

Poised for progress

Faculty updated on opportunities to strengthen programs at Mizzou.

In his opening remarks at Tuesday's general faculty meeting, Gilbert Youmans, chair of Faculty Council, pointed out that the last such meeting had been held May 1 — May Day. "You'll agree that after that meeting, it's fitting that we meet on Nov. 11, which is Armistice Day," said Youmans, professor of English. "In fact, the two flash points of that meeting seem to be working their way to peaceful solutions."

At the May meeting, faculty voted to allow academic divisions to develop alternatives to a campuswide requirement that undergraduate students complete a "cluster" of courses outside their major. Since then, Youmans reported, five divisions have submitted alternatives to clusters. The committee on undergraduate education reviewed those proposals and, after asking for revisions to two proposals, approved all five.

"People are proceeding in a reasonable and rational way. Apparently some alternative to clusters was necessary, otherwise these divisions would not have taken the time to prepare alternatives," Youmans said. "I think there really is no

institutional crisis on this issue. We have the opportunity to work in a deliberate way to continue to examine our general education requirements and try to improve them and to adapt to changing needs."

Another issue at the May meeting was MU's policy on granting fee waivers to graduate students. That issue also is moving toward resolution, Youmans said. "I think this means that we can look at issues of longer term significance."

One issue of long-term concern, he said, is the gradual decline in the number of tenured and tenure-track faculty at MU. The number has dropped by 263 positions, from a high of 1,446 faculty in 1977.

But Youmans said that a bright spot in that scenario is the University's mission enhancement goal, which calls for additional support for full-time faculty to reduce reliance on teaching assistants for undergraduate instruction. That move, he said would reverse "a two-decades long erosion in faculty at the University of Missouri."

Because of strong support for higher education from the state legislature and the governor, "I put it to you that we have

now reached a point of historical opportunity at this campus," Youmans said.

Interim Chancellor Richard Wallace agreed with that assessment. "There is a political environment in this state right now most favorable to support of higher education," he said. Wallace noted that the University's request for state funds for mission enhancement will "provide a wonderful opportunity for focused investment in our programs."

"I believe MU is in very good shape, and indeed I believe we are poised to make remarkable progress over the next several years in further strengthening our programs and, I think equally important, achieving the recognition and rewards that our quality deserves," Wallace said. He pointed to several prestigious awards MU received last year for its strong undergraduate education programs. "This strength is very important to us and the people of Missouri, and it is a strength on which we should continue to build," Wallace said. "And indeed, through mission enhancement and in other ways we surely will do so, for that is something that you as a faculty determined some time ago."

Wallace also pointed to other strong programs at MU. "Over the past 15 years, we have developed on this campus great strength in interdisciplinary programs.

This is not simply business as usual," he said. "I believe we may be unique among other major research institutions in the extent to which our faculty have been willing to work so effectively across the administrative lines that so often get in the way of such collaboration."

Other campus strengths include nationally recognized programs in the life sciences, private fund raising that is at an all-time high for MU and is rapidly increasing, and encouraging success in enrolling and retaining African-American students. "We need to work harder towards similar success in recruiting and retaining minority faculty and staff," Wallace said.

Other challenges that face Mizzou, the chancellor said, include building stronger graduate and research programs and generating more outside support for them. At the same time, Wallace stressed the need to further strengthen MU's already strong undergraduate programs. "We will be pressed even harder for accountability in this area, and I'm grateful that our faculty made a commitment years ago in regard to the importance of this," he said.

At Tuesday's general faculty meeting, faculty also took up a number of issues on the agenda:

•Faculty were updated on the work of a

See Mizzou, pages 2 & 3

Hold that check

New tax incentive prompts UM System to delay payment of winter semester's tuition and fees.

The University of Missouri System wants students and parents to take advantage of a new tax credit.

That's why all four campuses are postponing the date for paying winter semester's tuition and fees until January.

Traditionally, all or part of tuition and fee payments for the upcoming semester are due at MU on Dec. 15, but this year is different because of the Hope Scholarship Credit which, in effect, is a tax credit, says Paul Toler, manager of cashiers. "We are advising students and parents who want to take advantage of the credit to pay their bills on or after Jan. 1." MU's due date is Jan. 5.

Some institutions nationwide have decided that the cost concerns outweigh their desire to aid the student in taking advantage of the Hope credit this year — the only year in which any payment adjustment would have to be made, Toler says. "The University of Missouri System decided to help our students by postponing payment because we believe it is a good deal for the student or parent who pays for tuition and fees."

According to the Internal Revenue

Service, the Hope credit may be claimed for payment of "qualified tuition and related expenses of each student in the taxpayer's family" such as the taxpayer, the taxpayer's spouse, taxpayer's child or an eligible dependent.

However, charges and fees associated with room and board, student activities, athletics, insurance, books, equipment, transportation and similar personal, living or family expenses are not considered qualified tuition or related expenses, Toler says.

Tuition at MU for 15 credit hours would be about \$2,140, Toler says. "Basically that student would get approximately three-fourths of one entire semester paid for."

The tax credit, signed into law in

August, covers 100 percent of the first \$1,000 in tuition and fees paid, and 50 percent of the next \$1,000. The maximum tax credit one can get for the 1998 tax year would be \$1,500 for each student who is enrolled at least half time in a program that leads to a degree, certificate or other recognized educational credentials, and is enrolled in one of the first two years of postsecondary education.

"The program is so new that the IRS has not published a final definition of who a first- or second-year student is," says Joe Camille, director of financial aid. "So MU is offering the delayed payment date to all students."

For 1998, the tax credit can only be applied to payments made after Dec. 31, 1997. In succeeding years, payments can be made in December for the winter semester and still qualify for the tax break.

The IRS forbids both the parent and a dependent child claiming the credit in the same year, Camille says. "Either the parent or the student, but not both, may claim the credit for the student's expenses in a particular year," Camille

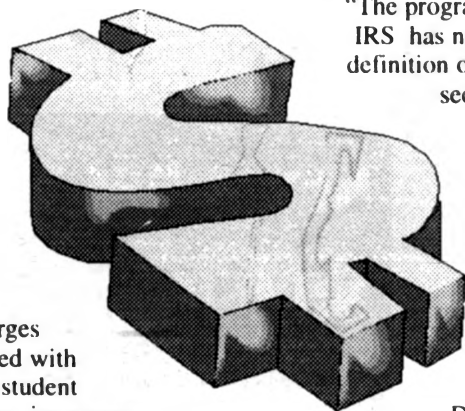
says, adding that the first year that the Hope credit will be available is 1998. "Taxpayers will not be able to claim the credit until they file their 1998 tax return in 1999," he says. "Instructions accompanying the 1998 tax forms should explain how to calculate the credit and how to claim it on the tax return."

Single taxpayers earning less than \$40,000 a year in adjusted gross income will get the full credit; couples filing jointly must make less than \$80,000, Camille says. The Hope credit is gradually reduced for singles making up to \$50,000 and couples whose income is up to \$100,000.

MU has adopted the role of educating the public, not determining eligibility. "Our job is reporting only," Toler says. "Taxpayers are responsible for determining if they are eligible."

To give taxpayers as much information as possible, Toler says his office has sent notices of upcoming billing changes, and letters explaining the tax credit will be included in the bills produced around Nov. 25 and Dec. 10.

"It's the best information we have now; however, the final rules have not been written," Toler says. "We strongly advise students and parents to consult a qualified tax specialist for additional information and applicable regulations."



WINDOW OF OPPORTUNITY

Each year during November, faculty and staff of the UM System have the opportunity to make changes to their benefit package. This year's deadline for making changes to the plan is Nov. 21; information packets and forms have been sent to all benefit-eligible employees.

Although there will be slight increases in medical and dental premiums, there will be no changes to the actual insurance plan. Other University-sponsored insurance plans may be modified during the enrollment change period, including life insurance, dependent life

insurance, long-term care and disability, and accidental death.

Faculty and staff who wish to maintain their current benefit plan need not fill out an enrollment form; they automatically will be reenrolled at their current level. However, employees who participate in the Flexible Spending Account program, must reenroll each calendar year.

The flexible spending program provides employees with tax-saving opportunities by setting aside payroll dollars they spend on health care and dependent care. Each year, University employees set aside slightly under \$1 million for flexible spending accounts for

healthcare, and more than \$1.5 million for dependent care. Enrollments for the flexible spending program will be accepted until Dec. 31, however employees are encouraged to submit their enrollments as soon as possible.

The tax deferred annuity program is another popular benefit with University employees, who use the program to set aside slightly more than \$22 million annually for retirement. Beginning Jan. 1, 1998, the elective deferral cap under the tax deferred annuity plan increases from \$9,500 to \$10,000.

A CHORAL TRADITION

This annual concert has been a Mizzou holiday tradition for decades. This year, the 250-voice MU Choral Union and the University Philharmonic will perform Johannes Brahms' "A German Requiem" along with his "Ave Maria" and "Alto Rhapsody" at 8 p.m. Nov. 22 in Jesse Auditorium.

The performance will feature guest soloists Carol Meyer of the New York Metropolitan Opera, internationally acclaimed baritone Desmond Byrne, and MU faculty member Ann Harrell. The performance, conducted by David Rayl, director of MU choral activities, commemorates the 100th

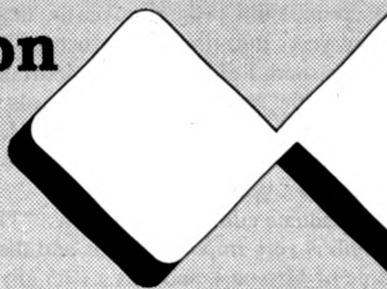
anniversary of the composer's death. It is the concluding event in the music department's series "Remembering the Romantics." Admission is \$10, and tickets are available by calling 882-3781.

USE IT AGAIN, SAM

National Recycling Day is Nov. 15, which makes this a good time for the University community to give itself a pat on the back. With the help of faculty, staff and students, Mizzou continues to be progressive in its efforts to recycle materials and keep them out of

Parking & Transportation Services

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The PEDESTRIAN CAMPUS AREA is off limits to all motorized vehicles between 8:15 a.m. and 3:45 p.m., Monday through Friday during class sessions. Entry by a vehicle into the pedestrian area is a violation of Columbia City Ordinance Section 14.180. Questions about access to the area may be directed to University Police at 882-7201.

Mizzou

From Page 1

committee that examined the current fee waiver policy and suggested possible changes to Provost Edward Sheridan.

The committee's original proposal included a provision that would withhold some funding for colleges and programs that did not meet certain quality standards for the graduate students they recruit.

Sheridan told faculty that he would not support those financial penalties for programs. The provost also questioned another provision in the committee's report that suggested that classes of graduate students entering a program have aggregate scores at the 50th percentile on the Graduate Record Exam.

"While that's aspirational, it's not my intention to accept a proposal in which every single graduate program in the University would have to adhere to some score on the GRE," Sheridan said. "Rather, I think what we will do is ask departments to tell us what are the quality indicators in your program that you can be measured by. The spirit is to have quality indicators, but I wouldn't think we would

want to limit it to simply one."

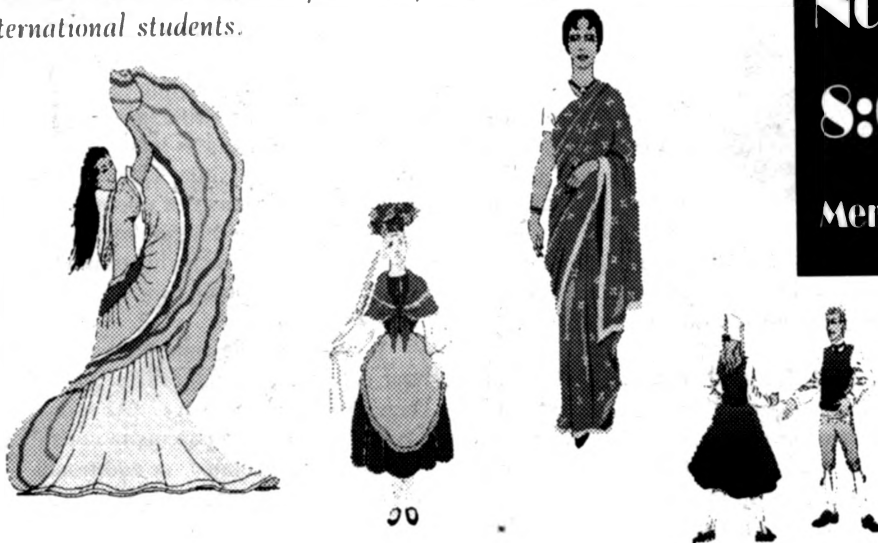
Interim Chancellor Richard Wallace told faculty that the provost's intent was to act on the fee waiver report within the next week. "That should, I hope, clarify for department chairs and directors the terms under which they are recruiting graduate students for the coming year," Wallace said.

Faculty then took up a motion raised at the May 1 meeting that would reverse the current policy on graduate fee waivers. Bruce Cutter, a member of the provost's fee waiver committee and president of the Graduate Faculty Senate, suggested that faculty table that previous motion "in light of the efforts of the committee and the ongoing efforts of the GFS this year to establish the ground rules that we are going to be working under." That motion passed by a voice vote.

Discussed a proposal to establish an ombudsman's office that would work informally to resolve disputes between faculty and administrators. Faculty Council members have worked over the past year with the administration to develop the proposal. Law faculty from the Center for the Study of Dispute Resolution assisted in those efforts.

International Fashion Show

See traditional & modern fashions presented by the university's international students.



November 15, 1997

8:00 to 11:00 p.m.

Memorial Union's Stetler Lounge

Free & Open to the Public.
Sponsored by MSA/GPC & the International Programming Committee.



MIZZOU WEEKLY

Volume 19 Number 12

A publication for University of Missouri-Columbia faculty and staff, published every Thursday during the academic year and twice a month during the summer by Publications and Alumni Communication, a department of University Affairs, 407 Reynolds Alumni and Visitor Center, 882-7357. News deadline is noon Thursday the week before publication. Annual subscriptions are available for \$20.

Editor John Beahler
Graphic editor Sue Richardson
Director of advertising Tanya Stitt
Photographers Nowland Bamard III, Rob Hill, Nancy O'Connor
Assistants Amy Elsner, Jennifer Hartmann



Printed with soy ink on recycled newsprint containing 90 percent to 100 percent post-consumer waste.

the landfill.

The MU recycling committee, which was formed in 1990, can point to some significant successes on the campus recycling front:

- More than 82 tons of newsprint has been recycled since 1993.
- Nearly 13 million pounds of office paper was recycled since 1973.
- In 1996 alone, 90 tons of cardboard was recycled.
- Telephone directories are recycled each year.
- MU's power plant supplements its coal fuel by burning 100 tons of shredded car tires each week, saving the campus \$100,000 to \$200,000 in fuel costs annually.

•A project by the environmental affairs council that reminds faculty and staff to turn off unused lights has saved more than \$100,000 each year in electrical costs.

•Students living on each floor of most MU residence halls are involved in Residential Life's recycling program.

•Recycling barrels for office paper, newsprint and magazines are in buildings throughout campus. In the parking lot across from Hitt Street Market, there are two mobile recycling containers for those items, as well as glass, milk jugs and aluminum cans.

MU'S WINNING WAYS

Mizzou wasn't just a winner on the football field during the Homecoming celebration this year. Homecoming showcased MU's winning ways all over campus. The traditional spirit rally drew 1,000 people — twice as many as usual. The Homecoming parade was one of the largest in the nation, with 110 parade entries and more than 25,000 people lining the streets to watch. Nearly 48,000 fans watched the Tigers beat Texas at the annual Homecoming football game.

There were other victories off the field as well. The Homecoming blood drive set a new world record for peacetime donations with 3,987

units collected on campus, surpassing the world record that MU set last year by more than 100 units. Alumni blood drives in St. Louis, Kansas City, Kirksville, Springfield and Cape Girardeau brought the total units donated to 4,197. Mizzou-Roni, a macaroni-and-cheese food drive, collected more than 50,000 boxes of that basic food group of college students. And hundreds of MU students pitched in to paint over graffiti, clear a lot for a future Habitat for Humanity home, and help out at the Ronald McDonald House.

HOW-TO FOR FACULTY

Are you interested in putting your course on-line? You don't have to reinvent the wheel. Find out how others have put a course on-line by participating in a live satellite event that will give you the useful, nuts-and-bolts information you need. It's called "Putting Your Course On-Line: A How-To For Faculty" and covers such topics as resources, course selection and design, administration, college support, time requirements, cost, even hardware and software issues. The event will be held today from 2-3 p.m. in Room 20 of the Academic Support Center.

"This is not an unusual idea, about 200 colleges and universities in the United States and Canada have somebody who does a job like this and is called an ombudsman," said Len Riskin, professor of law. "The essential idea is that the ombudsman helps people resolve problems and resolve disputes in an informal way. The ombudsman does not have authority to decide cases, but facilitates dialogue and facilitates negotiation. We expect that if this program is established it would probably significantly reduce the numbers of grievances."

Several faculty raised questions about the ombudsman's office, including the cost. Al Hahn, one of several Faculty Council members who made the original proposal, said that at other universities the

cost has ranged from \$50,000 per year for a small office to as much as \$250,000 for a larger one. "The other side of it is the cost of putting together a grievance panel," said Hahn, professor of veterinary medicine and surgery. "If one could stop some of those grievances from taking place, that cost is considerable."

"There is no good outcome from almost every grievance that has been filed," said Charles Nauert, professor of history. "If it can possibly be avoided through conciliation and negotiation, that certainly needs to be done."

Other faculty questioned how the ombudsman would be selected, how his or her work would be evaluated, and whether the need for such a position would reviewed down the road. One professor, for instance, suggested the position be

elected by faculty.

"The fear in this is you open up a new layer of administrative activity. No matter how meritorious it seems at the planning stage, it's awfully tricky to withdraw and pull it back, not just let it grow on Topsy-like without any capacity to undo it," said Kit Salter, professor and chair of geography.

"Some of the discussion and opposition to this idea is that we're adding another layer," of bureaucracy, said Ed Metzen, professor and chair of consumer and family economics. "It seems to me the real plan here is to replace part of the layer with what could well be a more efficient and more effective kind of entity."

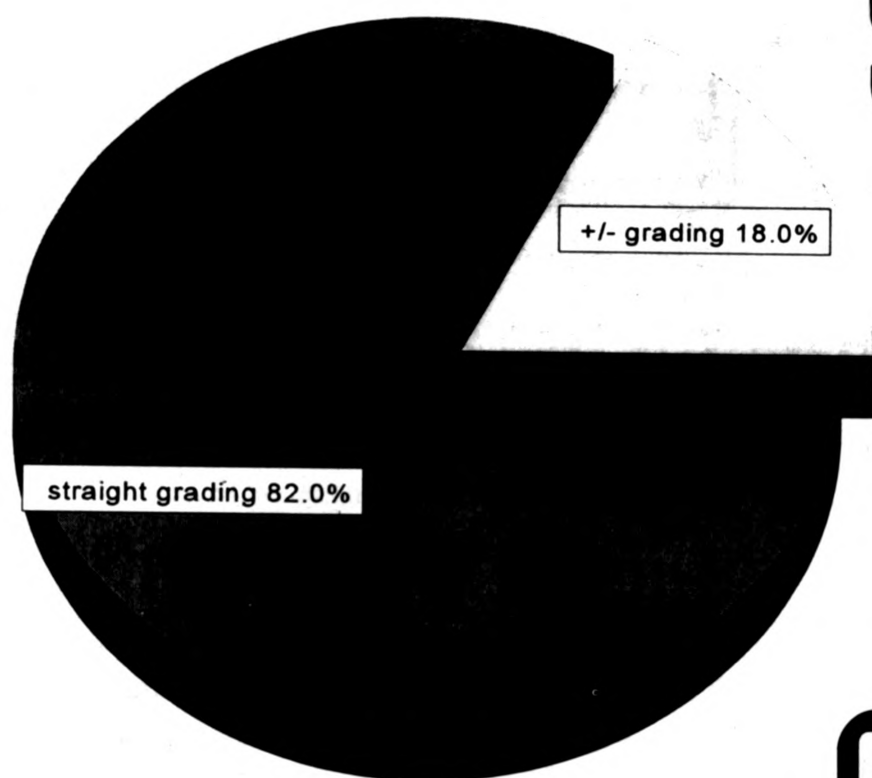
Chancellor Wallace said he supported initiating the ombudsman's office on a

trial basis. Youmans urged faculty to make their views on the issue known to their Faculty Council representatives, or to make their comments through the council's electronic faculty forum. "We want to reflect your will on this matter," Youmans said.

•Heard a report from a Faculty Council subcommittee that has been reviewing MU's current policy on plus-minus grading. That faculty and student committee has developed a ballot on the grading policy that will be mailed to faculty in coming weeks.

The ballot, which was approved by Faculty Council last week, includes two options: straight letter grades and a plus-minus grading system that includes A-pluses, but counts both an A+ and an A as 4.0 on a student's grade point.

According to three MSA surveys representing 1,400 students,



**STUDENTS
WANT
STRAIGHT
GRADING!**

Strategies for success

Research will 'debunk the myths' of attention disorder in adults.

Ritalin, the popular prescription drug used to treat attention deficit hyperactivity disorder (ADHD) in thousands of American children, has become a household name in the past decade. However, far less attention has been paid to adults who may suffer from the same problem.

Now, a research team at MU will use a \$300,000, three-year grant to "debunk the myths, establish the facts and move forward" in the diagnosis and treatment of adolescent and adult ADHD, according to project director and MU professor of educational and counseling psychology James Koller.

The grant from the Missouri Division of Vocational Rehabilitation funds a multidisciplinary project that Koller hopes will become a national model for assisting adolescents and adults with ADHD. "Many people are under the mistaken impression that ADHD affects kids and then goes away in adulthood," Koller said. "That just isn't the case."

The result of this misinformation, Koller says, is that thousands of adults suffer from the effects of ADHD without ever getting the kind of help they need to overcome the disorder. Instead, adults with ADHD continue to struggle with functional limitations that can make it extremely difficult to find and retain a job.

The resulting problems may include the inability to follow instructions and rules, inconsistent work performance, absenteeism, poor time management and organization on the job, and problems accepting supervision.

"There is some disagreement about whether or not ADHD is a true disability," Koller said. "And because of the lack of clarity regarding the nature of ADHD, there is also disagreement about the best ways to deal with it. Usually, kids with ADHD are sent to their school counselors, but there are no good methods of addressing the problem in adults. And this is very unfortunate because ADHD impacts all parts of individuals' lives."

"Quite honestly, we are struggling with how to identify ways to help persons with a suspected attention deficit disorder. We are looking for MU to aid us in identifying those factors that define

ADHD in order for our staff to be able to develop strategies to help the person be successful in the workplace," said Steve Wooderson, coordinator of program services at the Missouri Division of Vocational Rehabilitation.

Koller plans to assess individuals who exhibit such problems and then assist them in pinpointing careers that may suit their abilities and interests. Part of this process will involve "job shadowing" opportunities in which the individual will be paired with an MU employee to determine exactly what strategies may be

needed for successful job placement in that field.

While offering this practical assistance to individuals, Koller and a team of MU researchers, including those in psychiatry, health related professions, vocational rehabilitation, counseling

psychology and education, will study and develop new procedures to measure the degree and severity of adult ADHD. The team also will work together to identify methods for overcoming the educational and vocational problems associated with adult ADHD.

The project is believed to be the first of its kind in the nation and Koller anticipates that it will become a state and national model in identifying the degree of the problem and exploring various treatment strategies. New information about the diagnosis and treatment of adult ADHD will be provided to vocational rehabilitation counselors and others who offer related services.

An extension of Koller's previous work with individuals who have specific learning disabilities, the project will be housed in the College of Education's department of educational and counseling psychology Assessment and Consultation Clinic, which Koller directs. Clients, who are referred by health-care professionals, schools, counselors, social service workers or clergy, will begin arriving at the clinic this year for assessment and treatment.

Professor and chair of educational and counseling psychology, Michael Patton, stated that the grant is an important extension of the groundbreaking work Koller has been doing during the past several years, and is a reflection of the high regard in which he is held by his colleagues.

"Dr. Koller and his staff have proven in the past to be client-centered in their development of testing protocols and accommodation strategies. MU was selected by DVR due to that excellent reputation and their working relationship with our agency," said Wooderson.

The project is believed to be the first of its kind in the nation and James Koller anticipates that it will become a state and national model in identifying the degree of the problem and exploring various treatment strategies.

For all University of Missouri Faculty & Staff



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Race Relations in Higher Education: Where to Now?

A National Videoconference

Black Issues in Higher Education will sponsor a nationally broadcast videoconference on the state of race relations on America's college campuses. A panel of scholars, activists, and legal experts will discuss ways in which campus leaders can become more proactive in creating positive race relations on campus. Panelists will include:

- Christopher Edley, Jr.: Harvard Law Professor and Senior Advisor to President Clinton's Initiative on Race Relations
- Sumi Cho: Professor of Race, Racism and U.S. Law at De Paul University
- Dr. Juan Francisco Lara: Director of the Center for Educational Partnerships and Assistant Vice Chancellor, Enrollment Services, UC Irvine
- Dr. Katya Gibel Azoulay: Assistant Professor of Anthropology and chair of the Africana Studies Concentration at Grinnell College
- Dr. Stanley Fish: Professor of English and Law at Duke University

Wednesday, November 19

Noon - 2 p.m.

Mark Twain Ballroom, Memorial Union

**Post Broadcast Discussion will take place in
Memorial Union**

Sponsored by:

Black Culture Center, Office of Multicultural Affairs,
Office of the Vice Provost for Minority Affairs and Faculty Development,
Department of Student Life, Vice Chancellor for Student Affairs

Generating momentum

Generous new gifts boost business college's capital campaign fund drive.

A total of \$3.1 million in new gifts will boost the College of Business and Public Administration's capital campaign. They bring the campaign total raised to date to more than \$17 million. The gifts were announced at the college's ninth annual Herbert J. Davenport Society banquet Oct. 18.

A \$2.5 million gift was announced by Robert J. Trulaske Sr., who earned a bachelor's degree in business administration at MU in 1940 and is chief executive officer of True Manufacturing Company Inc., to establish an undergraduate scholarship program.

Robert M. Parks, a 1948 B&PA alumnus, and founder and chair of the board of Park Products Inc., presented the college with \$500,000 to help fund its graduate degree program. Employers

Reinsurance Corp. of Overland Park, Kan., gave \$100,000 to the college's Center for the Study of Organizational Change.

"We are extremely grateful for the generous gifts we receive from private donors," interim Chancellor Richard Wallace said. "Gifts like these generate the momentum that will put MU in the forefront of business education in our country."

The Trulaske gift will endow The Robert J. Trulaske Sr. Endowed Scholarship Program. For the first year of the program, 20 students will receive \$5,000-per-year stipends with the possibility of an increased number of annual recipients in the future. The gift will also fund a scholarship coordinator's position within the college. This donation represents the third largest gift for scholarships in B&PA's history.

Trulaske, a resident of St. Louis, graduated in 1940 with a degree in business administration. During his years at MU, he was active with the Savitar, Delta Sigma Pi and was appointed cadet colonel of the artillery in the R.O.T.C. He borrowed all his tuition from the University and worked for the rest of the money needed in summer and school jobs.

He was hired by Procter & Gamble and worked for them after graduation until he went into the service in 1942. After a wartime stint in Europe, he formed True Manufacturing in 1945. The company has become the world leader in manufacturing refrigerators for the soft drink industry and is the leading U.S. manufacturer of refrigerators and freezers for the restaurant industry. He is CEO of the company in partnership with his two sons, Rob and Steve.

Parks' donation will be used to fund the Robert M. Parks Center for Graduate Studies in Business, which will be located in the proposed new B&PA building, Cornell Hall. Parks, of Hollywood, Calif., was a resident of Nevada, Mo., while he was a student at MU.

He earned a bachelor's degree in business administration, and later earned a master's degree in business administration from the Harvard University Graduate Business School. While attending MU, Parks was a member of Sigma Chi Fraternity; president of the student athletic support group, Tiger Claws; a member of the business honorary society, Delta Sigma Pi; and was the student body representative on the University athletic

board. A long-time supporter of B&PA, Parks has served under three deans on the advisory council.

The \$100,000 gift from Employers Reinsurance Corp. will create the Organizational Change Endowment to support the Center for the Study of Organizational Change's activities. ERC is a founding member of the center and its first corporate sponsor.

ERC was established in 1914 and has become one of the largest reinsurance companies in the world. It operates globally through 40 offices generating \$7 billion of business. The corporation has 2,500 employees working in 17 countries. ERC is a subsidiary of GE Capital Services, a wholly-owned subsidiary of General Electric Co.

"Nothing has been more instrumental to the strengthening of the College of Business and Public Administration during the 1990s than private-public partnerships, which these gifts exemplify," said Bruce Walker, dean of the College of Business and Public Administration. "Financial support from individuals and corporations assures a top-quality education for our students and allows the college to create innovative new programs such as the Center for the Study of Organizational Change."

MU's 'LOT' program has a lot to offer

Lange Middle School teacher David Bones was searching for something special to help teach his seventh grade science class about the brain, so he called the one person he knew he could count on — James Schadt, associate professor of veterinary biomedical sciences.

"I told him that it would be fun for the students to have actual lab specimens to look at and he made a call to the College of Veterinary Medicine," Bones said. "He was gracious and very helpful."

Bones, along with 15 other Columbia Public School teachers, met Schadt at a workshop last August sponsored by MU's American Physiological Society Local Outreach Team (LOT). The American Physiological Society (APS) selected MU as one of eight institutions nationwide to receive a 1997-98 outreach team. MU's nine-member team, including Schadt, is made up of faculty from MU and the Columbia Public School system.

"The LOT program is designed to improve the quality of science teaching in schools and to increase the public's science literacy level so those not associated with science can evaluate the news," Schadt said. "This is accomplished by bringing professors and researchers together with middle and high school teachers at professional development workshops, which are presented locally by each outreach team."

The MU LOT presented its first workshop last August. There, the team taught 16 Columbia Public School teachers, including Bones, two different experiments to bring back to their students this fall. "This program is unique because it not only provides teachers with experiments to do in class, but it also gives them all of the supplies they need to

pull the experiments off," Schadt said. "The teachers left the program with enough supplies for their classes to do the experiments at no cost to Columbia Public Schools."

But, Bones said that he left the workshop with much more than supplies. "I made contacts with people in the science field who work with science on a daily basis," he said. "It always helps me to see how what I'm teaching is used in the real world so I can get context and give broader examples to my students."


Schadt said middle and high school teachers like Bones could learn even more about current science research through APS funding used to help them work in the lab of a practicing scientist. He said they also could bring their students to tour research labs on the MU campus.



This low-cost program, which delivers several benefits for only \$5,120, is funded in part by an APS grant. Funds for the MU LOT also came from the National Science Foundation and from three different MU units, the Dalton Cardiovascular Research Center and the departments of physiology and veterinary biomedical sciences.

"The bottom line is that most of the people working are donating their time," Schadt said. The team is planning a follow-up workshop to be held this January on computers in teaching. Also, a workshop on cardiovascular exercises is in the works for August 1998.

Other institutions selected by APS to receive outreach teams in 1997-98 included the University of Illinois and the University of Wisconsin. The eight 1997-98 teams joined 11 teams that have delivered material to more than 200 science teachers nationwide in the past two years.



Don't throw it away.

Before you toss, crumple, ignore, or forget... think. Think about what you're wasting. Think about what you could  How

many  are still on when you leave your ? What do you do with your soda and beer cans? Where do you drive

your ? Could you have walked or instead taken your ? Do you turn off the  while you brush your teeth

or shave? Do you make **copies** on the back of a piece of paper? Be aware of your actions.  You can make a difference. At

 you can recycle everything from glass to cans to magazines. You may be asking,  How much will it cost me? Recycling will

cost you nothing.  Not a dime. What it will cost the **future** if you don't? You can make a  of difference

by using your resources wisely and disposing of  products and materials properly. There is a  located in the park-

ing lot across from Hitt Street Market and blue and green barrels on campus for office paper, newspapers and magazines — Use them.

WASTE IS A UNIVERSAL PROBLEM.  YOU ARE THE LOCAL SOLUTION.

NATIONAL RECYCLING DAY - NOVEMBER 15, 1997

This very important message is brought to you by the MU Recycling Committee. For more information, call 882-5051.

CALENDAR

Send calendar items by Campus Mail to
Mizzou Weekly Calendar, 407 Reynolds Center,
 by noon Thursday the week before publication.
 Events are free and open to the public unless otherwise noted.

Concerts & Plays

Thursday, November 13

THEATER SERIES: The Department of Theatre will present *The Beekeeper's Daughter* through November 15 at 8 p.m. and November 16 at 2 p.m. in Corner Playhouse. For ticket information, call 882-PLAY.

Friday, November 14

GUEST CONCERT: Mexican marimba quartet Marimba Yajalon will perform at 7 p.m. at Waters Auditorium in Waters Hall.
FACULTY RECITAL: Violinist Eva Szekely and pianist Daniel Schene will perform at 8 p.m. in Whitmore Recital Hall.

Saturday, November 15

MARCHING MIZZOU REVIEW: Come see Marching Mizzou perform traditional MU songs and half-time highlights in concert one hour and 15 minutes before each home game at Memorial Stadium, at the northwest corner of Providence and Stadium.
UNIVERSITY CONCERT SERIES: The Susan Marshall Company will perform *Les Enfants Terribles*, part of an operatic trilogy based on the works of Jean Cocteau, at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

SENIOR TROMBONE RECITAL: Seth Merenbloom will perform at 8:30 p.m. in Whitmore Recital Hall.

Sunday, November 16

OPERA WORKSHOP: The Show-Me Opera's annual fall scenes program will be performed at 3 p.m. in Whitmore Recital Hall. A \$3 donation is suggested.
STUDENT RECITAL: The Buder Brass Quintet will perform at 7 p.m. in Whitmore Recital Hall.

Monday, November 17

OPERA WORKSHOP: The Show-Me Opera's annual fall scenes program will be performed at 8 p.m. in Whitmore Recital Hall. A \$3 donation is suggested.
UNIVERSITY BAND SERIES: The Jazz Ensemble, Jazz II and special guest Ram Oren, principal trumpet with the Israel Philharmonic Orchestra, will perform at 8 p.m. in Missouri Theatre. Cost: \$5.

Tuesday, November 18

STUDENT RECITALS: All recitals are in the Whitmore Recital Hall.
 •The percussion area student recital will be performed at 2:40 p.m.
 •Soprano Jena Vieira will perform at 5 p.m.
 •Christopher Jewell will perform on bassoon at 7 p.m.
UNIVERSITY BAND SERIES: The University Band and Concert Band will perform at 8 p.m. in the Missouri Theatre. Cost: \$5.

Wednesday, November 19

UNIVERSITY BAND SERIES: The Symphonic Wind Ensemble with special guest Ram Oren, principal trumpet with the Israel Philharmonic Orchestra, will perform at 8 p.m. in the Missouri Theatre. Cost: \$5.

Thursday, November 20

UNIVERSITY BAND SERIES: The Symphonic Band and Jazz III will perform at 8 p.m. in the Missouri Theatre. Cost: \$5.

Conferences

Friday and Saturday, November 21-22

PREOPERATIVE NURSING CONFERENCE: The 1997 Midwest Regional Nursing Conference will take place from 6:30-8:30 p.m. at the Ramada Inn. For registration and cost information, call 882-0215.

Courses

Thursday, November 13

CONTINUOUS QUALITY IMPROVEMENT: Joleen Finders, training and development coordinator, will present "CQI Team Work" from 8 a.m.-4 p.m. in N208 Memorial Union. Call 882-2603 to register.

HUMAN RESOURCE SERVICES: Wendy Dampier, coordinator of the retired and separated employee program, will present session two of "Retirement Planning" from 9:30 a.m.-4 p.m. in 146 Heinkel Building. Call 882-2603 to register.

Friday, November 14

CONTINUOUS QUALITY IMPROVEMENT: Joleen Finders, training and development coordinator, will present "CQI Team Work" from 8 a.m.-4 p.m. in N208 Memorial Union. Call 882-2603 to register.

HUMAN RESOURCE SERVICES: Teri Holmstrom will present "Becoming an Outstanding Assistant" from 9 a.m.-4 p.m. in N201-202 Memorial Union. Call 882-2603 to register.

Saturday, November 15

HOME BUYERS COURSE: University Outreach and Extension is sponsoring a two-session course for first-time home buyers titled "Home Ownership Made Easier." Using interactive television, the course will be offered at 13 locations around Missouri, including MU's Academic Support Center. The first session will be from 9 a.m.-1 p.m. today. The second session will be held during the same hours Nov. 22. Cost: \$40. To register, or with questions, call 660-263-3534.

WOMEN'S CENTER WORKSHOP: Law student Le Anne Wiseman will present "Women, Children and the Legal System" from 10 a.m.-noon at 229 Brady Commons. Call 882-6621 to register.

Tuesday, November 18

CONTINUOUS QUALITY IMPROVEMENT: Joleen Finders, training and development coordinator, will present "Getting Started in CQI" from 8 a.m.-4 p.m. in S110 Memorial Union. Call 882-2603 to register.

Wednesday, November 19

NEW EMPLOYEE ORIENTATION: Session is open to all benefits-eligible employees from 1:30-5 p.m. in S203 Memorial Union.

Exhibits

ART FOR LIFE: The exhibit features works by faculty of the MSA/GPC Craft Studio in book arts, clay, glass and photography through Jan. 5, 1998 in the lobbies of University Hospital and Clinics and Ellis

Fischel Cancer Center.

MUSEUM OF ANTHROPOLOGY:

"Photography by Eldon Leiter: Ancient Maya Art and Architecture" is on display. The museum's exhibits focus on Native American cultures and the history and prehistory of Missouri. The museum, located in 100 Swallow Hall, is open from 9 a.m.-4 p.m. weekdays and 10 a.m.-3 p.m. Saturday.

MUSEUM OF ART AND ARCHAEOLOGY

Special exhibits:
 •"Commitment: Fatherhood in Black America" will be on display beginning October 18
 Ongoing exhibits:
 •"The Saul and Gladys Weinberg Gallery of Ancient Art"
 •"Early Christian and Byzantine Gallery"
 •"European and American Gallery"
 •"Tradition and Innovation in the Twentieth Century"
 •"Expressions of Africa"

The museum, located in Pickard Hall, is open from 9 a.m.-5 p.m. Tuesday-Friday, 6-9 p.m. Thursday and noon-5 p.m. Saturday and Sunday.

MSA/GPC CRAFT STUDIO GALLERY

•Paintings by Travis McElhany will be on display November 17-December 11 at the gallery in Brady Commons.

ELLIS LIBRARY SPECIAL COLLECTIONS

•"Pioneer Polar Explorations," an exhibition of the book collection of Robert Spier, will be on display from 8 a.m.-9:30 p.m. Monday-Thursday, 8 a.m.-5 p.m. Friday and noon-5 p.m. Saturday and Sunday through December 15.

STATE HISTORICAL SOCIETY

•Paintings by the late Lawrence McKinin, an MU art faculty member from 1948-1979, is on display in the gallery through December. The gallery is open weekdays from 8:30 a.m.-4:30 p.m.

•Paintings, prints and drawings from the society's Contemporary Missouri Artists Collection is on display in the north-south corridor through December. The exhibit is of artists who have worked in Missouri or have Missouri as their subject.

•"Decades: 1887 to 1977, Editorial Cartoons" is on display through December in the east-west corridor.

The corridors are open weekdays from 8 a.m.-4:30 p.m. and 9 a.m.-4:30 p.m. Saturday.

MU ARCHIVES

•"Tip Your Hats, Boys," an exhibit celebrating the 75th anniversary of the building of Memorial Union tower, is on display in the south wing lobby of Memorial Union through Dec. 22.

•"Learn by Doing," an exhibit on agricultural clubs for Missouri girls, is on display in the seventh floor lobby of Lewis Hall through Nov. 28.

•"Memorial Union 75th Anniversary Exhibit," an expanded version of "Tip Your Hat, Boys" and "Getting Physical," an exhibit of women's athletics at MU, is on display online at <http://www.missouri.edu/~archwww/news&ex.html>

Films

Friday, November 14

INTERNATIONAL CENTER FILM: *La Dolce Vita (Part II)* will be shown at noon in N52 Memorial Union. Free to the public.

Friday and Saturday, November 14 and 15

MSA/GPC FILM SERIES: *Cemetery Man* will be shown at 7 and 9:30 p.m. in Memorial Union Auditorium. Cost: \$2 in advance and \$2.50 at the door.

Monday, November 17

WOMEN'S CENTER FILM: *In Danku the Soup is Sweeter* will be shown at 12:40 p.m. in 229 Brady Commons.

Wednesday, November 19

MSA/GPC FILM SERIES: *Citizen Kane* will be shown at 8 p.m. in Memorial Union Auditorium. Free with University ID.

Lectures

Thursday, November 13

CAMPUS WRITING PROGRAM: Marsha Lyon, graduate student and expressive media instructor, will present a brown-bag lecture titled "Writing and Multimedia: A Symbiotic Relationship" at 12:45 p.m. in 325 General Classroom Building.

INSTRUCTIONAL TECHNOLOGY

SEMINAR: A satellite course titled "Putting Your Course Online: A How-To For Faculty" will be offered at 2 p.m. in 20 Academic Support Center.

NUTRITIONAL SCIENCES SEMINAR:

Jonathan Gitlin, professor of immunology and rheumatology at Washington University, will present "The Copper Chaperones and Human Disease" at 3:40 p.m. in 209 Gwynn Hall.

CHEMICAL ENGINEERING SEMINAR:

Qingsong Yi, graduate student in chemical engineering, will present "Internal Stresses in Plasma Polymer Films" at 3:40 p.m. in W0009 Engineering Building East.

WOMEN'S CENTER PROGRAM:

Peer educators and Counseling Center staff will present "Feeling Burned Out?" at 4 p.m. in 229 Brady Commons.

ENVIRONMENTAL ENGINEERING

SEMINAR: Lee Tharp, president of Midwest Environmental Consultants, will present "Component Design of Sanitary Landfills" at 7:30 p.m. in S203 Memorial Union.

Friday, November 14

CHEMISTRY COLLOQUIUM: Linda McGown of Duke University will present "Four-Decay Detection for DNA Sequencing" at 3:40 p.m. in 103 Schlundt Hall.

GEOLOGICAL SCIENCES

COLLOQUIUM: Virginia Sisson of Rice University will present "Consequences of Elcene Ridge Subduction on the Southern Alaskan Margin" at 3:40 p.m. in 108 Geological Sciences Building.

SPANISH LITERATURE LECTURE:

Margaret Sayers Peden, professor emerita of Spanish, will present "Sor Juana in Her Work" at 4 p.m. in 7 Hulston Hall.

Monday, November 17

JOURNALISM SEMINAR: Zoe Smith, chair of the news-editorial department, will present "Ideas for Publishing Professional and Teaching Work" at a brown-bag seminar from 12:40-1:30 p.m. in Tucker Forum in Gannett Hall.

SOIL AND WATER RESOURCES

SEMINAR: Carol Wicks, assistant professor of geology, will present "Springs of Missouri" at 3:40 p.m. in 133 Mumford Hall.

BIOCHEMISTRY SEMINAR:

Shelley Berger from Wistar University will present "Function and Regulation of Histone Acetylation Activity By Yeast and Human GCN5" at 3:40 p.m. in S255 Nursing School Building.

ARCHAEOLOGY LECTURE:

Paul Rehak will present "Matriarchy, Medicine and Myth in Prehistoric Aegean Art" at a lecture sponsored by the Archaeological Institute of America at 8 p.m. in 106 Pickard Hall. There will be a reception at 7:30 p.m. in the Cast Gallery.

Tuesday, November 18

PHARMACOLOGY SEMINAR: Chris Hardin, assistant professor of physiology, will present "Metabolic Intervention During Vascular and Cardiac Hypoxia" at 11:50 a.m. in M558 Medical Sciences Building.

BIOLOGICAL SCIENCES SEMINAR: Ralph Bertrand of Colorado College will present "Morphogenetic Analysis of the Zebra-Stripe Mutants in Maize" at 3:40 p.m. in 18 Tucker Hall.

What Happened in the 20th Century: What Can We Expect in the 21st?" at 7 p.m. in the Cosmopolitan Community Center, 1715 Burlington St. Reservations are requested: call 882-2273.

Wednesday, November 19
MIDDAY GALLERY EVENT: Marcus Rautman, associate professor of art history and archaeology, will present "The Thomas Hickman House; Tradition and Style on the Missouri Frontier" at 12:15 p.m. in the Museum of Art and Archaeology.
WOMEN'S CENTER PROGRAM: Beth Gershuny, graduate student in clinical psychology, will present "Female Sexuality" at 7 p.m. in 229 Brady Commons.
WOMEN STUDIES COLLOQUIUM: Geta LeSeur, associate professor of women studies and English, will present "When the Revolution Ends: Black Women in the New South Africa" at 7 p.m. in 110 Lee Hills Hall.

Friday, November 21
CHEMISTRY COLLOQUIUM: Daniel Comins of North Carolina State University will present "Chiral Dihydropyridones as Intermediates for Alkaloid Synthesis" at 3:40 p.m. in 103 Schlundt Hall.
GEOLOGICAL SCIENCES COLLOQUIUM: John Encarnacion of St. Louis University will present "The Karoo-Ferral Flood Basalt Province and the Breakup of Gondwana" at 3:40 p.m. in 108 Geological Sciences Building.

Meetings

Thursday, November 13
STAFF ADVISORY COUNCIL: Group meets at 1:15 p.m. in S206 Memorial Union.

Thursday, November 20
FACULTY COUNCIL: Group meets at 3:40 p.m. in S110 Memorial Union.

Special Events

Thursday, November 13
MUSEUM FAMILY EVENT: A flashlight tour, "The Magic of Masks," will be held from 6:30-7:30 p.m. in the Museum of Art and Archaeology. Call 882-3591 for more information.

Friday, November 14
FOOTBALL LUNCHEON: Coach Larry Smith will discuss the Tigers' season at a lunch for faculty, staff and retirees at noon in the Tiger Lounge at Memorial Stadium. Cost: \$5. Reservations are required by November 11. Call 882-2076.

Thursday, November 20
ENVIRONMENTAL SEMINAR: Xihui Zhang, post doctoral fellow in chemical engineering, will present "A Self-Organizing Model on Cometabolic Biodegradation of Chlorinated Solvents" at 10:40 a.m. in E3511 Engineering Building East.
NUTRITIONAL SCIENCES SEMINAR: Richard Dowdy, associate professor of food science and human nutrition, will present "Magnesium and Aging" at 3:40 p.m. in 209 Gwynn Hall.
PEACEWORKS LECTURE: Patrick Akinbola, a Nigerian human rights activist, will give a presentation and screen a new documentary titled "In Remembrance of Ken Sara Wiwa" about a Nigerian opposition leader who was executed by that country's military government at 7 p.m. in 110 Lee Hills Hall.
DIABETES LECTURE: Fred Whitehouse, professor of medicine at Case Western Reserve University, will present "Diabetes:

Tuesday, November 18
STUDENT DINNER SERIES: Hotel and restaurant management students will plan, prepare and serve a gourmet meal at the University Club in the Reynolds Alumni Center. Cost: \$12-\$17.50. For reservations, or with questions, call 884-1828.

Wednesday, November 19
WOMEN'S VOLLEYBALL: Cheer on the women's volleyball team in their last home game of the season against Iowa State at 7:30 p.m. at the Hearnes Center. Admission is free for all faculty and staff with an ID, or tickets are available through campus departments.

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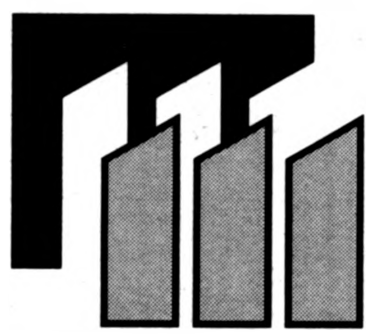
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High-flying food

Diet is crucial in space says NASA nutritionist.

Man cannot live on Tang alone. Astronauts' diets are light years ahead of 1960s squeeze-tube technology, according to the leading nutrition scientist for the U.S. space program.

Scott Smith, research nutritionist at NASA Johnson Space Center, spoke on "Nutrition in Space" recently as part of the Food for the 21st Century nutrition science seminar series. Smith also conducted a seminar on "Nutrition Science in Space, Russia and Other Exotic Places" at the MU Medical Sciences building. Dale Brigham, assistant professor of nutrition and fitness, introduced Smith as the scientist "in charge of all human research studies aboard the Mir space station."

Smith emphasized "the integrated role nutrition plays" in the exploration of space. What astronauts and cosmonauts eat and drink, he said, must do more than meet the minimum adult daily requirements. It also plays a tremendous "psycho-social role" and acts to offset the effects of weightlessness and other conditions of space flight.

"We've found that mealtimes are critical for their morale and overall well-being," Smith said. "They'd rather have a real meal than those things like you see on 'The Jetsons,' where a little pill would give you all the nutrition you need all day." On board the Mir, where Russians and Americans live side by side for months, astronauts of all nationalities can "expect to eat borscht at least once a week," Smith said.

Astronauts on the Skylab missions ate better than most of the shuttle astronauts, he said, largely because the shuttle pilots rely more on dried foods, while the

Scott Smith has run tests on a number of subjects who volunteered to spend extended periods in a closed chamber that in many ways resembles a spacecraft. With this information and a renewed emphasis on nutrition research during actual flights, Smith hopes to determine within the next six or seven years whether it is possible to send humans to Mars.

Skylab had more refrigerated goods. "There was a better variety. It was more like home," Smith said. "Unfortunately, the refrigerators and freezers are always the first thing they throw out when they have money problems."

Nutrition research in space is difficult, Smith acknowledged, because so few people have been on space flights. "Getting an adequate number of subjects is very difficult." Also, he said, "measuring body weight during space flight is not an easy thing," requiring a special, spring-driven contraption that looks like a weightlifting machine. Still, some findings are undeniable and troubling.

Every space traveler experiences a loss

of bone mass, Smith said. Instead of being absorbed in the bones, much of the calcium ingested in space is excreted in the urine. The data show that on average, an astronaut loses 253 milligrams a day of bone during space flight, or about 1 percent of bone mass per month.

"Apply that math to a five-year mission to Mars," Smith said. "Bone loss is the single biggest physiological problem with a mission to Mars."

Another phenomenon of space travel is a loss in red blood cell mass, he said. In a weightless state, the blood is pumped easily into the extremities. "The body senses it doesn't need all this blood" and adapts accordingly, he said. When the astronauts return to Earth's gravity, "the blood doesn't get to the brain very easily, and they faint when they stand."

Weightlessness also can lead to dehydration, Smith said, because fluids in the body aren't pulled into the lower extremities by gravity. The body senses too much fluid in the upper extremities and acts to get rid of it. This factor adds to the risk of renal stones during space travel.

Because of the lack of sunlight in spacecraft, astronauts need to supplement their diets with vitamin D. Also, radiation exposure is elevated in space, and antioxidants are helpful in combating its effects.

Recently, Smith has run tests on a number of subjects who volunteered to spend extended periods in a closed chamber that in many ways resembles a spacecraft. With this information and a renewed emphasis on nutrition research during actual flights, Smith hopes to determine within the next six or seven years whether it is possible to send humans to Mars.

Some data, however, Smith will have to do without. "The Skylab astronauts collected and brought back all their feces," he said. "That'll never happen again. I promise you."

Classifieds

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MISCELLANEOUS

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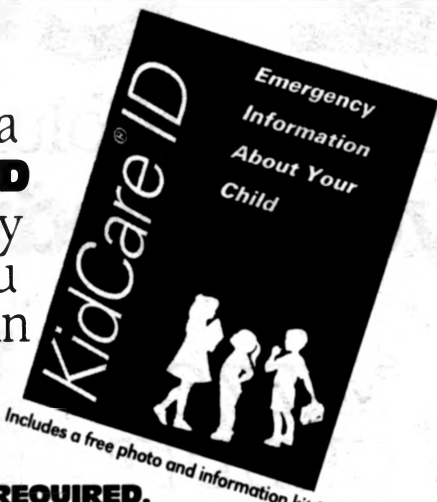
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Goal oriented

Heartland's alliance exceeds goal for minority participation.

Two years ago, HAMP, the Heartland's Alliance for Minority Participation, was charged by the National Science Foundation with increasing the number of underrepresented students in science, mathematics, engineering and technology (SMET). Not only have they succeeded in their first two years of the program, but HAMP has far surpassed the lofty goals set and is still going strong.

"We are very excited about HAMP's start and are looking forward to continuing this strong commitment," said Charles Sampson, interim graduate dean and HAMP project director. "HAMP was charged with creating a 15 percent increase per year in the number of undergraduate, underrepresented students and a 50 percent increase in graduate students graduating in the SMET disciplines over five years. In the first two years, we nearly doubled the projected goal in undergraduates and exceeded the five-year goal for graduate students."

The goals were based on the number of students graduating in 1995. In 1995, HAMP institutions graduated 137 underrepresented students. That set the next year's goal at 158, but HAMP exceeded that goal by 28 percent, graduating 203 students. Following the original project, HAMP beat the 1997 goal by 40 percent, graduating 255 underrepresented students. Overall, HAMP increased the number of

undergraduate degree production by 86 percent in just two years. In addition, HAMP already has exceeded the five-year goal for graduate degree production in both 1996 and 1997.

With grants from the National Science Foundation, matching grants from 10 Missouri institutions and from corporate donors, the project has a five-year budget of more than \$12.7 million. Participants of HAMP include: Central Missouri State University; Lincoln University; Southwest Missouri State University; St. Louis Community College; the four University of Missouri campuses at Columbia, Kansas City, Rolla and St. Louis; Southeast Missouri State University; the Metropolitan Community Colleges; and the University of Missouri System.

"With the support and generous help that we have had from the institutions, the NSF and our corporate sponsors, we have been able to really make a difference in many students' lives," said Richard Presberry, project coordinator for HAMP on the MU campus. "It is our duty to now continue the strong tradition we have established and push for these high standards that we have seen in the first two years."

HAMP is removing the barriers that prevent underrepresented students from pursuing SMET careers through programs that collaborate with families, community organizations, schools and corporations. HAMP is a branch of the Alliance for Minority Participation, a national initiative dedicated to recruiting underrepresented students and increasing the number of students enrolling and graduating with degrees in SMET academic disciplines.

MU appoints interim graduate school dean

Charles Sampson has been named interim dean of the Graduate School, Provost Edward Sheridan announced Nov. 7. Sampson will begin in the interim post immediately.

From 1988 until 1993, Sampson was associate dean for fellowships and minority student affairs in the Graduate School. Since 1993, Sampson has served as associate dean. His appointment to interim dean marks a shift from one person serving in the capacity of both dean of the Graduate School and vice provost for research. Recently, Jack O. Burns was named vice provost for research. John McCormick, who formerly held both positions on an interim basis, has returned to his position as professor of chemistry.

"Graduate education is a priority at any Research I university," Sheridan said. "At the same time, graduate education only thrives when departments, chairs, deans and the entire institution devote energy and resources to make it superb. The appointment of a dean to lead this initiative parallels the significance given to developing leadership in research."

"I am pleased to serve in this vital capacity, particularly during this challenging transitional period," Sampson said. A search for a permanent dean of the Graduate School will begin soon.

As interim dean, some of Sampson's duties include: coordinating various recruiting activities; monitoring activities

concerned with graduate student applications, admissions, academic progress and graduation; working to develop and review degree programs; serving as principal investigator for grant-supported proposals and initiatives; and informing students and the public about MU graduate degree programs and financial assistance.

Prior to his career at MU, Sampson taught at Clark County Community College in Las Vegas and in the urban management program at the Graduate School of Public and International Affairs at the University of Pittsburgh. He was acting director at the Center for Urban and Public Affairs for joint programs with the University of Tennessee, Middle Tennessee State University and Tennessee State University. Sampson eventually became chair of the department of government and public affairs at Tennessee State University, where he served for five years.

Sampson then went to the University of Illinois-Springfield, where he served in several capacities: associate professor of public administration; chair of that same program; and associate to the president. After two years in that position, Sampson came to MU as a faculty member in public administration and political science, and associate dean of fellowships and minority student affairs.

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On the rebound

MU study tracks otter resurgence.

Missouri's playful river otter, which once numbered less than 100, has made a comeback and now has a population of about 8,000, double the earlier estimates from the Missouri Department of Conservation.

The revised estimate is based on a new study that indicates otters in Missouri have larger litters than was first believed, said MU graduate student Elsa Gallagher. Her study is being used to determine whether the state's otter population can support regulated trapping seasons, the first of which was last year.

An avid naturalist, Gallagher was named for Elsa, the lioness in "Born Free." She has contributed to studies of the Indiana bat and quails in Missouri. Her otter population research is sponsored by the conservation department.

Female otters can breed again within two weeks after giving birth, Gallagher said, but the fertilized eggs, or blastocysts, do not implant in the uterus for several months. By flushing out the reproductive systems of harvested female otters, researchers can count the number of blastocysts that would have resulted in otter pups.

"Otters have between two and four pups a year. From our data so far, the average in Missouri is 3.2, which is higher than was previously thought," she said, adding that the blastocyst count can be relied upon because "there's very low intrauterine mortality in otters. Actually, the technique we used was kind of conservative."

In addition, otters in Missouri are breeding at a younger age than expected. "Forty percent of the otters are breeding at one-year-old when it was thought they would not breed until age two or three," said David Hamilton, Department of Conservation wildlife biologist directing the study.

"We have lots of otters. In the Ozarks area of the state some fishermen are mad because otters are impacting the game fish populations," he said. Hamilton said there are no plans to expand the otter-trapping season that runs from November 20 through January 20.

The Department of Conservation released 845 otters into Missouri watersheds between 1982 and 1992. Several dozen of the animals were equipped with radio telemetry monitors, through which researchers tracked their daily movements and their mortality rate. Whenever a monitor showed no movement, researchers would find the body and determine the cause of death, Gallagher said.

Based on that study, the one-year survival rate was calculated at 81 percent, she said. The revised population estimate of 8,000 was figured by applying the projected reproductive rate from the sampled otters to the original 845 otters released in the state. The Missouri otter population dipped to an estimated 70 in 1935, decimated by over-harvesting.

In addition to counting blastocysts, Gallagher studies the waterways near 16 bridges before and after trapping season to

monitor effects on populations. "We go 300 meters up and down the stream from each side of a bridge to look for otters signs like scat, tracks or fish kill," she said.

"Most carnivores are difficult to census. This is a unique opportunity to implement techniques for monitoring a recently restored population," said Mary Ratnaswamy, natural resources assistant professor and Gallagher's faculty advisor. "Elsa has done a terrific job working with trappers and using scientific methods to make this project successful."

In winter otters feed on larger, slower fish such as catfish. In the summer they feed almost exclusively on crawfish. Otters are seldom territorial and often live in unrelated groups.

Otters have spread to all parts of the state. "During the harvest, we found otters everywhere. Ponds, ditches, everywhere there's water, we found otters." They are most common where there's a wide diversity of wetland habitat like swampy areas along the Mississippi River or around Swan Lake, she said.

"They appear to be friendly, playful, mischievous creatures," she said. "But they are very good hunters, very quick and good at what they do." They also have no natural predators.

Gallagher said that last year's harvest was 1,054 otters. Each pelt must be tagged before it is sold. "When the trappers brought in the pelts, they reported that two-thirds of these otters were trapped in beaver or raccoon traps, so most of them would have been trapped anyway," she said. Otter pelts brought an average of \$38 in Missouri last year.

RETIREES ASSOCIATION

The MU Retirees Association will hold its annual holiday luncheon from 11 a.m. to 2 p.m. Thursday, Dec. 11 in Columns Rooms 1 and 2 of the Reynolds Alumni and Visitors Center. Registration details will be in the association's November newsletter. The luncheon features a traditional holiday gift drawing, and the program committee is seeking items for the drawing. Anyone who would like to contribute gift items of their own, or someone else's creation, or know of someone who would like to contribute to the gift drawing, should contact Larry Morehouse at 442-7069.

The association's personal finance group has two upcoming meetings. On Nov. 24, the speaker will be Michael Kateman, director of MU's Graham Center for Gifts and Endowments. The speaker for the Dec. 8 meeting will be Bob Almony, assistant director of MU Libraries, who will make a presentation on the new tax laws. Both meetings will be held at 10 a.m. in S207 Memorial Union.

This semester's elderhostel-travelogue series will conclude with a talk by Adolph Schroeder, professor emeritus of German, on "Criss-Crossing Germany — Off the Beaten Path," at 10 a.m. Dec. 1 in S204 Memorial Union.

FOR THE RECORD

Bring out the best of Mizzou by nominating a faculty member or an alumnus for the MU Alumni Association's Faculty/Alumni Awards. The alumni association is now accepting nominations for the 1998 Faculty/Alumni Awards, the Distinguished Service Award and the Distinguished Faculty Award.

Nominations are available in the Alumni Relations office, 123 Reynolds Alumni and Visitor Center, or by calling 882-6613. The forms list past awardees to give an idea of the caliber of former winners. The deadline for nominations is Feb. 2, 1998, and the award ceremony will be Oct. 2.

Many distinguished faculty at MU deserve consideration for the 1998 faculty awards, and deadlines for nominations are approaching:

- The deadline is Dec. 1 for pre-nominations for the Chancellor's Award for Outstanding Research and Creative Activity and also for the President's Award for Research and Creativity (an intercampus competition).
- The deadline is Dec. 1 to nominate individuals for the Thomas Jefferson Award and the Presidential Award for Outstanding Teaching. Both awards are intercampus competitions.
- The deadline is Jan. 16, 1998 for nominations for Curators' Professorships and Distinguished Teaching Professorships. Both awards require approval by the Board of Curators.
- The deadline is Jan. 16, 1998 for nominations for the following awards: the Byler Distinguished Professor Award, the William T. Kemper Fellowships for Teaching Excellence, the Provost Award for Creative Extension Programming by New Faculty, the Provost Award for Outstanding Achievement in Extension and Continuing Education, the Provost Outstanding Junior Faculty Teaching Award, the Provost Award for Leadership in International Education, and the Maxine Christopher Shutz Award and Lecture for Distinguished Teaching.

Because of the similarity of some awards, questions regarding the most appropriate award for a particular nominee may arise. Individuals may be nominated for a second award, but in such cases nomination materials should be tailored for each award. Individuals may be renominated if they did not win the respective award last year, however the information in the nomination should be updated. With questions, contact Anna Baker at 882-6598.

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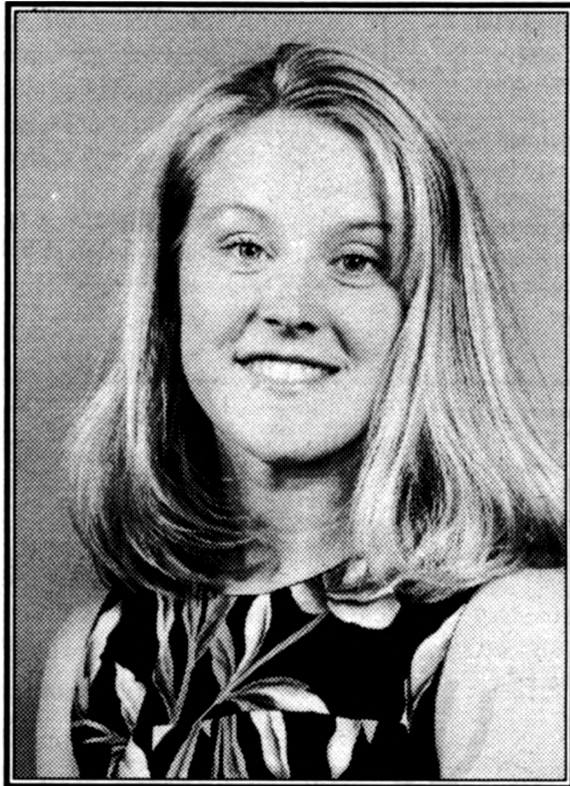
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Jill Aholt

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Rec Services director will start on Dec. 15

Diane Dahlmann will join the MU staff Dec. 15 as director of recreational services. In July, Dahlmann completed her 12th year as director of recreation services and university golf course at Illinois State University. During her time at ISU, she contributed to the opening of a student recreation center, supervised 324 student and full-time staff members, and managed an annual \$3 million budget.

"The appointment represents attaining a particular professional level that I set for myself when I started in this business 20 years ago," Dahlmann said. "This is a tremendous honor and I am thoroughly challenged and completely excited about this opportunity."

Dahlmann will bring 20 years of recreational service experience with her to MU, including eight years at St. Cloud State University in Minnesota where she was director of intramural and

recreational sports, and two years at State University of New York-College of Brockport where she was assistant coordinator of campus recreation and ice arena manager.

"MU is fortunate to find someone with Diane's experience and enthusiasm," said Charles Schroeder, vice chancellor for student affairs. "Her emphasis on quality services and developing a quality facility are attributes that we were looking for in a director. We're looking forward to the vision that she will bring to the recreational services at MU."

Dahlmann's primary responsibilities at MU will include fiscal planning and budgeting, management and marketing of facilities, and the supervision and development of the professional and student staff.

MU's department of recreational services includes 200,000 square feet of indoor campus recreation space and 55 acres of outdoor fields. The department, which has a \$2.2 million annual budget, hires 23 full-time employees and more than 300 student staff members.

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Campus Computing is moving

On **November 24-26, 1997** (the first part of Thanksgiving week), all of Campus Computing, Office of Library Systems, and UM Management Information Systems will be moving into the Locust Street Building (just north of the Heinkel Building, across Locust Street). During the move we will answer the phones as best we can, but delays are possible.

Repair Services moved to the new location last January and, since then, renovations to the rest of the building have been underway. As soon as we have a specific move schedule for the rest of the organization, we will let you know. Watch the *Mizzou Weekly* or the Campus Computing home page at <http://www.missouri.edu/cc/> for more details.

MIZZOU

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