

# MIZZOU

W E E K L Y

University of Missouri / Columbia / April 26, 1988

## ON THE INSIDE:

Page 2 Parking and transportation committee delays fee hike vote.

Page 4 Two young Mizzou scientists reap National Science Foundation grant.

Page 6 Advocates of equality are honored for their efforts on the behalf of women, minorities and people with disabilities.

## Reaching for the top

*Monroe: Proposed salary increase for faculty, staff vital to Mizzou's future.*

A proposed \$8 million increase in salaries for faculty and staff is only one step toward the realization of Chancellor Haskell Monroe's ultimate vision: seeing Mizzou reach the top tier of American public universities by the beginning of the 21st century.

"You guide our students, make new discoveries and expand the borders of our knowledge," Monroe told a general faculty meeting April 18 in Memorial Union. "We must reward your hard efforts — every diligent person on this campus is underpaid."

Monroe listed four goals that must be met for Mizzou to achieve a top-tier ranking, based on excellence in teaching, research and service:

- assure the quality of undergraduate education
- enhance graduate and professional education and encourage interdisciplinary activities throughout the campus
- seek an expanded resource base for high achievement by increasing public and private support
- communicate to Missourians and others the University's role as the state's largest, most comprehensive public research institution — a school respected throughout the nation and world.

"When someone in Missouri refers to 'the University,' I want no doubt as to which institution they are referring,"

Monroe says. "No one can do all of this alone. There are some 30,000 students, faculty and staff here working together toward one purpose — to produce graduates who are capable. We've done quite well. But we can do better."

The chancellor has submitted a plan for an \$8 million increase in faculty and staff salaries for the 1989-90 school year. "At the same time, we recognize that we must increase public and private support," he adds. "And the University has not enjoyed as strong a reputation as we need in Jefferson City."

The financial rewards are one of eight specific steps for next year necessary to help achieve his four goals, Monroe says. The others are:

- increased opportunity for faculty and staff development. "Research and development leaves are important to keep you as sharp as possible in your field," Monroe says, adding that the new vice provost for Minority Affairs and Faculty Development, who will be hired soon, will help spur this effort.
- improving facilities and equipment. Some classrooms and labs have fallen below par, Monroe says. Budget requests will include allocations for specific year-to-year plans designed to bring facilities up to standard.
- improvements at Ellis Library. Part of the \$1.8 million budget request for the library would fund completion of the on-line catalogue.
- improved research funding. Monroe notes that research funding increased by 89 percent between 1982 and 1987. Mizzou is one of only two Big Eight schools to achieve a Carnegie ranking as a Class I research university. "The good

news is that we are in category I," Monroe says. "The bad news is that we rank lower in that category than we want to be."

• improved student computing. Within the next year the University will invest \$400,000 for an additional 100 computers for undergraduate teaching and student use. The 1988-89 budget request includes \$1 million for enhanced computing equipment and facilities for research and other uses.

• high-quality students. Enrollment of freshmen, transfer and graduate students is up measurably, and Monroe says the 1988-89 freshman class will be "larger and better." He credits tougher admission requirements and more scholarships for the improvement. "We want to recruit the students who can come here and succeed," he says. "This is not elitist; it is common sense."

• expanding the Honors College. The college cannot serve all the students who want or deserve to enroll there, and more money is needed to enlarge the school. "The recruitment and retention of bright students is something we all must be involved in if we want to become better and better," Monroe says.

• improving the campus environment for blacks and other minorities. A new program for high-ability minority students will begin this summer and will expand on already existing summer minority programs. "We've got to do more," Monroe says. "Everyone must use their daily contacts to make sure no one gets lost or lonely."

Monroe says a major goal is to demonstrate to the General Assembly and to the public that education is a fine investment for the state. The Sesquicentennial Celebration can give Missourians the opportunity to reflect on the legacy they will leave behind, he says, adding: "I hope people will look back on the 1980s and say that this was a time when progress was made."

## A true labor of love

*Illustrated history written by former UM President Olson and wife chronicles University since 1839.*

A history said to elicit fond memories while painting an authentic picture of the University should be available from the University of Missouri Press by October. The book, "The University of Missouri: An Illustrated History," written by former UM President James Olson and his wife, Vera, covers the University from its founding in 1839 through 1987.

The 336-page book includes 500 black-and-white photos gathered from the archives of the four campuses, historical societies and private individuals. "We selected more photos than we could ever possibly use," says James Olson. "We agonized over

which ones to use. We would tell the publishers, 'This photo has to go in,' and they would say, 'What shall we take out?'"

Photos and lithographs are used to tell much of the story. "It's not a dry institutional history," says Karen Caplinger, marketing manager for the University of Missouri Press. "Everybody who's ever gone to school on any of the campuses should be able to get something out of the text." Caplinger says alumni can thumb through and find photos of administrators and faculty, and perhaps the familiar faces of some former classmates.

The research and writing of the history took about 1 1/2 years. "We had to make some decisions. There are probably not as many people as we would have liked to include," James Olson says.

The Columbia campus, covered in the first five chapters, dominates the book because it has the longest history, says Vera Olson. Three chapters are devoted to the Rolla campus, and two to UM-Kansas City. The St. Louis campus and the University as a statewide institution each are covered in one chapter.

Vera Olson started work on the history while her husband worked full time on the Civic Council in Kansas City. This is not their first cooperative effort. They have written two histories of Nebraska: "Nebraska is My Home" for grade-school readers, and "Nebraska Story," a junior-high level book.

Working together is one of their joys. "Our life has been a cooperative one and I think it's wonderful," says Vera Olson.

The list price for "The University of Missouri: An Illustrated History," is \$29.95. Faculty, staff, students and alumni who are interested in purchasing the history can receive the book at discounted pre-publication prices. For information, call Caplinger at 882-7641.

Vera and James Olson



Jeff Adams photo

**MIZZOU PROGRAM BOOSTS BUSINESS**

Kraft Inc. saw a \$500,000 savings; the Missouri Institute for Executive Development got the credit.

Kraft managers who had participated in the institute, part of the professional development arm of the College of Business and Public Administration, helped the company earn the windfall by recommending a change in milk procurement.

The institute offers customized training to businesses such as Kraft. "We spent a great deal of time interviewing Kraft's managers and finding out what their exact needs were," says institute director Ronald King.

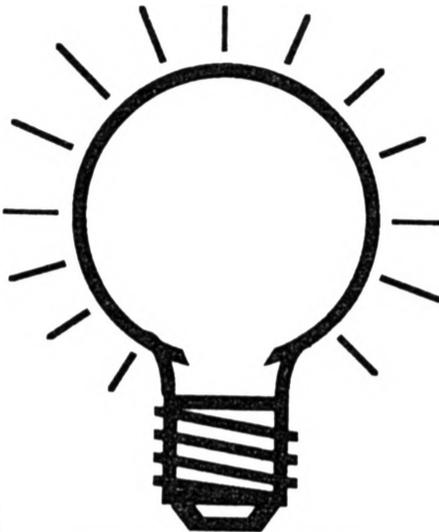
The institute has developed in-house programs for companies such as 3M, Forrest T. Jones Insurance Inc., Mobay Chemical and Union Electric. Public programs also are offered each year on topics such as supervision, planning, quality control and time management.

**CAMPUS UPGRADE IDEAS SOUGHT**

The student fee capital improvements committee wants students, faculty and staff to help come up with ideas to improve the campus.

Past projects include flooring for Brewer Fieldhouse and lighting for Jesse Hall. The projects are funded by student fees.

Proposals, due by 5 p.m. May 6, should be submitted to David Schnieder, A022 Brady Commons, 875-2802. Include your name, campus address and phone, cost estimates, contact people and an explanation of how your proposal will benefit Mizzou.



**UNIVERSITY CAN IMPROVE LIFE**

Universities can help solve national socio-economic problems by using their specialized talents and resources, UM President C. Peter Magrath told extension leaders attending a national conference in Washington.

The conference, "The Family and Economic Well Being National Initiatives Workshop," was held March 3 through 5 at the Sheraton Washington Hotel.

Magrath said universities can help link federal, state, county and local government programs for families needing social and economic assistance.

**Fee hike waylaid**

A motion to increase monthly parking rates to \$12 was tabled at the April 21 parking and transportation committee meeting. The group expects to make a recommendation to increase or retain the current \$10.50 fee at its last meeting of the semester, to be scheduled in May.

Some committee members asked that additional cost information be provided, detailing, among other things, how much money will be needed to implement certain aspects of the master plan. Elias Saab, associate professor of mathematics, and David Guell, associate professor of civil engineering, also stressed that faculty and graduate student groups have gone on record to oppose increasing fees and the closing of any more surface lots. (See Faculty Council story on Page 3.)

Saab also asked that student representatives be present before a vote on an increase is made. The undergraduate student on the committee no longer is in school. The graduate student may no longer be eligible to serve as she is not a full-time student. The appropriate student groups have not named replacements. By the next meeting, the committee will try to have alternates for the two students.

Jim Joy, an ex-officio committee member and director of Parking and Transporta-

tion Services, stressed that his office must prepare to deal with the effects of campus construction. Additions to the Engineering Complex and the Agriculture Building will replace some surface lots, as will the Donald W. Reynolds Alumni Center.

"My office's responsibility is to accommodate displaced people from those surface lots and to provide for the needs of those areas," he said. Joy and some members of the committee favor a gradual parking fee increase to accommodate eventual construction, rather than waiting until the funds are needed to impose a large one-time increase.

Joy disputes Saab's figures, which indicate that increasing fees by a few dollars would not fund the construction of additional parking garages. "I won't argue arithmetic with a professor of mathematics," Joy said. But currently, "we're making a \$700,000 payment on a \$3.50 increase. That doesn't compute mathematically." In addition to the permit increase, the campus is paying off the parking garage's bond fee with other revenue, including rental of maintenance shop space inside the structures to Campus Facilities.

In other business, the committee approved a supplement to the parking rules and regulations. The addition will govern the Health Sciences Center parking lots, which have requirements unique to that area. The group also discussed upcoming meetings for businesses interested in bidding for the University's towing contract. This year the University will detail specific requirements for the towing contract, including expected hours of operation and definitions of services.

**Supporting faculty**

*Faculty development grants give life to wide variety of projects looking for funding sources.*

Richard Hardy feels he owes a special thank-you to the Mizzou Alumni Association. So, apparently, do a number of other faculty members on campus.

Hardy, an associate professor of political science, conducted a mock presidential election in February. More than 1,600 political science students campaigned for candidates, held primary elections, set up conventions and took part in a general election. The money for all this came from a \$1,000 Mizzou Alumni Fund for Faculty Development grant, one of 26 such grants totaling

\$20,000.

"We couldn't have done it without the grant," Hardy says. "There were a lot of costs — things like poster board for signs, election supplies and long-distance phone calls to national headquarters of the political parties. The field was made up of 13 candidates at the time, and it was competitive and exciting. A number of students who participated went on to take part in the actual campaigns."

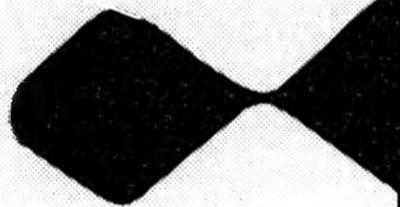
Provost Lois DeFleur says the mock election was one of a number of projects "that had great potential but lacked funds before the alumni grants came along.

"The alumni grants helped tremendously," she adds. "They have been a big boost to our faculty. A lot of the money which in years past may have gone for research is now being used to improve general working conditions. So we're really happy to receive these funds."

The projects funded with the money are diverse, ranging from computer-generated graphic art to reducing the incidence of disease in cattle, from developing a writing course on slavery to studying consumer attitudes toward Missouri produce. "The thing they have in common is that they're all worthwhile," DeFleur says.

**PARKING AND TRANSPORTATION SERVICES**

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## PATIENTS: JUST DIAL 882-7000

A new information line at the University Hospital and Clinics allows patients to use a central number to access University Physicians services.

Patients can set up appointments, get information about available services or request literature on University Physicians services by dialing 882-7000.

The line is staffed from 8 a.m. to 5 p.m. Monday through Friday.



## FILM FESTIVAL SHOWCASES TALENT

A screening of Mizzou's first original soap opera, "Horizon Hall," will highlight the eighth annual Radio-Television-Film Festival at 7:30 p.m. April 28 in the Memorial Union Auditorium.

The festival will showcase the best student productions, including feature films, commercials, MTV-like music visualizations, features and public service announcements.

The event is sponsored by the Department of Communication. The department will honor award winners at a reception and news conference immediately after the showings.

## RECREATIONAL SUMMER HOURS

Brewer Fieldhouse will be closed for renovation from May 1 to Aug. 25. The Rothwell Gymnasium and the Natatorium will be closed May 29 and 30 for the Memorial Day holiday.

From May 7 through June 13, Rothwell will be open from 6 a.m. to 8 p.m. Monday through Friday and noon to 8 p.m. Saturday and Sunday. During the same period, the Natatorium will be open from noon to 2 p.m. Monday through Friday and 2 to 4 p.m. Saturday and Sunday.

## BATTLING SEXISM

What's in a word? A lot. Especially if it's the wrong one. In 1988, referring to women past the age of 15 as "girls" may get you in trouble.

Mary Gray, extension child and family development specialist at Mizzou, says we begin to refer to male teen-agers as young men, but many people continue to call women "girls," even into their middle ages. "It's a way of keeping women in a second-class-citizen status," Gray says.

Our language can reinforce and promote stereotyping, she adds. "How we use our language affects how we think."

## Council balks at fee plans

A proposed parking fee increase and staff user fees for the Brewer-Rothwell facility dominated the discussion at the April 21 Faculty Council meeting.

Jim Joy, director of Parking and Transportation Services, spoke to the council about discussions to increase the monthly parking fee from \$10.50 to \$12. Joy says misinformation has been circulated about future parking costs.

"I don't know exactly what your concern is," he told the group. "But if it is that fees will be raised to \$60 a month for a parking space, it's not coming from our office. That may be what it costs to build the space, but that's not what the employee pays."

Doug Emery, associate professor of finance, said employees should not have to pay to park. "If we want to generate dollars, why don't we pay for our offices? I find it the same. It's not our responsibility to pay for this." Other faculty said employees should be contacted before capital improvements are implemented that must be funded by employees.

The council heard a report from Loretta Hoover, co-chairwoman of the campus recreation committee. Hoover said the committee was not given the option to decide whether there would be a fee structure for Brewer-Rothwell.

The committee proposed a \$20 fee for faculty, staff and their spouses for the fall and winter semesters and \$10 for the sum-

mer semester. No charge is recommended for minor dependents.

The committee included its reservations about any staff user fee in the recommendation. "Many committee members think that requiring faculty and staff to pay a fee to use recreational facilities is an unwise administrative action at this time, when significant improvement in faculty and staff salaries to levels comparable with peer institutions is not anticipated," the recommendation read.

The council discussed a resolution requesting that no staff user fees be implemented and is expected to act on that resolution at the May 5 meeting.

In other action, the council:

- approved a joint faculty and staff task force that will study employee benefits. The task force will identify weaknesses in the University's plans and recommend proposals and strategies to improve them.

- heard a resolution that would allow students' grades to be appealed to the level of dean and provide the opportunity to petition a hearing with the provost and chancellor. That resolution will be forwarded to the graduate and undergraduate governing bodies for their input.

- discussed a resolution that would allow students who declare academic bankruptcy to maintain financial aid eligibility.

- discussed possible changes in admissions standards. Peter Markie, associate professor of philosophy and chairman of the student affairs committee, questioned whether faculty have the final authority in setting admission standards. Council consensus is that faculty have that authority and that the council should continue to research possible admission standard increases.

### workplace?

A. As discussed in the April 11 and 12 open hearings, the task force plans before the end of this semester to forward its final recommendation to Kee Groshong, interim vice chancellor for Administrative Services. "If the policy is approved, the final implementation date will depend on a number of factors, such as designation of smoking areas," says Jackie Jones, chairwoman of the smoking policy task force and associate director of Business Services. "Those factors make a definitive date at this time difficult to estimate."

Q. Why is lot RC18 only 80 percent assigned but 125 percent filled? It is so full that the entrances are blocked and you can hardly get in or out. People park in the middle of the lot, and it gets so tight that you nearly scrape the sides of your car and the two cars you drive between. If RC18 is only 80 percent assigned, why does each car have a parking permit?

A. RC18, the Heinkel Building parking lot, was 80 percent assigned until Campus Computing moved its operations to the Heinkel Building. The lot is now fully assigned, says Jim Joy, director of Parking and Transportation Services. Joy says the lot should not get so crowded that you have difficulty navigating it. "RC20, near the Islamic Center, is assigned for overflow from RC18," he says.

## Coordinator search begins

The search began April 20 for the coordinator of Mizzou's Black Culture Center. The post has been vacant since December, when Willie Robinson left campus to become assistant dean for student development and minority affairs at the University of Florida in Gainesville.

Some 21 applications have been received, says John Jones, chairman of the search committee and director of the Academic Assistance Program. The search committee will choose finalists and invite those candidates to campus. Jones expects the new coordinator to be named by this summer.

"The Black Culture Center serves so many functions," says Paulette Grimes, assistant director of Student Development

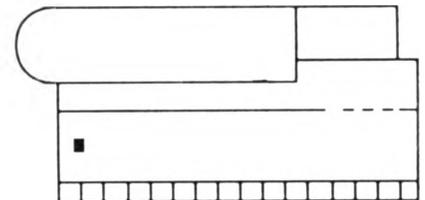
and coordinator of minority and special student programs. "It is a place where black students can go that represents their cultural and social identity. The center offers programs that help black students feel more a part of campus."

Grimes credits Robinson for revitalizing the center. Since his departure, students and staff have kept the center open.

Members of the search committee are Roxanne Battle, a graduate student and coordinator of the Black Alumni Organization; Brad Jacobson, student services adviser with Student Development; Jones; Marvin Lewis, director of the Black Studies Program; Beulah Ralph, a community member; Mildred Robertson, an information specialist with Publications and Alumni Communication; Amos Smith, a senior education major; and Michael Woodard, assistant professor of sociology and assistant dean for minority affairs in the Graduate School.

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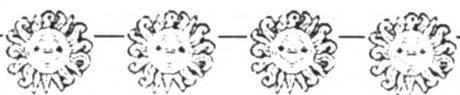
Contact the Demo Room, 22 Heinkel Building, 882-9400, for more information.

## Q&A

Q. When will something be done to the outside of the Poultry Building? It is the first thing seen when you turn on College from 740 so the first impression of Mizzou is not too good.

A. "T-14, a temporary building located at the corner of Porter Street and College Avenue, has not been painted previously because of uncertainty regarding its future use," says Phil Shocklee, assistant director of Campus Facilities. "It has now been determined that the building will remain in use in the near future and will be painted with work beginning in May."

Q. Since it has taken more than a year to develop the draft smoking policy, will it be another year to study it, another year to revise it and another to start implementing the policy? What is the approximate projected timetable for implementation? Is there a realistic hope of relief prior to the year 2000 for those forced to endure carcinogenic [as proved in countless studies] air pollution in the



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**MIZZOU**  
WEEKLY

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Karen Cone, left, and Kathleen Newton are gaining recognition for their research in plant genetics.

## Faculty harvest national grant

*Two Mizzou scientists are only Missourians to receive 1988-93 National Science Foundation award.*

What do you do after receiving a prestigious National Science Foundation award? "Live up to it," says Karen Cone. Cone and Kathleen Newton, assistant professors of biological science, have been named Presidential Young Investigators for 1988 to 1993.

The National Science Foundation Award is presented to scientists under the age of 40 who demonstrate potential for significant research accomplishments. This year Mizzou is the only university in the state, public or private, to have a faculty member named a Presidential Young Investigator. The NSF award automatically gives the researchers \$25,000 and then matches private industry funds up to \$100,000 for five years. The costs of running a laboratory for one year average around \$100,000.

Newton and Cone will use the money to continue their research in plant genetics. Both scientists work with corn to study genetics and gene regulation — how genes work together to produce a healthy corn

plant. Corn is their choice because it is economically an important plant and much work already has been done on the plant's genetics. "We can take advantage of the knowledge that has gone before," Cone says.

Their research could have profound implications. "It eventually could contribute to a global understanding of how all genes are regulated," Cone says.

In her Tucker Hall laboratory, Newton studies corn's mitochondria, which supply chemical energy for cellular functions. The genes present in mitochondria are essential for normal plant growth and development. Newton studies mutants of corn that exhibit abnormal growth characteristics in order to understand the role certain mitochondrial genes play in plant development. Her research will increase the understanding of the role certain genes play in plant growth and development.

Newton received her doctorate in plant genetics in 1980 from Indiana University. She was a research associate at Stanford University before joining the faculty at Mizzou in 1984.

Using corn as a model plant system, Cone is focusing on the genes that regulate the formation of purple pigments in the kernels and other plant parts of Indian corn. "These pigments are interesting because they are made at a specific time in the development of the corn plant and in specific organs of the plant," Cone says. "We already know that there are a number of genes involved in the

biosynthesis, but we don't yet understand how these genes interact to produce purple pigment."

Cone recently completed a three-year effort to isolate two of the regulatory genes with the aim of understanding how gene expression is controlled at the molecular level. She earned her doctorate in biochemistry and genetics in 1984 from Duke University and did postdoctoral work at Brookhaven National Laboratory in Long Island, N.Y., before coming to Columbia this month.

"Missouri is a good place to do corn genetics," Cone says. "There's also a strong program in molecular biology." The University's Food for the 21st Century program adds to that strength. Money from the eminence project funded the hiring of Cone and other highly recruited scientists.

"Having two plant scientists at the same university receive these awards tells us how our program is thought of nationally," Newton says. There were 1,806 researchers eligible for the award. Winners represent 59 academic institutions in 26 states. Only two other schools in the Big Eight, Colorado University and Iowa State University, received Young Investigator Awards.

Past Mizzou recipients of the award are Mark Prelas, associate professor of nuclear engineering, and Eric Sandgren, who left the College of Engineering this year to accept a position at Purdue University. Both received the award in 1984.

## EXHIBITS

**FINE ARTS GALLERY:** A traveling exhibit of the 1987 Association of American Universities Presses book-show will be on display through April 29. Hours are 10 a.m.-4 p.m. weekdays and 2-4 p.m. Sundays.

**FINE ARTS GALLERY:** "Public Figures — Private Moments," a collection of photos by Carole Patterson, will be on display through April 29. Hours are 10 a.m.-4 p.m. weekdays and 2-4 p.m. Sundays.

**ART FOR LIFE:** A collection of art by several members of the Art for Life Board will be on display through April 30 in the main lobby concourse of University Hospital.

**MUSEUM OF ART AND ARCHAEOLOGY:** "Illuminated Manuscripts and Early Printing" will be on display through May 8. Hours are 8 a.m.-5 p.m. Tuesday through Friday and noon-5 p.m. weekends.

**BRADY COMMONS GALLERY:** Sculptures and drawings by Filani Tolulope will be on display through May 5. Hours are 11 a.m.-5 p.m. weekdays.

**FINE ARTS GALLERY:** Works by promising youth artists will be on display

May 1-13. Hours are 10 a.m.-4 p.m. weekdays and 2-4 p.m. Sundays.

**JESSE AUD. DISPLAY CASES:** "Best of Missouri Hands" will be on display May 1 through 31 in the display cases outside Jesse Aud.

**ART FOR LIFE:** "Public Figures — Private Moments," a collection of photographs by Carole Patterson, will be on display May 1 through July 1 in the main concourse of the University Hospital.

**MISSOURI CULTURAL HERITAGE CENTER:** "Fifty Years of Bathing Suits" will be on display through July 18 in the gallery, located on the second floor of the Conley House, Sanford Street and Conley Avenue. Hours are 8 a.m.-5 p.m. weekdays.

# The epilepsy dilemma

*Seizure disorder specialist says social stigma puts additional burden on patients.*

Misunderstandings complicate treatment for people with epilepsy and other seizure disorders.

"Unfortunately, the social stigma of having a seizure is quite strong, so patients must overcome a wide variety of attitudes and fears as well as their illness," says Pradeep Sahota, assistant professor of neurology at the School of Medicine.

As an epileptologist, Sahota is specially trained to diagnose and treat seizure disorders. He directs University Hospital's epilepsy clinic, where physicians assess what type of seizure a patient is having and what may be causing it.

"Throughout history, epilepsy has been misunderstood, and these misunderstandings have put undue pressure on epileptic patients," Sahota says. He explains that public knowledge of seizure disorders is limited, and, in fact, seizures are more common than most people realize.

More than 1.5 million people have epilepsy in the United States, and more than 100,000 new cases are reported each year. While the term epilepsy refers to recurring seizures, many other people may have a few isolated seizures during their lives.

People are often afraid when an epileptic has a seizure, Sahota says. Seizures can cause uncontrollable spasms and body movements ranging from hardly noticeable to violent. "Friends and co-workers may not know what to do during an attack and may act differently around that person after it is over," he says.

Seizures do not indicate a psychological problem. They usually are symptoms of an injury to the brain or a problem in the body's chemical system which affects the brain. Sahota says seizures are the result of abnormal electrical brain activity. Examples of what may cause this activity include a stroke, a brain tumor or problems in metabolism, such as low or high blood sugar.

The main physical danger during a seizure is the harm epileptics may cause to themselves. Sahota says using force to try to stop a seizure can be dangerous. The best advice is to comfort the person and try to protect him or her from injury or obstruction of breathing.

Often overlooked is the damage a seizure brings to a person's self-esteem and confidence. Sahota says recurring seizures cause fear in epileptics, as well as those around them, and may change their lifestyles dramatically.

For this reason, Sahota says it is important for more people to understand epilepsy and learn how to interact with someone who has it. He says the latest technology allows doctors to monitor and diagnose seizures; but while medical treatments will control many seizures, patients and their families need additional help to deal with the fears, lifestyle changes and misunderstandings of others.

# FORUM

## Task force solicits help

By Kerby Miller

Few issues facing the University faculty are more problematic and controversial than that of assessment. Although few colleagues oppose the traditional assessment procedures inherent in the normal execution of our teaching and research tasks, the formal assessment plan recently mandated by Gov. John Ashcroft and the Board of Curators has generated widespread faculty uncertainty and apprehension as to its motives, objectives and implications.

Although some colleagues hope that new modes of assessment will promote institutional excellence, many others fear that the University is being forced to adopt policies which are educationally unsound, ethically dubious and economically disadvantageous. Nearly all lament that, at least until recently, faculty involvement in this issue has been minimal.

On Dec. 9, 1987, the general faculty meeting endorsed a resolution (previously

adopted by the faculty of the College of Arts and Science) which stated that "Implementation of a policy of assessment at the University of Missouri-Columbia beyond the trial period of 1987-88 requires thorough public discussion among and formal approval by the general faculty of this University." To implement this resolution, the Faculty Council has created a faculty task force on assessment, which is currently composed of eight members who were nominated by their respective divisions (some divisions failed to nominate).

The task force is charged to prepare a report on assessment at the University which will be presented for faculty consideration in early fall. Then it will be the faculty's responsibility to respond to the report and help determine or shape the future of assessment on this campus.

To date, the faculty task force has met three times. These initial organizational meetings have demonstrated that all members share deep, critical concerns about the nature, context and implications of assessment at this University. The first and foremost responsibility of the task force is to evaluate the current pilot year assessment programs: specifically, the general education test and the departmental assessment policies.

However, we also feel strongly that our report to the faculty should be based on a comprehensive examination and analysis of all aspects of assessment. We must address

not only issues concerning standardized testing and major field proficiency evaluation, but also the broad educational, financial, political, legal and ethical implications of assessment in its various local, statewide and national contexts.

Because of the importance of our responsibilities and the breadth of our concerns, the faculty task force on assessment will need considerable assistance from members of the faculty if we are to carry out our mandate successfully. Although we propose to divide the task force into several subcommittees to address these issues, without such faculty assistance it is difficult to see how far we can proceed with our investigations.

Consequently, we strongly urge all faculty who are concerned with assessment at the University to volunteer their services and join in the work of the task force during the next few months. Very shortly, we will be sending letters to all University faculty, asking for volunteers and providing more information about the task force's plans and goals. We hope that a favorable response will enable us to carry out successfully the faculty's expressed will with regard to this crucial and controversial policy.

Kerby Miller is an associate professor of history and the chairman of the faculty task force on assessment.

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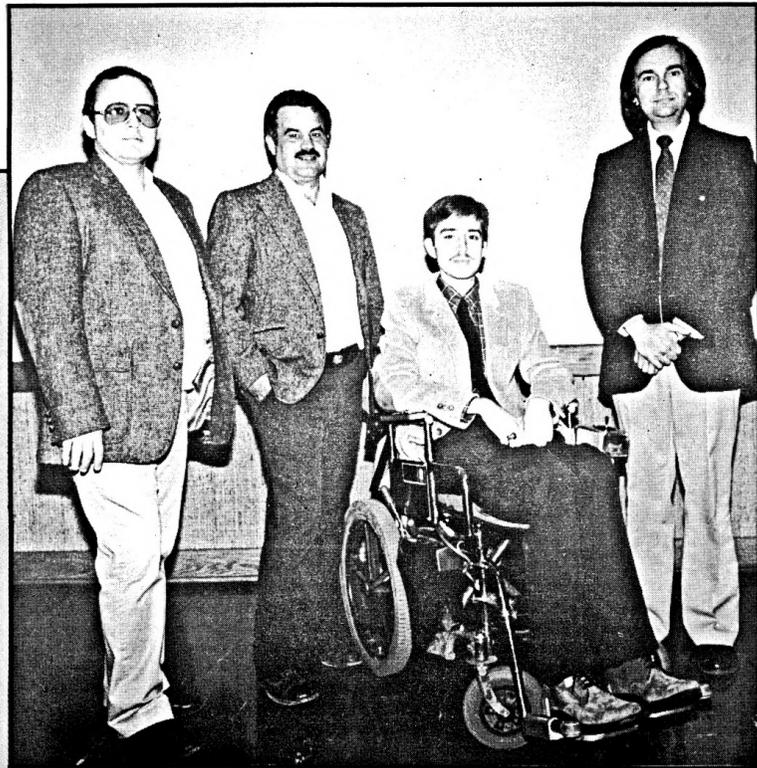
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Jeff Adams photos



1988 Equal Opportunity Award winners are, far left, from left: Drew Love, Campus Writing Program; Jim Joy, director of Parking and Transportation Services; Noel Hess, president of Barrier-Free; and David Trinklein, associate professor of horticulture. Center, from left: Luci Lee, graduate student; Provost Lois DeFleur; Kitty Dickerson, professor of textiles and apparel management; and Diane Oerly, director of Institutional Research and Planning. Above, from left: Yvonne Matthews, graduate student; Trisha Gamsky, assistant director of Memorial Union/Brady Commons, representing Director A.K. Rahman; Milton Glick, Arts and Science dean; Edith Mitchell, assistant professor of medicine; and Hugh Stephenson, interim dean of medicine.

# Advocating equality

*Awards cite programs and individuals for sensitivity toward issues that affect entire University.*

It was by accident that Max Cleland became a convert to the cause of equal opportunity for people with disabilities. Cleland, Georgia's secretary of state, lost both legs and an arm in 1968 in a grenade explosion in Vietnam. "I faced a world I did not know," said the guest speaker at the fourth annual Equal Opportunity Recognition Awards Ceremony April 15 in Memorial Union. "I always had been in synch before the accident. I did not think of concerns facing disabled or minority people."

In the years since the accident, Cleland has strived to find the doors of opportunity and to produce success. His accomplishments include winning a seat in the Georgia Senate, serving as head of the U.S. Veterans Administration during the Carter presidency, writing a book, *Strong at the Broken Places*, and capturing the secretary of state job.

"I believe in affirmative action and equality," he said. "I believe we should provide an open door for people and search for those who have been excluded. But I also

believe that those groups should work hard at producing once they are through that door of opportunity."

Preparation, faith and courage are the keys to success, he said. "It's not whether you're broken, but if you're able to become strong at the broken places. We're all disabled; it's just a matter of degree. We all bleed when we are cut."

During the ceremony, 12 faculty, staff, students and programs were honored for providing opportunities for women, minorities and people with disabilities. "They have extended and opened opportunities for growth," said Alton Zanders, director of the Office of Equal Opportunity. "They demonstrate what selfless giving is all about."

The committee for persons with disabilities singled out those who have made efforts on behalf of disabled students, faculty and staff.

David Trinklein, an associate professor of horticulture, won the faculty award for his advocacy of horticultural therapy, which encourages disabled people to work with plants. "When you introduce plants into the lives of people, something unique happens, especially for those in special populations," Trinklein said. "Plants improve the quality of life. The simplest task, such as working with plants, might give someone an added reason to keep going."

For his sensitivity and common sense in providing accessible parking, Jim Joy, director of Parking and Transportation Serv-

ices, received the staff award. "His office cares and is aware of the needs of a broad population," said Steven Lamphear, a faculty member on the committee and an associate professor of recreation and tourism.

The Learning Center picked up the program award for its services that benefit all students, particularly the disabled. "The center provides computers that disabled students can use, and the staff is sensitive to their needs," Lamphear said.

The first disabled student to graduate with a degree in broadcast journalism won the committee's student award. Noel Hess is president of Barrier-Free, a campus group that advocates the needs of disabled people and strives to sensitize the campus to their concerns. "We can get on with our lives because places like this University make it possible for us to do so," Hess said.

The status of women committee praised the accomplishments of those who work to improve campus conditions for women.

As 1987 chairwoman of the committee, faculty recipient Kitty Dickerson spearheaded a study that pointed out salary disparities between male and female faculty. The study prompted the Provost's Office to establish an equity fund for female faculty. In accepting the award, Dickerson, a professor of textiles and apparel management, said she aspires to the day when "there is no need for a status of women committee."

The committee presented the staff award

to Diane Oerly, director of Institutional Research and Planning. She empowered the committee's salary study with her ability to analyze and interpret the data. The program award went to the Provost's Office for its role in the success of the salary study, financial and philosophical support of the committee's 1987 sexual harassment brochure and for its continued enhancement of the status of women at Mizzou. "It's part of our job to enhance social diversity on campus," said Provost Lois DeFleur. "It seems ironic to be honored for doing your job, yet we appreciate it."

Luci Lee, a graduate student in the Psychology Department, received the student award. Lee, whose research centers on sexual harassment, leads workshops on the subject. She helped to draft the committee's sexual harassment brochure. As a member of the College of Arts and Science's status of women committee, she contributed to the college's statement of ethics. "She continually works with her students to help them examine their perceptions of others," said Laura Hacquard, director of the Women's Center and an ex-officio committee member.

The minority affairs committee presented its faculty award to Arts and Science Dean Milton Glick. He was nominated by Arts and Science faculty in recognition of his efforts to upgrade the status of women and minorities. "He reacted to issues and not to incidents," said Edith Mitchell, chair-

woman of the minority affairs committee and an assistant professor of medicine. Glick appointed an ad-hoc ethics committee to prepare a statement of principles for the college.

A.K. Rahman, director of Memorial Union and Brady Commons, received the committee's staff award. "He contributes to the recreation of all students and staff, and he strives to improve placement of minority and international students in the workplace," Mitchell said.

Introducing minority students to the world of medicine won the program award for the School of Medicine's Minority High School Apprentice Program. Hugh Stephenson, the school's interim dean, accepted the award and praised Mitchell for her work. "We have a lot of faculty who enthusiastically volunteer for the program," said Mitchell, who heads up the project.

The committee's student award was presented to Yvonne Matthews, a graduate student in the College of Home Economics. Matthews coordinates the college's minority student programs. She also works with home economics faculty to sensitize them to black students' concerns. Matthews aspires to achieve Dean Bea Smith's goal for the program. "She said too many student programs paint solutions with broad brush strokes," Matthews said. "They generalize. They lose sight of the individual. I want this program to paint with a detail brush, one person at a time."



## His research is surfacing

Mizzou has the largest educational research reactor facility in America. That's why Haskell Taub chose to come here 12 years ago. Taub is a professor in the Department of Physics and Astronomy, and winner of the \$2,000 Chancellor's Award for Outstanding Faculty Research in the Physical and Mathematical Sciences.

Taub's internationally recognized research in surface physics has resulted in techniques that may be used by others in the field. One such project analyzes neutron diffraction patterns to reveal the structure of molecules bound to a surface.

Although research is his first love, Taub teaches introductory physics and graduate courses. "I don't believe I could do the research as effectively without the teaching," he adds.

Jeff Adams photo

Haskell Taub won the Chancellor's Award for Outstanding Faculty Research in the Physical and Mathematical Sciences.

# MIZZOU IN THE MEDIA

The addition to Ellis Library made the cover of Choice magazine in November. The magazine is published by the Association of College and Research Libraries.

**WAYNE ANDERSON**, professor of psychology, was quoted in a Miami Herald article on bulimia, a condition of binge-eating and then purging. This illness and similar eating disorders have become a national disgrace, he says.

Approximately 4 percent of all college women suffer from bulimia. Weight control may be attempted by the use of laxatives, emetics or diuretics.

"As a nation, we have become almost schizophrenic in our treatment of food," Anderson says. "Our ads encourage people to eat. Becoming overweight is easy."

Treating the disease takes time and involves working on a variety of family attitudes and personal problems as well as teaching more effective ways of coping with emotions and stress, he says.

**TOM DOUGHERTY**, associate professor of management, co-wrote a study on office politics, which shows that tactics used by men to influence superiors and to obtain salary increases may backfire when used by women. Articles about the study appeared in The Indianapolis Star, the Kansas City Kansan and in Woman Inc. magazine.

More than 290 young managers and professionals who received business degrees from the universities of Oklahoma, Kansas and Mizzou, and who have been in the work force for at least four years were surveyed.

Respondents indicated seven basic strategies they used when influencing superiors. These are ingratiation, or buttering up the boss; rationality; assertiveness; exchange; blocking, or engaging in a work slowdown; upward appeal, or going to higher ups about an issue; and coalition building.

Rationality is often used by both sexes, Dougherty says. "A woman who exhibits a strong rational and logical approach may be able to overcome stereotypes of women as being more emotional, less rational, less

stable and more volatile than men."

The exchange tactic appeared to be a definite minus for women's salaries, but a plus for men's salaries, he says. Its characteristics include doing personal favors for the boss, offering to make personal sacrifices like working harder or offering to "scratch your back if you scratch mine."

**JERRY C. PARKER**, associate clinical professor of medicine and psychiatry, was featured in articles on fighting pain without drugs that appeared in the Hazelton, Ind., White River News and in the Whitman, Mass., Weymouth Dispatch.

Patients can take some control over uncontrollable pain without resorting to addictive drugs, he says. Parker studied 83 rheumatoid arthritis patients who gained control over their pain by learning how pain works, recognizing its onset, reducing stress, diverting attention away from it and changing lifestyle patterns.

**WILLIS PAULL**, professor and chairman of anatomy, was quoted in articles on a body's response to stress, which ran in the Fulton (Mo.) Sun and in the Richmond (Mo.) Daily News.

A study conducted by the Stress Group, a multidisciplinary group of researchers in the School of Medicine, reveals that specific neurotransmitters directly interact with the neurons in the brain. This interaction releases a hormone that plays a major role in how the body responds to stress.

"By increasing our understanding of the body's complex chain reaction to stress, we hope to learn how to intervene and improve a patient's ability to cope," says Paull, the research group's director.

**MICHAEL PERRY**, an oncologist at University Hospital and Clinics, was interviewed on television station KMBC in Kansas City about a new approach being used at the hospital to treat advanced breast cancer.

Women diagnosed to have cancer that is too advanced to be removed are undergoing an aggressive form of chemotherapy — stronger doses of more drugs — that shrink the tumor small enough for surgery or radiation treatment.

"When we treat patients right from the start with chemotherapy, we can get a much better handle on whether the tumors are sensitive to the chemotherapeutic agents," Perry says.

Physicians won't know how effective the procedure is for about 10 years, but they think it could improve the survival rate for locally advanced breast cancer from less than 10 percent to 30 percent.

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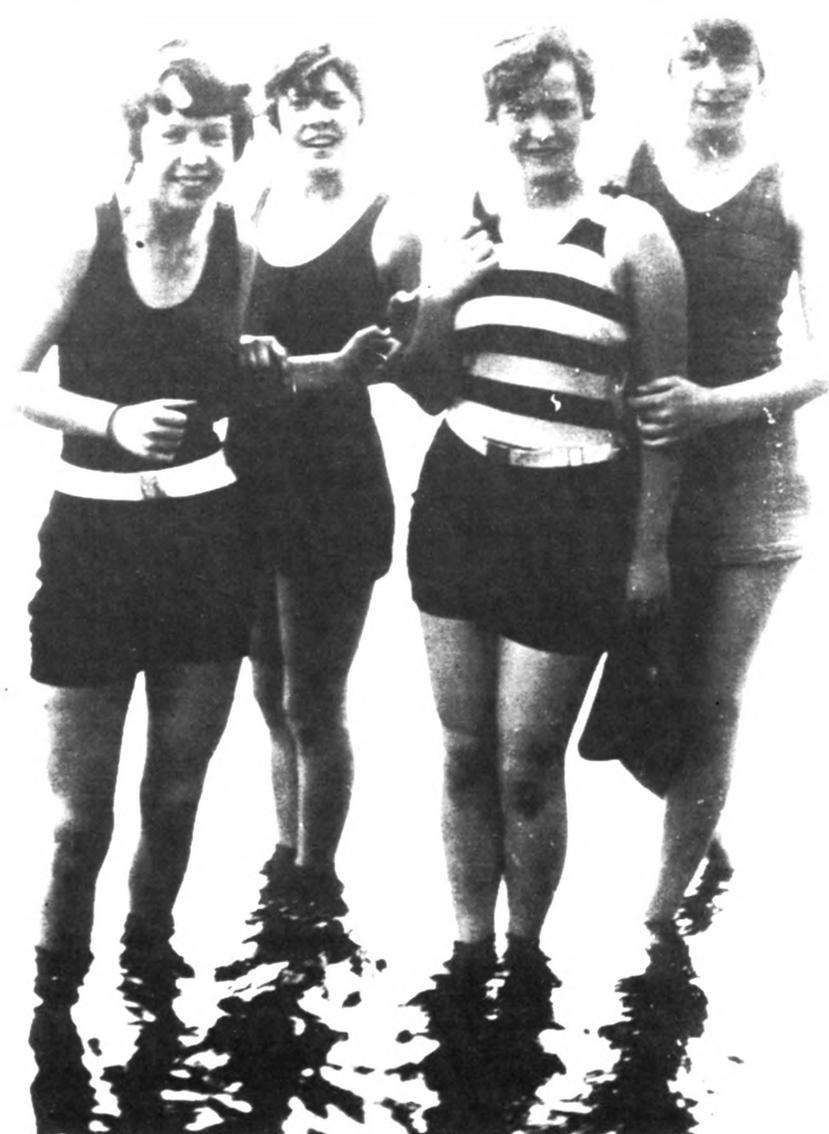
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Recorded listings of University Hospital and Clinics vacancies also are available 24 hours a day. For administrative/professional/technical openings call 882-1856; for nursing vacancies call 882-1857; and for secretarial/clerical/service/maintenance positions call 882-9088.

Anyone with UMCVMB CMS computer access may view campus and UM vacancies by logging on and entering command jobs. IBM 5520 users may view vacancies by asking their system administrator for the name of the current vacancy list document.

For more information or to apply for a job, contact Personnel Services, 201 S. Seventh St., west entrance, at 882-7976. For information on job openings at University Hospital and Clinics, contact the hospital Personnel Department, 1W42 UMCHC, telephone 882-8186.



## In the swim

During the first half of the 20th century, the Jennings-Marshall family spent summers at Grand Lake, Colo. Photos from those vacations and some of the family's bathing suits are on display during the "Fifty Years of Bathing Suits" exhibit, which runs through July 18 at the Missouri Cultural Heritage Center gallery, located on the second floor of the Conley House, Sanford Street and Conley Avenue. Hours are 8 a.m. to 5 p.m. weekdays.

## FOR THE RECORD

**CORRECTION:** Due to incorrect information supplied to Mizzou Weekly, the name of Leslie Donaldson Burger was omitted from the list of 1988 Superior Graduate Achievement Award winners. She won her award in biological sciences.

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# M I Z Z O U PEOPLE

**AARON KRAWITZ**, professor of mechanical and aerospace engineering, organized two sessions on "Non-Destructive Quantitative Stress Analysis" at the Metallurgical Society annual meeting Jan. 25 through 28 in Phoenix, Ariz. He was chairman of one session. At another, he presented "Neutron Stress Measurements."

**JIM PINSON**, instructor in journalism, and **BRIAN BOOKS**, associate professor of journalism, are co-writing a grammar book for journalists and journalism students. St. Martin's Press of New York will publish the book in January 1989.

**MICHAEL PULLIS**, associate professor of special education, presented "Temperament Characteristics and Classroom Observations of Behavioral Style in Early Childhood-Handicapped Children" at the Southwestern Society for Research in Human Development March 17 in New Orleans.

He is one of 12 U.S. researchers invited to attend an international conference on "Temperament Risk Factors in Children: Their Identification and Management by Health Services and Educators" in May in Lake Como, Italy. The conference, sponsored by the Rockefeller Foundation, involves 24 experts in education, psychology, psychiatry and pediatrics.

**C.S. REDDY**, associate professor of veterinary biomedical sciences, and **MOHAMAD ELDEIB**, senior research specialist, attended the 27th annual meeting of the Society of Toxicology Feb. 15 through 19 in Dallas, where Eldeib presented "The Role of Alternation in the Distribution of Secalonic Acid D in the Antitumorogenic Effect of DMSO."

**JOHN C. REID**, professor of higher and adult education and foundations, co-wrote "Personality, Psychiatric Disorders and Parental Attitude Among a Community Sample of Adolescents" that was published in *The Journal of American Academy of Child and Adolescent Psychiatry*.

**REX RICKETTS**, professor and chairman of dairy science, was elected chairman of three North Central Administration committees for animal, dairy and poultry.

**RICHARD ROBINSON**, professor of curriculum and instruction, presented "Ef-

fective Teachers of Reading: Who Are They and What Do They Do?" at the annual reading conference in February at California State University-Bakersfield.

**GEORGE ROTTINGHAUS**, associate professor of veterinary biomedical science, gave the annual report on NC-129: Mycotoxin Progress in Missouri for 1987, March 29 and 30 in St. Louis.

He will present "Fescue Toxicity" April 26 and 27 at Iowa State University in Ames.

**KEVIN RUDEEN**, associate professor of anatomy, received a five-year \$250,000 Research Scientist Development Award from the National Institute on Alcohol Abuse and Alcoholism to study fetal alcohol's effect on neural endocrine regulation of reproduction.

**J.E. SAVAGE**, professor of animal sciences, received the 1987 Special Award from the Missouri Egg Merchandising Council. The award recognizes outstanding service to the poultry industry and research on nutrient requirement.

**WILLIAM A. SEYMOUR**, assistant director of student development, had "We're Off to College" published in *Off to College: A Guide for College Bound Students*. The article describes college orientation programs and explains benefits students gain if they attend. The magazine is distributed annually to prospective college students through high-school and college educators. Seymour serves as director of orientation programs at Mizzou.

**THOMAS W. SHAUGHNESSY**, director of libraries, discussed "Management Strategies for Financial Crises" at the conference on *The Impact of Rising Costs of Serials and Monographs on Library Services and Programs* Feb. 25 and 26 in Norman, Okla. The conference was co-sponsored by the University of Oklahoma Libraries and the University of Oklahoma Foundation.

**ROBERT C. SHAW**, professor of educational administration, spoke at the annual meeting of the North Central Association of Colleges and Schools March 16 through 19 in Chicago.

**WENDY SIMS**, assistant professor of curriculum and instruction, wrote "Effect of Tempo on Music Preference of Preschool Through Fourth Grade Children" that was published in *Applications of Research in Music Behavior*. Her article "Comparison of Music Teaching Self-Evaluation Before and After Videotape Feedback" was published in the *Missouri Journal of Research in Music Education*.

"Music Preference Analysis with Computers," which she co-wrote with Diane Gregory of Florida State University, was published in *Journal of Music Therapy*.

**REGINA SINCLAIR**, preservation and physical processing librarian at Ellis Library, was one of two selected nationwide to participate in a four-month internship at the Milton S. Eisenhower Library at Johns Hopkins University, where she will undergo intensive training in preservation techniques.

**JOHN P. SLUSHER**, professor of forestry and a state extension forester, received the Karkhagne Award from the Missouri Society of American Foresters for long-term service to forestry.

**EDWARD S. SMALL**, associate professor of communication and director of film studies, wrote a chapter, "Film and Video Art," which was published in *Film and the Arts in Symbiosis*. The research for this chapter was funded partially by a NEH Travel to Collections Grant.

**JOHNNIE SNIPES**, maintenance service attendant for preventative maintenance, was named Employee of the Month for February by Campus Facilities.

**HUGH E. STEPHENSON JR.**, interim dean of medicine and the John Growdon distinguished professor of surgery, was named to a four-year term on the council of the Southern Medical Association. The council is the organization's decision-making body.

**VERNON STONE**, professor of journalism, wrote "Changing Profiles of News Directors of Radio and TV Stations, 1972-1986" that was published in *Journalism Quarterly*.

His article "Salaries Change Little in 1987" was published in the February RTNDA Communication, a Radio-Television News Directors Association publication. Since 1972, the association has continuously funded Stone's research.

**PAUL M. SWAMIDASS**, assistant professor of management, wrote "Planning for Manufacturing Technology" that was published in *Long Range Planning*, and "Toward a Theory of Manufacturing Overhead Cost Behavior: A Conceptual and Empirical Analysis" that was published in *Journal of Operations Management*.

**RON TAVEN**, professor of horticulture, presented "Green Thoughts" at the Nebraska Nurseryman's Association meeting Feb. 14 through 17 in Lincoln, Neb.

**JIM TURK**, associate professor of vet-

erinary pathology, presented "Respiratory Disease in Missouri Swine" March 6 through 8 at the annual American Association of Swine Practitioners meeting in St. Louis.

His poster and slide show "Prevalence of Bovine Diseases Detected at the Missouri Veterinary Medical Diagnostic Laboratory" were on display Feb. 28 and 29 at the Missouri Cattlemen's Association meeting in Springfield.

**JOSEPH WAGNER**, chairman of veterinary pathology, presented "Impact of Rodent Infections on Research" to the division of laboratory animal science faculty of medicine March 22 at the University of Toronto.

**JAMES M. A. WEISS**, professor and chairman of psychiatry, received the fourth annual Louis H. Kohler Memorial Distinguished Lectureship Award from St. Mary's Health Center in St. Louis. The late Dr. Kohler served for more than 50 years on the staffs of St. Louis State Hospital, St. Louis University and St. Mary's Health Center.

On March 28, Weiss spoke to the medical staffs of the health center and of St. Louis University on "Evaluating Suicide Risk in Medical and Psychiatric Patients," and gave a public lecture on "Psychopathy: The Nature of Antisocial Behavior."

The health center's administrators and staff sponsored a reception and dinner that evening in his honor.

**JAMES WESTBROOK**, professor of law, was named Missouri representative for The Private Adjudication Center at the Duke University School of Law. The center provides dispute resolution services as well as conducts research on dispute resolution.

**MICHAEL D. WOODARD**, assistant professor of sociology and assistant dean of minority affairs, organized a session on "Comparative Approaches to Race and Ethnic Relations" at the Midwest Sociological Society meetings March 23 through 26 in Minneapolis.

He participated in the first Race and Ethnic Relations conference Feb. 10 through 12 at Texas A&M University in College Station.

His article "The Effects of Social Class on Voluntary Association Membership of Afro-Americans" was published in *Sociological Focus*.

**HOLLY R. WYGANT**, a computer systems operator for Computing and Information Technology, received an AB degree in geography last fall.

## Bettering home life

*New program to help care providers understand needs of developmentally disabled residents.*

Many nursing homes are overlooking the special needs of developmentally disabled adults, according to the co-director of a new program designed to improve Missouri nursing home care. "More and more developmentally disabled adults require long-term care as they live longer, healthier lives, but nursing homes are not prepared for the unique needs of these residents," says Bonnie Bourne, assistant professor of continuing education at the School of Medicine.

"One of the biggest problems we found in our survey of care administrators was a misunderstanding of the needs of this spe-

cial group of people," Bourne says. The developmentally disabled often enter nursing homes at earlier ages than other adults, have a smaller support system in terms of friends and family, and need more stimulation to enable them to stay active.

The developmentally disabled frequently are considered mentally ill but the two are very different, Bourne explains. Developmentally disabled refers to a condition that limits a person's normal development, such as mental retardation and cerebral palsy. Mental illness refers to disorders of the mind, including depression or paranoia.

Bourne hopes the new federally funded program offered by Mizzou and UM-Kansas City will clear up some misunderstandings care providers have about the developmentally disabled. The program will include workshops across the state for administrators of long-term care facilities. There also will be a specialist available to help individual nursing homes utilize the steps discussed in the workshops.

The goal for nursing home administrators is to challenge and encourage each developmentally disabled patient without dramatically increasing costs. Bourne says a little extra attention can greatly improve the life of a nursing home resident.

## Doctors examine surgical technique

Researchers nationwide are scrutinizing a controversial operation often used to prevent strokes. "We want to determine if carotid endarterectomy is effective in preventing strokes and, if so, for which patients the surgery is indicated," says John Byer, associate professor of neurology at the School of Medicine. The University is one of 41 centers nationwide participating in a National Institutes of Health study of the procedure.

Carotid endarterectomy has grown in popularity in recent years, with more than 100,000 of the operations performed annually. Controversy surrounds the procedure because of recent reports that it is overused and causes complications, including stroke and death. Byer says the value of carotid endarterectomy has never been scientifically documented.

"We already know that medical management such as using anti-clotting medicines, controlling high blood pressure, regulating dietary intake and smoking cessation can decrease a person's risk of stroke," he says.

"But now we need to determine which patients at risk for stroke benefit further by

having this surgery in addition to medical management," explains Mary Kay Gumerlock, assistant professor of neurosurgery and co-director of the research with Byer.

During carotid endarterectomy, a surgeon cleans out deposits in the large carotid arteries, the arteries which carry blood up the neck from the heart to the brain. The idea is to clear away plaque that may result in strokes.

Strokes are the third leading cause of death in the United States. They are often caused by debris, including cholesterol plaque and clotted blood, that breaks loose and travels to the brain, thus preventing an area of the brain from receiving oxygen-rich blood.

Gumerlock says carotid endarterectomy currently is recommended for people who have had slight strokes or warning signs of strokes. Warning signs may include temporary weakness, numbness, clumsiness, blurred vision, slurred speech or difficulty in finding words.

Gumerlock and Byer hope this study will help end current controversy over the value of carotid endarterectomy. The study, to be completed in 1993, is designed to provide firm evidence of when and for whom to recommend the procedure.

# Helping preemies develop quickly

*Mizzou researcher studies calcium intake of premature babies in search for ideal formula.*

She explains that neither the latest infant formulas nor a mother's milk provide the ideal combination of nutrients to help a premature baby develop as the baby would have after a full nine months in the womb.

Calcium is one of the most important elements premature babies may miss out on. It is vital for building bones which are needed for growth, strength and certain functions. Hillman says babies born two or three months early often have trouble breathing because of fractures that occur in the rib cage. She says other weak bones of these babies also fracture easily, causing infections or other complications.

While current formulas for premature babies have extra calcium and extra vitamin D, which probably enables the baby to absorb more calcium, Hillman says she is not satisfied. She hopes the new method she developed to trace calcium in premature babies will help her research team find the best formula to help premature babies grow stronger.

"Our current studies show that adding calcium and vitamin D to formulas increases the amount the infant absorbs but also increases the amount the infant discards and does not result in the necessary total gain," she explains.

By providing babies with two isotopes, or different forms of calcium which are traceable, researchers will be able to track not only the percent of calcium that stays in the body and the percent discarded, but also the percent going to each area, such as the bones, Hillman says.

"This will allow us to know if the changes we are making in formulas are actually helping the baby," she explains. Hillman is now using this new method to study variations of infant formulas and variations of supplements for mother's milk that may help the thousands of babies born prematurely each year.

New infant formulas may some day help premature babies develop as quickly as they would have in the womb. And finding those formulas may be possible now because of a new method of tracking a baby's calcium intake, which was developed at the University.

While more and more premature infants survive each year because of recent medical advances, providing the same nutrition the baby would have received if carried full-term is still the single largest problem in saving these infants, says Laura Hillman, professor of child health.

"So far, we have not been able to provide the same vital nutrition a full-term baby receives from its mother through the placenta during the last three months of pregnancy."

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July 1 for July 12 issue  
July 15 for July 26 issue

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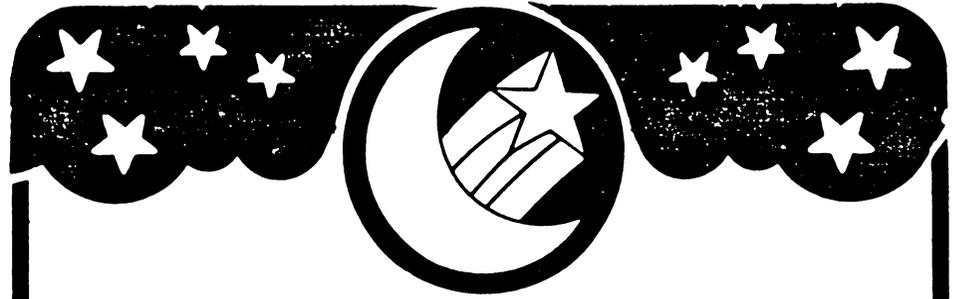
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# CALENDAR

Send calendar items in Campus Mail to Scott Wyman, Mizzou Weekly, 1100 University Place, by noon Tuesday the week before publication.

Events are free and open to the public unless otherwise noted.

## Highlights

**STUDENT ENSEMBLE SERIES:** The Concert Chorale, with Gregg Fuller conducting, will perform at 8 p.m. April 26 in Fine Arts Recital Hall.

**STUDENT ENSEMBLE SERIES:** The Symphony Band and the Concert Band, with Jeffrey Lemke and Russell Laib conducting, will perform at 8 p.m. April 27 in Jesse Aud.

**PLAY:** "I am a Teacher," a one-man play about a day in the life of an educator, will be presented at 6:30 p.m. April 28 in Keller Aud.

## 26 Tuesday

**PHARMACOLOGY SEMINAR:** Julian L. Ambrus, professor of internal medicine and experimental pathology at the State University of New York, will present "Clinical Studies on Interferon Inhibitors in Patients with AIDS, Neoplastic Diseases and Lupus Erythromatosus, Immunomodulatory Therapy" at 3:40 p.m. in M558 Health Sciences Center.

**STUDENT ENSEMBLE SERIES:** See Highlights.

## 27 Wednesday

**MISSOURI INSTITUTE OF PSYCHIATRY:** "Missouri Conference on Depression: The Mask of Depression" will be held through April 28 at the Hyatt Regency Hotel, 2345 McGee, Kansas City. Cost: \$88. Call (314) 644-8803.

**ACADEMIC SUPPORT CENTER:** An open house will be held at the center, 505 E. Stewart Road, from 9 a.m.-4 p.m.

**EMPLOYEE DEVELOPMENT SEMINAR:** Parris Watts, director of the Total Person Program in Intercollegiate Athletics, will speak on "Wellness Lifestyle: Taking Charge of Your Health" from 9 a.m.-4 p.m. in 146 Heinkel Bldg. Call 882-4859.

**PHYSIOLOGY SEMINAR:** Michael Brands, graduate student in physiology, will speak on "Aldosterone and Renin Inhibition by Physiologic Levels of ANF" at 11:40 a.m. in MA414 Medical Sciences Bldg.

**PSYCHIATRY COLLOQUIUM:** Arthur Freeman, professor of psychiatry at the University of Alabama-Birmingham, will speak on "Psychiatric Aspects of Cardiovascular Disease" at 1 p.m. in the Truman Veterans Hospital Aud.

**PROVOST:** Provost Lois DeFleur will hold open office hours for faculty, staff and students from 3-5 p.m. in 114 Jesse Hall.

**STUDENT ENSEMBLE SERIES:** See Highlights.

**MSA FILM:** "Father of the Bride," no rating available, will be shown at 8 p.m. in Ellis Aud. Cost: \$1.

## 28 Thursday

**CLASSWORK ENDS** at close of day.

**LAW SEMINAR:** "Winning Before Trial: Effective Pretrial Practice" will be presented from 8 a.m.-4:20 p.m. at the Drury Lodge, I-44 and Glenstone, Springfield. Cost: \$110. Call 882-7251.

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

**DEPARTMENT OF COMMUNICATION:** The Radio-Television-Film Festival, highlighting the talents of department students, will be presented at 7:30 p.m. in N208 Memorial Union.

**PLAY:** See Highlights.

## 29 Friday

**STOP DAY**

**MEDICAL CONFERENCE:** "Perinatal/ Neonatal Critical Care: A New Look at Old Problems" will be presented at the Holiday Inn, 102 S. Third St., St. Joseph. Cost: \$40. Call 882-4105.

**CONFERENCE:** "Mental Illness on the Missouri Agenda" will be presented at the Conference of the Missouri Coalition of the National Alliances for the Mentally Ill at the Holiday Inn, 333 John Q. Hammons Parkway, Springfield. Cost: \$35. Call 882-4105.

**MEDICAL CONFERENCE:** The Midwest Conference on Eating Disorders: "Obesity, Anorexia Nervosa, Bulimia Nervosa" will be presented through April 30 at the Hyatt Regency, Crown Center, Kansas City. Cost: \$125. Call 882-4105.

**MISSOURI INSTITUTE FOR EXECUTIVE DEVELOPMENT:** Ronald King, director of the institute, will discuss "Salesmanship" at a breakfast seminar at 7:30 a.m. at the Ramada Inn, 1100 Vandiver Drive. Cost: \$15. Call 882-4803.

**STATE MUSIC FESTIVAL:** Event will be held through April 30 on the University campus, with a central booth in the Fine Arts Bldg.

**LAW SEMINAR:** "Winning Before Trial: Effective Pretrial Practice" will be presented from 8 a.m.-4:20 p.m. at the Ramada Inn, I-70 and Highway 63 North. Cost: \$110. Call 882-7251.

**MEDICAL CONFERENCE:** "Radiology Technology Seminar" will be presented

from 8:15 a.m.-4:15 p.m. at the Hearnes Center. Cost: \$40 in advance, \$50 on site. Call 882-4105.

**MISSOURI INSTITUTE OF PSYCHIATRY:** "How to Work with Difficult People in a Health Care Setting" will be held from 8:45 a.m.-3:45 p.m. at the Baptist Medical Center, 6601 Rockhill Road, Kansas City. Cost: \$65. Call (314) 644-8803.

**MSA FILM:** "Inner Space," rated PG-13, will be shown at 7 and 9:30 p.m. in Ellis Aud. Cost: \$2.

**SEE THE STARS:** Weather permitting, the Laws Observatory on the roof of the Physics Bldg. will be open from 8-10 p.m.

## 30 Saturday

**FINAL EXAMINATIONS BEGIN**

**MSA FILM:** "Inner Space," rated PG-13, will be shown at 7 and 9:30 p.m. in Ellis Aud. Cost: \$2.

## May

### 1 Sunday

**POWELL GARDENS:** A plant sale and the May Day celebration will be held from 1-5 p.m. at the gardens, located near Kingsville, Mo. In case of heavy rain, the event will be held May 8. Call (816) 566-2213.

### 3 Tuesday

**CHEMICAL ENGINEERING SEMINAR:** The department will hold a seminar at 3:40 p.m. in 1034 Engineering Bldg.

**STAFF FOR LIFE WELLNESS PROGRAM:** "Heartsaver Course (cardiopulmonary resuscitation for adults)" will meet from 6-9 p.m. in 315 Dockery Hall. Minimum fee. Call Kate Dunn at 882-4161.

## 4 Wednesday

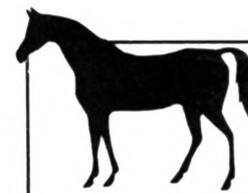
**EMPLOYEE ORIENTATION:** Event will be held from 9-11:30 a.m. in the Education and Development Center, 146 Heinkel Bldg.

**PSYCHIATRY COLLOQUIUM:** Stephen Hucker, associate professor at the University of Toronto, will speak on "Auto Erotic Asphyxia" at 1 p.m. in the Truman Veterans Hospital Aud.

**PROVOST:** Provost Lois DeFleur will hold open office hours for faculty, staff and students from 3-5 p.m. in 114 Jesse Hall.

## 5 Thursday

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



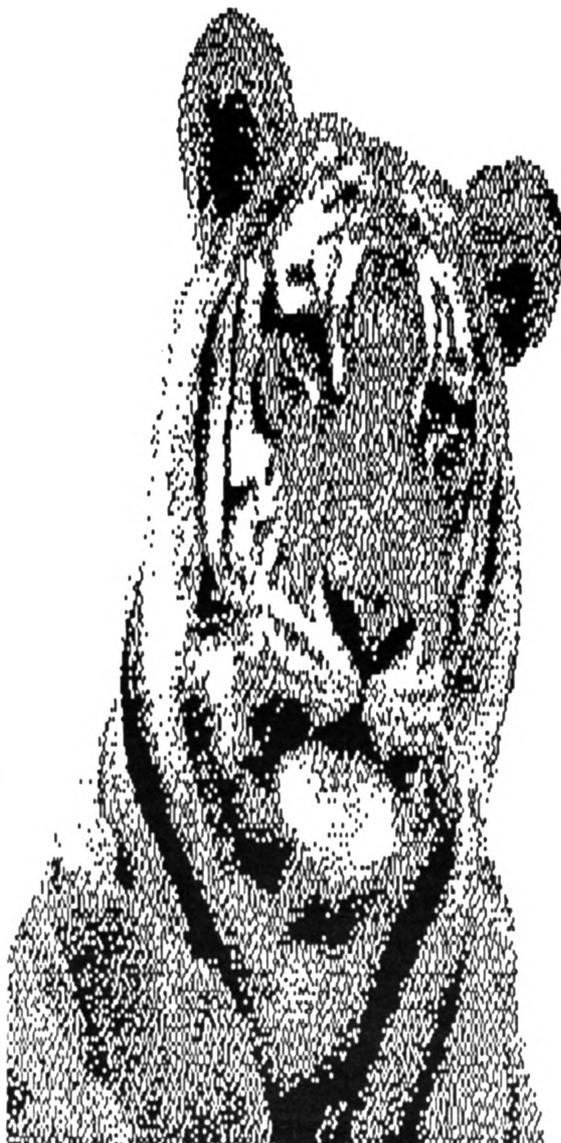
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## MIZZOU WEEKLY SUMMER SEMESTER CALENDAR JUNE 14

Event date	_____
Event title	_____
Speaker or performer (include professional title, university or company affiliation)	_____
Time	_____
Location	_____
Ticket or cost information	_____
Event sponsor	_____
Is event open to the public? If not, who may attend?	_____
Submitted by	_____
Phone number	_____

The Mizzou Weekly Summer Semester Calendar will be published June 14. To announce an event, fill out the form and send it through Campus Mail before June 3 to Mizzou Weekly, 1100 University Place.

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