLIN, associate professor, published "Separation of cationic metal chelates of 1, 10-phenanthroline by liquid chromatography" in *Analytical Chemistry* 54, 1982, 178-181.

TED R. SCHWARTZ, a graduate student, published "Determination of polychlorinated biphenyls in plant tissue" in the *Bulletin of Environmental Contamination and Toxicology* 28, June 1982

COLLEGE OF EDUCATION

JUDITH GROSENICK, professor of education, received a \$40,000 grant from the U.S. Department of Education to further her training project for personnel who work with disturbed youth.

M. MARJORIE MEREDITH, assistant professor in the Department of Health and Physical Education, published an article entitled "Don't Sell Your Trampoline" in the *Journal of Physical Education Recreation and Dance*.

MICHAEL DYRENFURTH, associate professor in the Department of Practical Arts and Vocational-Technical Education, participated in the National Information Conference on Vocational Education held recently in Arlington, Va. Dyrenfurth testified before the House Subcommittee on Elementary, Secondary and Vocational Education.

MARY JANE LANG, professor in the Department of Practical Arts and Vocational-Technical Education, published an article entitled, "Dictation-Transcription: Comparing Stenograph and Hedman Stenotype." The article was featured in the Summer 1982 issue of *Journal of Studies in Technical Careers*.

CLIFTON L. SMITH, assistant professor, and **JOHN E. ELIAS**, professor, Department of Practical Arts and Vocational-Technical Education, co-authored an article entitled, "The Local Vocational Education Administrator," which appeared in the Summer 1982 issue of *Journal of Studies in Technical Careers*.

BETTY L. MARTIN, associate professor, W.R. MILLER, professor, Department of Practical Arts and Vocational-Technical Education, and **DAISY CUNNINGHAM**, a graduate of the department, recently published an article entitled, "Sex-role Attitudes of Vocational Educators," which appeared in the Summer 1982 issue of *Journal of Studies in Technical Careers*.

THOMAS GOOD, professor in the Department of Curriculum and Instruction, presented a summary of the formal and informal curriculum of elementary school students to the National Commission of Excellence in Education, at the second annual meeting of the federal commission held in May.

LYNDA WEST, assistant professor in the Department of Practical Arts and Vocational-Technical Education, spoke on "Working with People with Special Needs" for Professional Secretaries International during National Secretaries Week.

The Gamma Chapter of Phi Delta Kappa has recently elected the following individuals as officers for the 1982-83 academic year: President, **LYNDA WEST**; vice president for programs, **CAMERON PULLIUM**; vice president for membership, **IRV COCKRIEL**; secretary/treasurer, **JOHN NEAL**; historian, **BECKY HESSENBRUCH**; foundation representative, **PEGGY NATARELLA**; research representative, **RICHARD HATLEY**; and chapter delegate, **RUBY JO BEHYMER**.

BETTY B. MARTIN, associate professor, and **JOAN QUILLING**, assistant professor, Department of Practical Arts and Vocational-Technical Education, presented an overview of the project entitled, "Nutrition Knowledge and Assessment" to the Missouri-Kansas Home Economics meeting in Kansas City.

ARNI DUNATHAN, professor, Department of Curriculum and Instruction, co-authored the article, "The Development of Curriculum and Instruction, co-authored the article, "The Development of a Reading Avoidance Measure." The article appeared in the winter issue of *Reading Improvement*.

REUBEN ALTMAN, professor, Department of Special Education, recently served as session leader of a symposium on vocational assessment and training of mentally retarded persons at the International Convention of the Council for Exceptional Children in Houston. In addition, Altman received a commendation for his contributions to the council's Division on Mental Retardation as chairman of its Publications Committee.

CHRISTOPHER J. LUCAS, professor, Department of Higher and Adult Education and Foundations, delivered an invited paper at a national Foundations Conference in Denver sponsored by the National Support Systems Project of the University of Minnesota. The paper, entitled "The Mandate For Equity: Another Challenge To The Foundational Component of Teacher Preparation," was one of six presented at the conference. Lucas was the featured speaker at the annual meeting of the Dean's Grand Projects, sponsored by the same group. Lucas spoke on the role of the foundations of education in unifying theory and practice in teacher preparation programs.

RICHARD ROBINSON, professor, Department of Curriculum and Instruction, had a monograph entitled "Explaining New Possibilities for Instruction" published for the Extension Division.

LARRY KANTNER, professor, Department of Curriculum and Instruction, was invited to be a guest of the State of Israel, Ministry of Education and Culture to attend an international seminar. The seminar, in cooperation with the International Society for Education Through Art (INSEA), hosted 50 lecturers from all over the world in various areas of art. Jerusalem was the site of the August seminar.

Kantner was recently appointed editor of the U.S. Society for Education through Art (USSEA) *Journal of Multi-Cultural and Cross-Cultural Research in Art Education*. The journal is a newly founded publication and will be issued annually with the first issue due in November 1983.

CARL CAMERON, assistant professor, has received funds for several projects dealing with the vocational training of handicapped students.

(Continued on page 7)

Footnotes

(From page 6)

The Columbia public schools awarded Cameron \$14,800 to set up criteria for entering handicapped students into special vocational programs. A \$25,075 grant from the Camdenton R-III School District will allow him to develop materials for student use related to entry-level skills needed before classroom training. An additional \$7,788 grant involves developing a master plan for delivery of vocational services to students with special needs in the Kansas City, Mo., public schools.

COLLEGE OF ENGINEERING

PAUL W. BRAISTED, professor and chairman of the Department of Mechanical and Aerospace Engineering, attended the annual summer meeting of the American Society of Mechanical Engineers to chair its Council on Member Affairs.

UEE WAN CHO, assistant professor of mechanical and aerospace engineering, recently received a \$48,000 grant from the National Science Foundation to conduct a study on "Creep Models Under Variable Multiaxial Stresses, a Comparison of Experimental Results."

MIKE COLLINS, a graduate student in civil engineering, recently was honored for presenting the best poster paper at the 9th Annual Area of Microbiology Graduate Research Symposium.

ROBERT M. EASTMAN, professor of industrial engineering, presented "Manufacturability as a Concept in Product Research Design and Development" at the 148th national meeting of the American Association for the Advancement of Science held in Washington, D.C. He also presented "Computer-Aided Material Handling" and "Interface between Computer Science and Industrial Engineering" at the ACM-CSC 1982 Computer Science Conference in Indianapolis.

Eastman also was listed in the 1982-83 edition of "Who's Who in Technology Today."

MRIGANKA M. GHOSH, professor of civil engineering, presented a paper on "Polymers in Direct Filtration" at a symposium sponsored by the International Committee on Filtration Research held in Ithaca, N.Y. He also presented "Competitive Adsorption of Chloroform on Activated Carbon" at the annual meeting of the American Water Works Association in Miami Beach.

Ghosh is the recipient of a \$10,585 grant from the U.S. Department of the Interior to determine the influence of particle size on water quality in agricultural impoundments.

JAY GOLDMAN, chairman and professor of industrial engineering, and **MICHAEL S. LEONARD**, associate professor, presented a paper on hospital information systems at the Joint American Institute of Industrial Engineers-Health Services Division and American Hospital Association Hospital Management Systems Society in San Diego.

DAVID HAGEMeyer, a research associate in electrical engineering, was awarded \$2,000 for his work in documenting, familiarizing and installing a real time scientific data archival and retrieval system for EG&G of Idaho, Inc.

GEORGE F.W. HAUCK, associate professor of civil engineering, presented a talk at the annual meeting of the U.S. Metric Association in Denver, Colo. He spoke on "Metrication in English Education."

JIMMIE HINZE, associate professor of civil engineering, served as moderator at a specialty conference of the American Society of Civil Engineers in Lafayette, Ind. He was awarded a \$200 Halliburton grant to attend the conference.

ROBERT W. MCLAREN and **RICHARD G. HOFT**, professors of electrical engineering, recently presented their on-going research and capabilities to the General Electric Corp. in Binghamton, N.Y.

AARON D. KRAWITZ, associate professor of mechanical and aerospace engineering, presented two papers at the 11th annual meeting of the American Institute of Mining, Metallurgical and Petroleum Engineers in Dallas. He wrote on "The Structure of Boron in Boron Fibers" and "Stress Measurements in the Interior of Solids Using Neutron Diffraction."

Krawitz also performed experiments on the general purpose powder diffractometer at the Intense Pulsed Neutron Facility, Argonne National Laboratories in Illinois.

GREG LARSEN, associate professor of electrical engineering, was in Washington, D.C., and New York City to brief funding agencies for the Japanese investment program and to brief the Department of Defense and congressmen on the logistics program. He was also in Dallas to brief the Army Defense Management Systems chiefs on logistics. The briefings were related to the University Office of Science and Technology.

SUDARSHAN K. LOYALKA, professor of nuclear engineering, presented "Gap Conductance in Nuclear Fuel Elements" at North Carolina State University. He also consulted with Battelle Memorial Institute on this topic and presented a paper on aerosol behavior at a specialists meeting in Los Angeles when he also met with the Nuclear Regulatory Commission and National Science Foundation managers.

WILLIAM MCFARLAND, associate professor of electrical engineering, received a \$10,500 supplemental grant from the U.S. Department of Agriculture for his work on development of data-base retrieval systems.

WALTER MEYER, professor and chairman of the nuclear engineering department, recently spoke at a PRB Press Briefing in New York City and also conferred with professionals in Washington, D.C., about the Missouri Engineering Fusion Facility.

Meyer also received a \$56,000 award from the Department of Energy for DOE Energy Graduate Traineeships to last through September 1984.

JOHN B. MILES, professor of mechanical and aerospace engineering, presented a paper to the American Institute of Aeronautics and Astronautics Second Terrestrial Energy Systems Conference and spoke with the staff at the Solar Energy Research Institute in Colorado. He is the co-author of "Aerodynamic and Hydrodynamic Testing Leading to an Optimized Bi-directional Wave Energy Turbine."

WILLIAM MILLER, associate professor of nuclear engineering, received a Department of Energy

Development award of \$21,956 to conduct training for high school teachers. The work will include science teacher workshops in basic nuclear science and applied nuclear energy systems.

DENNIS MORROW, assistant professor of civil engineering, was listed as an expert witness for a March public hearing concerning a Wyoming mining permit for the WYMO Coal Mine.

ROBERT O'CONNELL, assistant professor of electrical engineering, received a \$5,300 grant from Texas Instruments, Inc., for his work on an A Cu II ultraviolet laser to erase memory devices before the devices themselves program it.

O'Connell presented a seminar on lasers and laser applications in Colorado Springs.

JOHN T. O'CONNOR, chairman and professor of civil engineering, received a \$8,800 grant from the U.S. Department of the Interior to study coagulation and removal of algal suspensions in wastewater stabilization ponds.

MARK A. PRELAS, assistant professor of nuclear engineering, received a \$20,000 grant from the National Science Foundation for work on "Acquisition of Transient Recorder and Control Unit."

Prelas also served as a session organizer for the Plasma Science Meeting in Ottawa, Canada where he presented six papers.

J.V.R. PAIVA, instructor in civil engineering, presented "Surveying Missouri's Surveyors" at the 1982 ACSM-ASP Convention held in Denver. The conference was a joint meeting of the American Congress on Surveying and Mapping and the American Society of Photogrammetry.

RUSSEL PIMMEL, professor of electrical engineering, was a site consultant in the evaluation of a Mayo Clinic proposal in Rochester, Minn.

TRUMAN S. STORVICK, professor of chemical engineering, served as a panel member for the National Science Foundation Research Initiation Grant Reports for 1982 in Washington, D.C. He also presented a research seminar in the chemical engineering department at the University of Maryland, College Park.

MARLIN U. THOMAS, professor of industrial engineering, attended the Joint Institute of Management Science/Operations Research Society of America national meeting in Detroit. Thomas was the general program chairman for the Military Applications section.

He also presented "Evaluation of an Opportunistic Replacement Policy for Life-Limited Parts" with Ph.D. candidate **KAREN PULLEN**.

JAMES R. TUDOR, professor of electrical engineering, co-chaired the Systems Planning session of the American Power Conference held in Chicago.

KENNETH UNKLESBAY, associate professor of electrical engineering, received a \$28,604 grant for developing a graphics library for the Laboratory Information Management System.

DABIR S. VISWANATH, professor of chemical engineering, presented papers at the International Conference on Thermodynamics of Solutions of Non-Electrolytes in Lisbon, Portugal.

DEPARTMENT OF ENGLISH

THOMAS D. COOKE, professor, received a \$20,000 grant from the National Endowment for the Humanities to conduct a study of medieval English tales, which will include all humorous, religious and animal tales written in Middle English. The study will form part of a collaborative survey of all medieval English writings.

Cooke will spend part of the 1982-83 academic year in Great Britain studying manuscripts at libraries in England, Scotland and Ireland.

He is completing work on a book entitled "The Present State of Scholarship in 14th-Century Literature" which will be published this fall by the University of Missouri Press.

SCHOOL OF FORESTRY, FISHERIES & WILDLIFE

The University of Missouri Student Chapter of The Wildlife Society hosted the 12th Annual Midwest Wildlife Students' Conclave at Lake of the Ozarks State Park in April. About 300 students from 15 different Midwestern universities attended the meeting which focused on "Unique Missouri," emphasizing the state's leadership in natural resource management. Guest speakers, films, field trips and a wildlife art contest comprised most of the weekend.

But the highlight was the annual Wildlife Quiz Bowl which pits four-person teams from each university in a single elimination tournament. Teams are questioned orally on all aspects of fish and wildlife management and must respond quickly and accurately to earn points. This year's champion was the University of Wisconsin-Stevens Point which defeated Purdue University in the final match.

The UMC Forestry Club has contributed \$10,000 to establish a scholarship fund for forestry students. Several students and faculty members in the School presented papers at the Missouri Academy of Science meeting held in April at the School of the Ozarks near Branson, Mo.

RICK PERSHALL, a graduate student in land use planning, presented "Assessing Private Land Uses as Alternatives to Public Strip Mine Reclamation near Columbia, Mo. Pershall is currently employed by the Department of Natural Resources in Jefferson City.

PATRICK ZARRICK, a graduate student in forest recreation, presented "Assessing Latent Demand for Outdoor Recreation on the Mississippi River through Public Interviews."

DENA MEYER, a senior, presented "Recreational Use of the Mississippi River."

All of the articles were co-authored by associate professor **ALAN EVERSON**.

JIM DURHAM, a graduate student in forest economics, **BILL KURTZ**, professor, **GENE GARRETT**, professor, and **MARVIN D. BROWN** of the Department of Conservation, presented "The Silvicultural and Economic Feasibility of Thinning Mixed Stands of Scarlet and Black Oak in South Missouri."

THOMAS S. BASKETT, professor, chaired a session called "Formal Education, Resource Career

Development Relationships" at the North American Wildlife and Natural Resources Conference in Portland. **RICHARD O. ANDERSON**, professor, authored a paper on training expectations for entry-level biologists and managers in state and provincial fish and wildlife agencies. About 1,200 people from the United States, Canada, Mexico and several European countries attended the conference.

Big River Lead Workshop II was held in March on the UMC campus and was co-sponsored by the Missouri Department of Conservation, School of Forestry, Fisheries & Wildlife, Missouri Cooperative Fishery and Wildlife Research Units of the U.S. Fish and Wildlife Service and St. Louis District, U.S. Army Corps of Engineers.

Its purpose was to provide a forum for the interchange of information, ideas and study results regarding lead and sedimentation problems in Big River below the Desloge tailings deposit.

RICHARD ATKINSON, research specialist, and **GARY WHELAN**, graduate student, made presentations on their research. **THOMAS S. BASKETT**, professor, and **JOE DILLARD**, research associate and biologist with the Missouri Department of Conservation, initiated the meeting which Baskett chaired.

DEPARTMENT OF GEOLOGY

A visit to China last fall by nine geologists, including **WALTER D. KELLER**, professor emeritus, was the subject of an article in the May issue of *Geotimes* magazine.

During the three-week trip, Keller lectured in Peking and Nanjing and met with three of his former students who attended UMC in the 1940s.

RAYMOND L. ETHINGTON, professor, recently presented a paper he co-authored entitled "Conodonts from the Everton Dolomite and the St. Peter Sandstone and the Subsurface of Southwestern Indiana" at the North-Central Section of the Geological Society of America meeting.

JAMES L. WHITEFORD-STARK, adjunct assistant professor, recently had a paper entitled "Factors Influencing the Morphology of Volcanic Landforms: An Earth-Moon Comparison" published in *Earth Science Reviews*.

BILL JOHNS, professor, and **JACK SHARP**, associate professor and chairman, were recently among 20 speakers invited to present papers at the American Association of Petroleum Geologists research conference on "The Role of Clay Minerals in Hydrocarbon Exploration."

RAYMOND L. ETHINGTON, professor, was recently elected editor of special publications for the Society of Economic Paleontologists and Mineralogists. The SEPM, a technical division of the American Association of Petroleum Geologists, is headquartered in Tulsa, Okla., and has a world-wide membership of more than 6,000. It publishes the bi-monthly *Journal of Paleontology* and the quarterly *Journal of Sedimentary Petrology*.

GRADUATE SCHOOL AND OFFICE OF RESEARCH
DON H. BLOUNT, graduate dean and vice provost for research, has been elected president of the Midwest Association of Graduate Schools.

SCHOOL OF HEALTH RELATED PROFESSIONS
WARREN A. THOMPSON, professor of health services management and formerly administrative director of the Missouri Institute of Psychiatry, has been accepted for Fellowship in the American College of Hospital Administrators (ACHA).

COLLEGE OF HOME ECONOMICS

GAIL IMIG, professor and associate dean for home economics extension, co-chaired a national workshop for state leaders of home economics and 4-H youth at the National 4-H Center in Maryland. The theme of the conference was "Extension's Blueprint for Families in the '80s."

RICHARD HELMICK, associate professor of housing and interior design, was elected chairman of the art and design section of the American Home Economics Association.

Helmick recently won the Outstanding Print Award in the Galesburg Civic Art Center's Galex 16 National Competition.

RUTH BRENT, assistant professor of housing and interior design, has accepted an appointment to serve on the editorial board of the *Home Economics Research Journal*.

JOHN TYPPO, professor, and **DONNA JEFFREY**, assistant professor of human nutrition, foods and food systems management, published a paper entitled "Crystalline Amino Acid Diet for Determining Amino Acid Requirements of Growing Guinea Pigs" in the June issue of the *Journal of Nutrition*.

Typpo also presented "Total Nitrogen and Essential Amino Acid Nitrogen Requirements in Growing Guinea Pigs" with graduate student **STEPHANIE DEWLEN** at recent professional meetings held in New Orleans.

BEA LITHERLAND, dean, presented a workshop on "Women in Management" at the joint Missouri-Kansas Home Economics convention held in Kansas City last April.

She was also keynote speaker for the third annual ag mixer in Lebanon, Mo., last March.

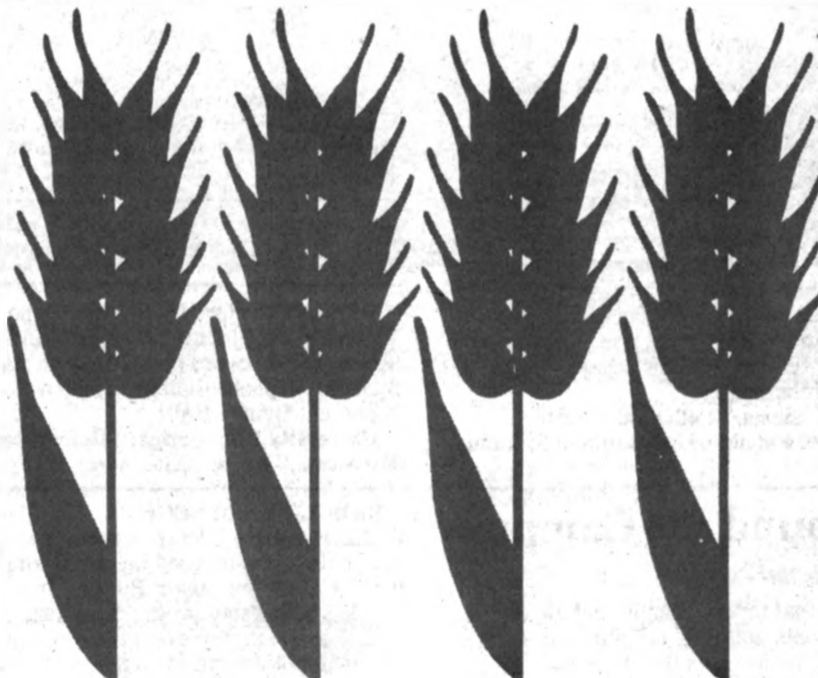
MEL ZELENAK, assistant professor of family economics and management, has been elected to a three-year term on the Board of Directors of the Consumer Federation of America (CFA), a national organization of more than 200 consumer groups.

Zelenak also spoke to the CFA Consumer Assembly in Washington, D.C., on Consumer Education Leadership. Zelenak co-authored the recently published text, *Economics for Consumers*.

ANNA CATHRYN YOST, associate professor of family economics and management, conducted workshops on Boone and Howard counties in March for homemaker aids employed by the Columbia Visiting Nurses Association. The workshops were on promoting greater independence for disabled people.

The Staff for Life

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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.

3 Friday

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

MSA Midnight Movie: "M*A*S*H," midnight, Jesse Aud., Tickets \$1.

Brewer-Rothwell Labor Day Schedule: 6 a.m. to 8 p.m.

4 Saturday

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

UMC vs. Colorado State: Kick-off time 1:30 p.m. Reserved tickets \$10, general admission \$5.50, season tickets \$53.

Brewer-Rothwell Labor Day Schedule: 9 a.m. to 8 p.m.

5 Sunday

Brewer-Rothwell Labor Day Schedule: 9 a.m. to 8 p.m.

MSA Free Film: "Moulin Rouge," 7 and 9:30 p.m., Union Aud.

University Film Series: "Double Suicide," 8 p.m., Ellis Aud.

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

6 Monday

Brewer-Rothwell Labor Day Schedule: Closed.

Labor Day: University offices closed.

7 Tuesday

No events scheduled.

8 Wednesday

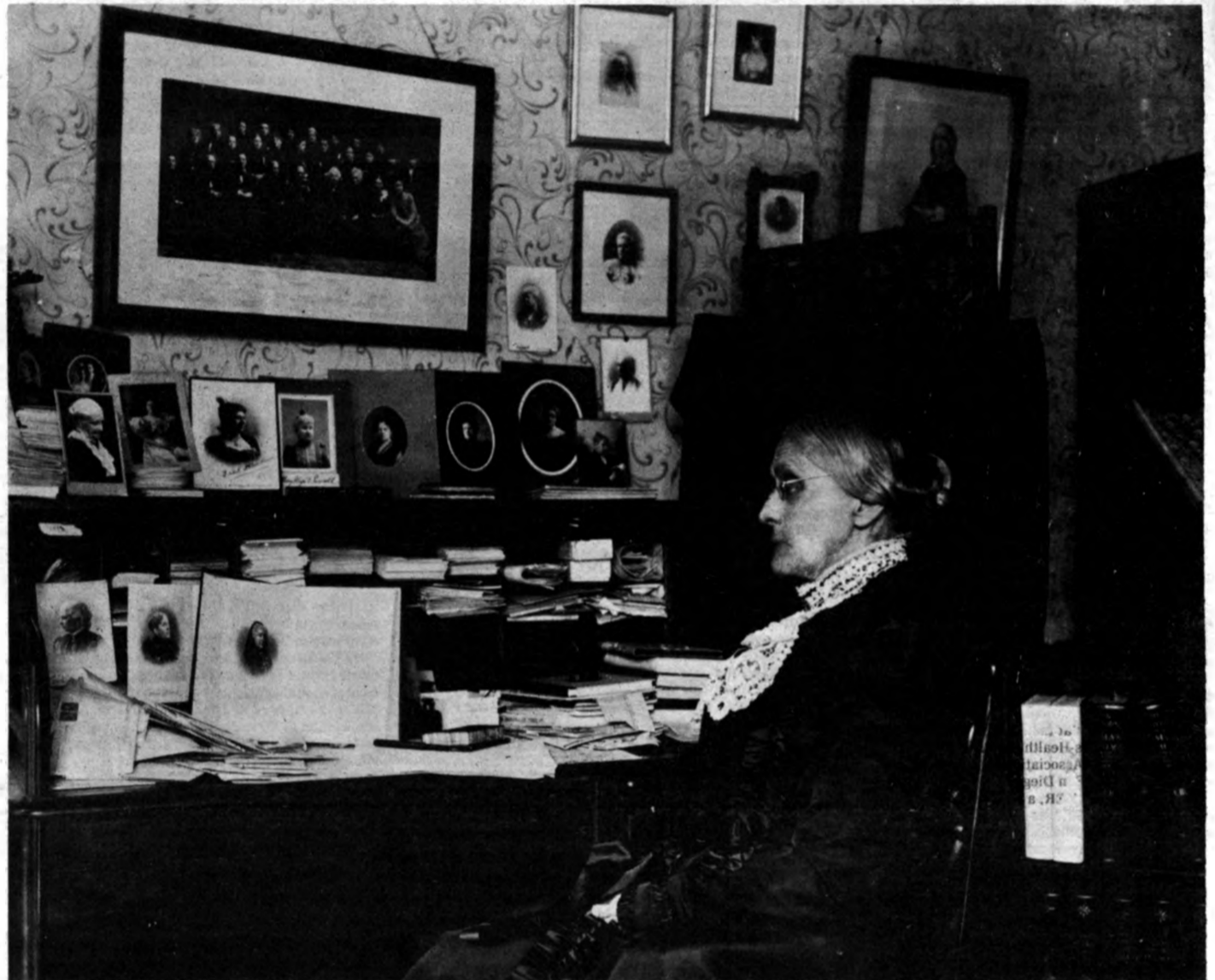
Lunchtime Mini-Tour: "There was a little Persian slave..." an enchanting painting based on Thomas Moore's "Lallah Rookh," 12:25 p.m., lasting no longer than 30 minutes, Museum of Art and Archeology.

O.M. Stewart Colloquium Series: Michael Felcik, of Monsanto in St. Louis,

Around the Campus

(From page 2)

Proposal format should include statements detailing the purpose of the project, its benefits, methods of evaluating these benefits, and proposed budget. The proposals should be forwarded through normal administrative or academic divisional channels, and appropriate divisional heads should rank proposals on the basis of priority, before submitting them to the Office of Equal Opportunity, 217 Jesse.



Frances Benjamin Johnston's portrait of Susan B. Anthony is one of about 75 photographs currently on display at the Columbia Art League. The photographs are part of a traveling Library of Congress exhibit featuring the work of 30 women photographers from the 1890s to the 1980s.

speaking on the "Application of Carbon 13 and Nitrogen 15 solid State NMR," 4 p.m., 120 Physics, coffee in 223A Physics at 3:30 p.m.

Women's Center: "Avoiding Procreation," Jeanne Galliher, coordinator, Reproductive Health Services, noon, basement Gentry Hall.

MSA Free Film: "Taxi Driver," 7 and 9:30 p.m., Jesse Aud.

MSA Free Film: "Rocky Horror Picture Show," 7 and 9:30 p.m., Lowry Mall.

9 Thursday

Women's Center: "Overview of the Women's Movement," Jeannine Lindstrom Elliott, coordinator, Women's Studies, Stephens College, noon, basement Gentry Hall.

University Film Series: "Remember My Name," 8 p.m., Ellis Aud.

RADCLIFF COLLEGE FELLOWSHIP—UMC has been invited to nominate a non-tenured faculty woman for The Mary Ingraham Bunting Institute's fellowship program for 1983 to 1985. Recipients receive a two-year Institute appointment, including a stipend of \$16,000, research expenses of \$3,200 and travel allowances up to \$1,300 to travel between the fellow's home and Cambridge.

Each fellow will spend half her time teaching at her own institution and the other half at the Bunting Institute. Applicants may be nominated by their

10 Friday

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

MSA Midnight Movie: "No Nukes," Jesse Aud., \$1.

11 Saturday

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

MSA Midnight Movie: "No Nukes," Jesse Aud., \$1.

UMC vs. Army: Kickoff time 1:30 p.m. General admission \$5.50, reserved \$10.

12 Sunday

MSA Free Film: "Anchors Aweigh," 7

university or apply directly to the Bunting Institute. Nomination forms and a letter of recommendation are due Sept. 2, 1982, and individual applications are due by Oct. 8, 1982. Announcement of fellowship winners will be made in May 1983.

The program is open to female scientists who have received their doctorates in the fields of the physical sciences, mathematical or informational sciences, psychological sciences, arctic and earth sciences, natural sciences and ocean science and technology.

and 9:30 p.m., Union Aud.

University Film Series: "The Music Lovers," 8 p.m., Ellis Aud.

Drop-in Tours: Museum of Art and Archeology, general guided tours, 2 p.m. Family Swim: Natatorium, 2-4 p.m.

Exhibits

"Women Look at Women," a Library of Congress traveling exhibit, at the Columbia Art League from 10 a.m. to 3 p.m. daily until Sept. 22.

Works by Robert Weaver, at the Fine Arts Gallery, from 9 a.m. to 3 p.m. Monday through Friday and 2 to 4 p.m. Sunday, through Sept. 10. Weaver, who grew up on a family farm in Missouri, produces paintings, prints and drawings dealing with images from his rural experiences and his American Indian lineage.

Recipients will also be provided with office space, auditing privileges and access to facilities at Radcliff College and Harvard University. Fellows must give a colloquium on their work in progress each year. For more information, call the assistant provost at 882-2094.

FULTON CARPOOL—Any University employee driving from Fulton who would like a passenger and help in gasoline expenses may contact Barbara Digh at 882-4246. Digh works 8 a.m. to 5 p.m. or 7:30 a.m. to 4:30 p.m. Monday through Friday.

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