

# MIZZOU

W E E K L Y

University of Missouri-Columbia Oct. 14, 1999

## INSIDE THE WEEKLY

Page 2: The University 1999 United Way campaign has reached 62 percent of its goal with \$244,437 in donations

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## Building bridges across Missouri

University's new public policy initiative aids state and community decision makers.

In every corner of the state, and from one end of campus to the other, work under way at the University is having a big impact on vital public policy issues that make a difference in the lives of every Missourian.

The list of policy research and outreach efforts is extensive: Agricultural experts work with the state's food and fiber producers to improve productivity and profitability. Health sciences faculty have a vital role in researching and building a health-care infrastructure for rural Missouri.

It doesn't stop there. Social work professors and students are providing up-to-date training for front-line social service workers who help nurture the most fragile sectors of our society. Mizzou educators are helping to reinvent public education. The list goes on and on.

Until now, much of that work has been done by individual faculty, research teams or programs. Now there's a new focus. After months of planning and discussion, the University has launched the new Missouri Institute of Public Policy.

The institute's goal is to provide a focal point for all the public policy work already going on at the University. It will help build a seamless relationship with state agencies, the legislature, county and local governments, and with individual communities.

"Let there be no mistake. This institute and the whole area of public policy is a high priority at our campus," says Chancellor Richard Wallace. "As a public institution, our first and foremost responsibility is to serve the people of this good state. Needs change over time, and if we're truly going to serve this state we have to focus our attention carefully and continuously. We've got to listen."

This past August, curators approved an administrative change in which faculty from the Department of Public Administration formed the academic core for a newly designated Graduate School of Public Affairs. That department is

See Public Policy on Page 4

## 'Marked for victory'

Great stories merit repeating, and the one about how Homecoming became a tradition at MU is no exception. Here goes.

Once upon a time in 1911, when the Tiger football team was in its 22nd season, a new conference ruling mandated all football games be played on college campuses. For the first time in history, the legendary Missouri-Kansas game would take place in Columbia.

Since 1891, the contenders had met either in Kansas City or St. Joseph, Mo., and University officials feared alumni and fans would not travel to Columbia. However, Chester Brewer, director of athletics, had a plan. To add some excitement to the already great rivalry, he issued a call to "come home" for the game and a celebration.

The response was overwhelming. More than 9,000 poured into Columbia Nov. 25, 1911, for the first Homecoming, complete with a parade, a rally and, of course, a great football game. The standing-room-only crowd at Rollins Field watched the Tigers tie the Jayhawks 3 to 3.

Thanks to Brewer's scheme 88 years ago, alumni and fans have continued to "come home" to witness the autumn ritual's excitement and pageantry, and to help MU's Homecoming become one of the nation's greatest celebrations.

This year will be no different, says Dale Wright, coordinator of

student and alumni programs for the MU Alumni Association. Wright has the responsibility of coordinating all Homecoming activities and serving as adviser to the Alumni Association Student Board.

Mizzou's Homecoming is the oldest and among the largest in the nation, and coordinating its activities is a major undertaking. Wright credits an outstanding group of student volunteers who start planning for the annual fall ritual as early as February.

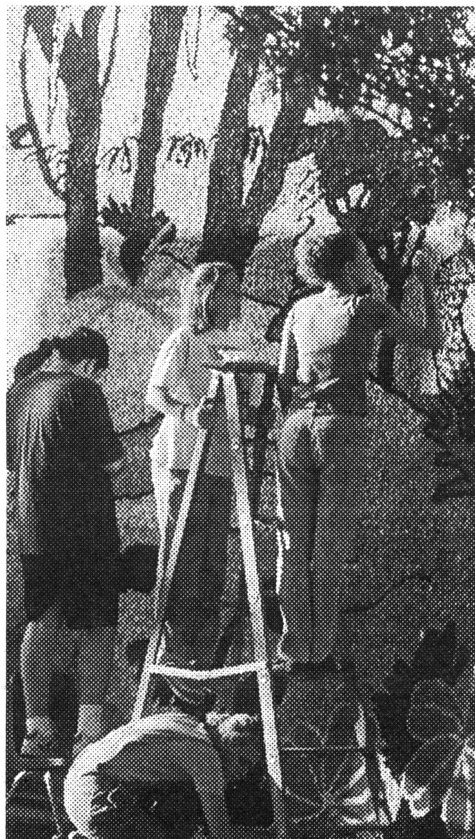
While a student at MU, Wright was a leader in numerous student organizations and a member of the 1997 Homecoming Steering Committee. Now he is its adviser. "The 33 students who make up the committee are some of the best and brightest at MU," he says.

"I came in June, at the halfway point, and most of this year's events had already been planned," Wright adds. "Overall I've been impressed with the enthusiasm of the students to make this the best Homecoming ever by getting more of the community, faculty and staff involved."

The committee's hard work for current and past efforts paid off when the Council for Advancement and Support of Education awarded the association and the University a 1999 Grand Gold Award for conducting the best Homecoming program in the land.

This year's festivities follow the theme "Marked for Victory." The theme invites students, alumni and community to make their mark on Homecoming '99. "We want everyone to get

Last year, house decs attracted an estimated crowd of 13,000. This year's event, free and open to all, will be from 6 to 10 p.m. Oct. 15 in Greektown.



Rob Hill photo

### A HOMECOMING MESSAGE FROM THE CHANCELLOR

Dear MU Colleagues,

One of the oldest and proudest traditions at MU is the annual Homecoming celebration that welcomes back numerous alumni and friends to the Mizzou campus. With thousands of people visiting for the football game, parade and other events, Homecoming generates an enormous amount of spirit and pride for our University.

One of the goals of the 1999 Homecoming steering committee is to augment this sense of Tiger spirit far beyond the shadows of the Columns and the sight of the Jesse Hall dome. This year's committee has worked with Mayor Darwin Hindman and the Chamber of Commerce to make October 15 an official Black and Gold Friday.

The goal is to instill a sense of spirit for the University in every Columbia business, school and government office. This will be accomplished, in part, by employers allowing their workers to dress casually and wear their black and gold clothing in support of the Tigers.

With the city planning to participate in this event, we invite our faculty and staff to showcase Tiger spirit also by wearing our colors on Oct. 15, the campus' official Black and Gold Friday, and to promote this new tradition in an appropriate manner.

If you have any questions or wish to share your ideas about generating Homecoming spirit, please call Homecoming advisor Dale Wright, coordinator of student and alumni programs, at 882-2634.

Sincerely,

*Richard L. Wallace*

Richard L. Wallace

involved," Wright says. For many people, the best part of Homecoming happens before the kickoff on Saturday. Since September, more than 500 students have donated about 4,000 service hours to organizations like The Wardrobe, Ronald McDonald House or to projects like Adopt-A-Spot.

Wright says he hopes the entire community will get involved in Homecoming '99. "The events are geared toward families and are open to everyone. Come out and support the students who have worked very, very hard to ensure everyone has the best time possible."

### Homecoming Weekend Highlights

#### Oct. 15

- ▶ Black and Gold Day, all Mizzou fans are encouraged to don MU's colors.
- ▶ Black Alumni Organization reception, 5 p.m., TP's Bar and Grill, 119 S. Seventh St.
- ▶ Campus Decorations, 6 p.m. Greektown
- ▶ Fireworks Display and Spirit Rally, 10 p.m., South Quad, followed by a miniparade to move the crowd to the Hearnes Center for Mizzou Madness, where fans will meet this year's basketball team and new coach, and watch the team's first official practice.

#### Oct. 16 Homecoming Day

- ▶ Parade, 8:30 a.m. near Reynolds Alumni and Visitor Center and moves north on Sixth Street, east on Broadway, south on Ninth Street, east on University Avenue, south on Hitt Street and west on Rollins Street to Maryland Avenue. Judges will review entries as they pass by Memorial Union.
- ▶ Black Alumni Organization Picnic, 11 a.m., Black Culture Center
- ▶ Talent Finals Competition, 11:30 a.m., Jesse Auditorium
- ▶ Tigertown Tailgate and Spirit Rally 3 p.m., Hearnes Fieldhouse. Call 1-888-292-6842 to make reservations.
- ▶ Black Alumni Organization Tailgate, 3 p.m. at Black Culture Center.
- ▶ Homecoming game vs. Iowa State, 6 p.m., Faurot Field.
- ▶ Student Union Programming Board Homecoming Dance, 9 p.m., Stotler Lounge, Memorial Union.

#### Oct. 17

- ▶ A Fall Family Frolic — the Boone County chapter's members-only event, 2-5 p.m., Perche Creek Miniature Golf. With questions and for directions, call Bill Moyes, Boone County Alumni Chapter, 446-5078.
- ▶ Homecoming Awards Ceremony, 4 p.m., steps of Jesse Hall.
  - ▶ Virtual Homecoming Web Page: [www.homecoming.mizzou.com](http://www.homecoming.mizzou.com)
  - ▶ Homecoming E-mail: [homecoming@mizzou.com](mailto:homecoming@mizzou.com)
  - ▶ Homecoming Local Phone Number: (573) 882-2634

**FINE ARTS  
RESIDENTIAL COLLEGE  
HONORS WELL-KNOWN  
ALUMNI**

Three floors or "houses" in McDavid Hall, MU's Fine Arts Residential College learning community, sport new names in honor of well-known alumni. Big-band jazz musician Jim Widner, AB '71, came to campus Oct. 13 for the dedication and renaming ceremony. Broadcast journalist Jim Lehrer, BJ '56, will arrive tomorrow.

Last spring, students living in McDavid had the opportunity to rename their three floors after extensive renovations to the building. Residents chose to name

the houses after alumni who exemplified personal and professional achievement in fine arts professions.

"Our Fine Arts Residential College students did a great job in selecting alumni who have distinguished themselves in arts-related fields," says Frankie Minor, director of residential life.

Widner's campus schedule included a question-and-answer session with students, a jazz bassist clinic and the dedication of Widner House. He leads The Jim Widner Big Band and has performed in concerts with Clark Terry, Louis Bellson and Bobby Shrew.

Print and broadcast journalist Jim Lehrer joined with Robert MacNeil to introduce *The MacNeil/Lehrer Report* in 1975. That program remains on air as *The NewsHour with Jim Lehrer*. In addition to the dedication of Lehrer House and a reception, Lehrer also will hold a question-and-answer session with students.

Mort Walker, AB '48, creator of the Beetle Bailey cartoon, will be on campus later this fall for the renaming and dedication of the residential college's third floor in his honor.

**BALANCING  
BIOTECHNOLOGY**

After 15 years of research and product development, biotechnology has taken the global agrifood industry by storm. In this country and elsewhere it has been adopted faster than any other agrifood technology on record. It has pushed global consolidation of the agrifood industry and has raised complex questions on food and environmental safety, international trade and other key issues.

Agricultural biotechnology will be the topic of the College of Agriculture, Food and Natural Resources Research Expo IX to be

held on campus Oct. 19 and 20. Roger Beachy, director of the Danforth Plant Science Center in St. Louis, will give the keynote address "Plant Biotechnology in the 21st Century" at 7:30 p.m. in the Memorial Union Auditorium. A reception begins at 7 p.m.

On Oct. 20, a panel of MU scientists will discuss how MU research contributes to the global debate on the economics and sociology of agrobiotechnology from 9:30-11:30 a.m. in N201/202 Memorial Union. Following a poster session from 12:30-3 p.m. in the Memorial Union's Stotler Lounge, 1998 research award winners will give presentations.

# Rebuilding lives

*The Red Cross is there when disaster strikes.*

**M**att Reiske has more than a few good reasons to thank the American Red Cross and the United Way — his wife, his two children and his parents. When a tornado ripped through their Columbia subdivision last fall, the Red Cross literally helped them pick up the pieces of their lives.

When the twister pounced at 2 a.m. Reiske, assistant director of engineering career services, was at a conference in Kansas City. His wife Renette and his two kids were asleep in their home, just off Nifong Boulevard in Southridge subdivision. Renette Reiske, a graphic designer with University Hospital's creative services department, didn't hear the sirens go off.

Then the house started to

shake. Windows started breaking. The roof blew off. Their six-foot privacy fence punched through the living room wall; a cedar tree crunched through the sliding glass doors and into the family room.

Renette called Matt from a neighbor's house at 4 a.m. to tell him that she and the kids were OK. Then the neighbor got on the line, he remembers. "She said, 'Matt you really don't have a house left.'"

His parents, who lived just down the street, also had their home destroyed.

As he rushed back to Columbia, he tuned into a local radio station for news coverage. "You come up with an image in your mind of what it's going to look like," Matt said, "and I wasn't even close. It looked worse than I thought."

Then came the long period of



**Matt and Renette Reiske had to rebuild their Columbia home from the ground up after it was ripped apart last fall by a tornado. Help from the Red Cross, a United Way agency, made their burden lighter.**

cleaning up and rebuilding. The Reiske family snatched any time they could to move their belongings into storage and into their temporary home. The kids' favorite stuffed animals even had to be discarded because they were peppered with glass slivers.

But as the Reiskes worked to salvage their remaining possessions, they discovered they had an ally — the Boone County chapter of the American Red Cross, a United Way agency. "At the end of the day you would be exhausted, and the Red Cross volunteers would come around with a food cart," Reiske remembers. "They were just so kind and gracious, we didn't expect all the help they offered."

After such natural disasters as tornadoes, floods or fires, the Red Cross is right on the scene providing emergency services. They provide food, cleaning supplies and personal items. They help families find temporary housing, provide rental and utility deposits. They can even provide vouchers for medications or eyeglasses lost in the disaster.

Reiske had given to the United Way for a number of years, but his experience last year convinced him that his contribution makes a big difference for a lot of people.

"You never think it's going to happen to you. It's definitely money well spent; it does go back into the community," Reiske says. "I would like to personally thank the Red Cross for everything they've done for my family. It does make a difference. Without support from the community the Red Cross wouldn't be able to do the good work that it does."



*Please join the  
Department of Residential Life  
At the  
University of Missouri-Columbia*

*For a Retirement Reception  
Honoring*

*Lloyd T. Benedict*

*For Service to the University  
May 1959 - September 1999*

*Reception to be held in the  
Great Room at the Alumni Center  
Wednesday, October 20, 1999  
1:30 p.m. - 3:30 p.m.*

**MIZZOU**  
WEEKLY

*Volume 21 Number 8*

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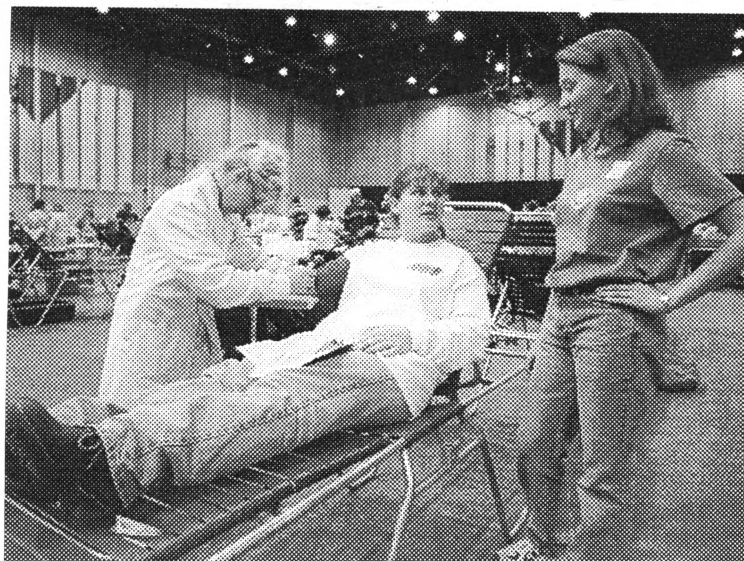
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## UNITED IN GIVING

The University's United Way campaign is on a fast track to success. The most recent campaign report, released Oct. 13, showed that MU was zooming ahead of last year. So far the campaign has raised \$244,437 — or 62 percent — of the \$393,500 goal. By this time last year, the campaign was just over the halfway mark, with 53 percent raised.

There's still time to add your support to the community-based Columbia Area United Way. Although nearly two-thirds of the goal has been reached, those donations came from only 14 percent of the University community.



## A GREAT GIFT OF LIFE FOR MU HOMECOMING

Homecoming '99 week officially got under way Oct. 5 with the annual blood drive at the Hearnes Center. Organizers challenged students, faculty and staff to "Leave Your Mark". And they did. The more

**Sophomore Addie Davis, center, receives moral support from junior Andrea Heinike, right, as nurse Lori Harvey prepares to draw blood at the Homecoming Blood Drive at the Hearnes Center Fieldhouse. Last year the event set a world record for the amount of blood donated during peacetime.**

Steve Morse photo

than 4,400 donations collected for the American Red Cross will enable MU — for several years running — to set the world's record for the largest peacetime blood drive on a college campus.

Today's Mizzou-Roni Food Drive drop-off mixes service and spirit. The campaign take place from 3 to 7 p.m. at the Reynolds Alumni and Visitor circle drive. Homecoming adviser Dale Wright says he expects thousands of pounds of boxed macaroni and cheese will be brought in for the Central Missouri Food Bank. In three years, more than 100,000 boxes of the product have been donated so far.

# Faculty discuss attendance policy

Faculty Council took a first look at a revision to MU's policy on student attendance at their Oct. 7 meeting. After discussing the proposal, council members asked that it be revised before they take any further action.

The new policy would encourage faculty to make necessary accommodations for students who must miss classes because of government service or "University-sponsored intercollegiate events."

The policy, which was proposed by the Missouri Students Association, would require that students notify their instructors of any scheduled absences within the first two weeks of the semester.

The original proposal asked that students be permitted two absences per course credit hour. Michael Devaney, chair of the council's student affairs committee, suggested that be modified to allow two hours of absence per course credit. The change, Devaney said, takes into account the many different class formats — such as 75-minute Tuesday and Thursday classes — offered at MU.

A number of council members urged support for the new attendance policy. "Many of the students who do these activities are often our best students

anyway," said Bob Almony, assistant director of MU Libraries. He noted, for example, that a majority of MU student-athletes have better than a 3.0 grade point average.

Faculty often are not aware that some students are required to take part in extracurricular events — student-athletes, for instance — in order to keep their scholarships, said Glenn Pierce, associate professor of Romance languages.

"Some students have contractual obligations; we have to respect those," Pierce said. "It's not always a case of students trying to pull the wool over our eyes. We have to get over that attitude."

Several council members asked whether the policy change would require faculty to excuse students from classes. "No," Devaney replied. "Faculty are encouraged to take this into consideration, but it's not absolutely mandatory."

"There are two questions here," said Beth Geden, council chair and professor of nursing. "Is it a mandate? No. Does it encourage faculty to do anything different? I think yes."

Other council members suggested the new policy would send the wrong message to students. "So you're going to tell a student, 'Some of your classes aren't

important.'" asked Dan Edidin, assistant professor of mathematics. "Teaching is the most important thing I do. I take my job very seriously; every class I teach is important."

Edidin also questioned whether students actually will follow the requirement of notifying faculty about scheduled absences during the first two weeks of the semester.

"Are we implying students are not required to do the work" if they miss classes under the new policy, asked Don Miles, professor of biological sciences.

"Not at all," Devaney said. Students would be required to make up any work they miss, he said. Absences during exams or labs would not be excused. The policy also spells out that student requests for make-up work should not "require the instructor to engage in individualized tutorial work with the student."

And, if instructors base some of their course grade on class participation, students still could be graded down on participation, even if their absences are excused, Devaney said. "The only difference" with the current policy "is a waiver of a penalty for not being present."

Other council members suggested the new policy should better define what

constitutes an official university function. There's a difference between students taking part in athletics and going to a job fair, said Loren Nikolai, professor of accountancy.

"How do you classify official and semi-official events," Nikolai asked. "I think some of my colleagues would like some tightening in that regard."

Mark Milanick, professor of physiology, said he was concerned about how students would interpret the proposed policy change. Students could assume that all faculty will follow the policy, even though it would not be mandatory.

Instructors should announce the class attendance policy at the beginning of each semester, Milanick suggested. "That allows faculty to decide for their own courses what is allowed and what is not."

Russ Zguta, professor of history, said the basic issue is how faculty and students can work together to accommodate both extracurricular activities and academic responsibilities.

"It's a question of good will on both sides. Some students have financial aid riding on their participation in these sports," Zguta said, and added that in his experience student-athletes usually take their class responsibilities seriously. "We as faculty have to show that good will also for students who are trying to juggle some of their activities to keep financial aid."

# Jam the spam?

Mike McKean, associate professor of broadcast journalism, sparked a debate at the Oct. 7 Faculty Council meeting when he brought up the issue of mass e-mails sent to MU faculty, staff and students over the University backbone.

McKean, chair of the campus computing policy committee, said that a faculty colleague raised the question after receiving a recent mass e-mail. Council members questioned whether those e-mails are a form of constitutionally protected free speech, or are unwanted and annoying "spam" mail clogging the information superhighway.

And, because the mass e-mail that prompted this discussion came from a University-authorized religious group, several faculty even asked whether the real issue involved the separation of church and state.

If a campus-sanctioned church group can sponsor mass announcements, did that mean that hate groups, for example, could ask for the same privilege, McKean asked. "I don't have the answer, but I'm very curious to hear some responses."

Dan Edidin, assistant professor of mathematics, said he initially was annoyed by the e-mails. After thinking it over, Edidin said, he saw little difference between an organization using mass e-mails or posting flyers on campus bulletin boards.

The problem is, "it looks more official coming on e-mail," Edidin said. "My concern is to find a way to make it look less like it's coming from the University."

Loren Nikolai, professor of accountancy, disagreed that e-mails were no different than printed flyers. "I don't

have to look at a poster," Nikolai said. "But as soon as they send a message to my e-mail I don't have a choice. I have to look at it to delete it."

Other faculty questioned whether campus computing policies should limit the use of e-mail to official University business. "For faculty it is pretty hard to define official business," said Mary Ellen Sievert, professor of information science. Faculty members communicate with colleagues around the world, she noted. "Some of that communication is going to be social."

McKean outlined the current policy developed by Information and Access Technology Services, which must authorize all mass e-mails:

- Mass e-mails are limited to one a day from each person or group.

- To discourage frivolous announcements, there is a \$100 fee for each e-mail. That fee is used to support computer labs and other computing services.

- Mass e-mails must be sponsored by a

University department or authorized student organization. It cannot violate any law, nor can it violate any University policy, such as the prohibition against commercial solicitation.

Each request for mass e-mails is reviewed by computing staff. Ed Mahon, director of Information and Access Technology Services, makes the final decision on any questionable e-mail announcements.

Under the current policy, McKean said, campus e-mail users are free to develop their own mail lists of up to 1,000 addresses without having an announcement reviewed. "Over 1,000, that's when the policy kicks in," McKean said. He added that Mahon has said he would welcome further review of the mass e-mail policy.

Council Chair Beth Geden, professor of nursing, invited faculty to e-mail McKean with additional comments. "Thanks," McKean replied. "No more than a thousand at a time."



## Public Policy

From Page 1

leaving the College of Business and Public Administration, and the college has been renamed the College of Business.

The Missouri Institute of Public Policy is affiliated with the Graduate School of Public Affairs, but it also will draw on faculty expertise and input from departments all across campus — and, indeed, from all four UM System campuses and from Extension and Outreach. Mizzou will be the coordinating campus for this Systemwide and statewide public affairs effort.

Guy Adams, professor of public administration and interim director of the Graduate School of Public Affairs, headed up the group that drafted an initial proposal. "The institute will be the point of organization that pulls people together," Adams says. "We want to build good collaborative relationships between groups that already are doing good work on campus.

"As a result, everyone's work is enriched. We can create new opportunities and enable conversations to take place that haven't taken place before," Adams says. He adds that this new focus on public policy has tremendous potential to help the University generate more outside funding for research.

The Graduate School of Public Affairs and the Institute of Public Policy will report through MU's Graduate School to the provost. A stakeholders group, representing constituencies from around the state, has helped identify existing needs around Missouri. That group, chaired by Gary Stangler, director of the Missouri Department of Social Services, will continue to work with the institute to develop long-range strategy.

In addition, a steering group made up of UM and campus administrators, and a Systemwide faculty coordinating team will help bring the University's full resources to bear on public policy issues.

This focus on public policy meets a critical need around Missouri, says Provost Brady Deaton. "In our discussions with state government officials and with the legislature we have heard the message that a more cohesive effort and a more focused approach on our campus would enable all of us to serve the state more effectively and to take future steps in a

more strategic way."

This public policy commitment is not a new role for the University. For many decades, faculty and staff have helped state decision makers "apply concepts and theories that further the common good of society," Deaton says.

"That's what the university is all about. The philosophy that knowledge and creativity, nurtured through higher education, can indeed serve society for the common good is a very deep value"

At the same time, Adams says, the focus on public policy will have a positive impact on teaching at the University. Students will have new opportunities for internships and research. In addition, he says, several new faculty members are being recruited who have special expertise in community decision support. That will allow the University to add a specialization in its master of public administration program.

"This is a way to develop quite a bit more activity in areas where we haven't had as much before. In that sense, it's a research generator," Adams says. "This can benefit the entire University and its relationship to the state. Things like this, if they're done right, are incredibly visible."

An argument has been raised in the national higher education community that universities, by working too closely on political issues with state legislatures and agencies, run the risk of tainting their academic objectivity.

Adams doesn't buy into that argument. Faculty simply will not allow political agendas to mar their academic integrity, he says. "This institute will have an ironclad drop-dead position as a neutral information broker. We'll be providing the best science, the best information we can. If we do anything else, we might as well close up shop."

Chuck Fluharty, acting director of the Institute for Public Policy, says that he's already seen an overwhelming response to the new initiative from faculty and from governmental organizations.

"I'm seeing a real willingness to help from both sides," says Fluharty, who also serves as director of MU's Rural Policy Research Institute. "We have a great potential here to build a solid, continuous institutional support base for the state's decision makers."

## 'Responsive and relevant'

Advisory group helps University focus on public policy

Gary Stangler has this tongue-in-cheek description of an insight: It's when the obvious becomes unavoidable.

Stangler, director of the Missouri Department of Social Services, had such an insight after many years of working with University faculty members on public policy issues.

"I realized that we have two different cultures here, the culture of academia and the culture of state government. I realized that I had very little understanding of the politics and culture of a university, and that people at the University had very little understanding of our culture in Jefferson City."

Stangler is chair of a statewide committee of stakeholders helping the University focus its new emphasis on public policy. His comments came at a meeting of that statewide group on campus this August.

The stakeholders committee also is helping identify state and local policy issues on which University experts could provide important knowledge and help through the new Missouri Institute of Public Policy. The stakeholders group is made up of representatives from state agencies, the legislature, local communities and governments, and from the business community.

Many times, Stangler said, state agencies rely on University "regulars" — faculty members and researchers whose work they know and value. "But there are a lot of times when we have needs, especially needs across disciplines and departments, that we don't know where to go," Stangler said. "We don't know where to start, and so we don't."

"The way I described it was that I felt like I was at McDonald's. If I wanted a hamburger I was in the right place, but if I wanted something that was not on the menu I was out of luck. While there were a lot of ideas and

*"I realized that we have two different cultures here, the culture of academia and the culture of state government."*

Gary Stangler, state social services director

good things from the people at the University, there had been really no intercourse in terms of understanding the customer."

University involvement in the policy arena is even more important, Stangler said, "in this age of devolution, and in this state with our efforts to push policy making and decision making down to the community level so that we recognize the unique needs of the communities around the state.

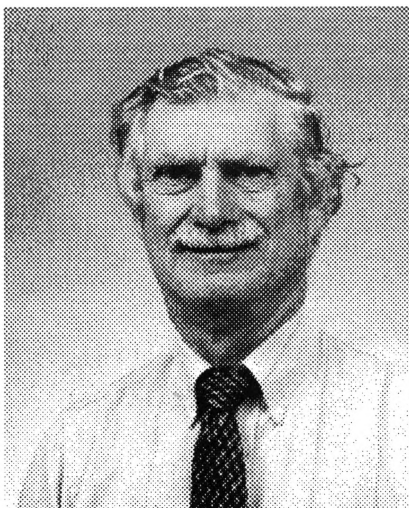
"What we often find in our well-intentioned efforts is that the community is ill-equipped to deal with them, ill-equipped to figure out the options, simply because they're not aware of all the options."

Stangler said that his goal has been to help the University better understand how it can help state agencies, the legislature and local communities. Those needs, he stressed, do not begin and end with faculty research. For instance, they could include short courses or seminars on complicated topics with which the state must come to grips.

"I hope we can help the University understand our cultures and our needs," Stangler said, "so that this public policy institute is truly responsive and relevant."

The Department of Chemical Engineering at the University of Missouri-Columbia cordially invites you to join them in honoring

## Richard H. Luecke



the following events will be held in his honor:

### Retirement Reception for Richard H. Luecke

Thursday, October 21, 1999  
2:00 - 3:30 p.m.  
Ketcham Auditorium Foyer

A special seminar in our Henry E. Bent Distinguished Lecture Series:

### T.S. Srivatsan

Professor, University of Akron  
"Rapid Solidification Processing of Discontinuously-Reinforced Metal Matrix Composites"

Thursday, October 21, 1999  
3:30 - 4:30 p.m.  
Ketcham Auditorium

\* For further information, call Nani Fudge at 882-4877 \*

### Subjects Needed For Research On Exercise and Lipid Metabolism

The Exercise Physiology Laboratory in the Department of Nutritional Sciences is seeking subjects for research on exercise and lipid metabolism.

The requirements for the subjects as following:

1. Males, Age 24-45 years old.
2. Must be sedentary (non exerciser) and apparently healthy.
3. Or with high blood triglyceride.

The Subject will:

1. Perform a maximal treadmill test.
2. Skinfolds measurement for percent body fat.
3. Mild exercise and blood draws.

The Subject will receive:

1. \$200 Compensation
2. Free meals.
3. Free blood triglyceride and HDL cholesterol analysis.
4. Free fitness evaluation.
5. Free body composition analysis.
6. Free diet analysis

If interested please call 882-6892.



# Rush.

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It's A Clear Come-On, this big, beautiful Bonus from Clinique. A see-through, zip-top "shower bag" filled with Facial Soap Mild with Soap Dish, Clarifying Lotion 2, Dramatically Different Moisturizing Lotion, a double-ended Chubby Stick in Vanilla Brownie/Nude Ice, Quickliner For Eyes in Roast Coffee and a dorm-room-size bottle of Clinique Happy Perfume Spray.

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# 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 and Plays

### Thursday, October 14

**THEATER SERIES:** *Hello Again* will be performed at 8 p.m. tonight and Oct. 15-16, and Oct. 19-23 in Rhynsburger Theatre. For ticket information, call 882-PLAY.

### Tuesday, October 19

#### MISSOURI PLAYWRIGHTS WORKSHOP:

"Evil Genius at Work: More 10 Minute Plays," by MU's beginning playwriting students, will be read at 7 p.m. in Memorial Union's Stotler Lounge III. Audience members are encouraged to critique the plays after each performance. For more information, call David Crespy at 882-0535, or crespyd@missouri.edu.

### Friday, October 22

#### HEARNES CENTER CONCERT:

Widespread Panic will perform at 8 p.m. in the Hearnes Center. For ticket information, call (800) CAT-PAWS, or all MetroTix locations.

## Conferences

### Friday, October 22

**STATISTICS SYMPOSIUM:** The Department of Statistics is hosting a campuswide symposium on statistical applications to provide faculty a chance to meet and exchange ideas on statistical matters. There will be lectures from Albert Winemiller, of PROS Strategic Solutions, who will speak on Revenue Management

and Statistics at 2:30 p.m. in Reynolds Alumni Center Columns A and B, and Ralph D'Agostino, Boston University, on "Development, Validation and Transportability of the Framingham Coronary Heart Disease Risk Prediction Functions" at 3:30 p.m. in 204 GCB.

### Friday, October 22

**FUTURE OF AFRICA CONFERENCE:** A conference on the future of Africa, to increase the awareness of the economic, political, social and cultural conditions, will be held today from 9:30 a.m.-9:30 p.m. in N201/202 Memorial Union. Wendell Holbrooke from Rutgers University will give the keynote address at 11 a.m. That afternoon and evening there will be panel discussions on travel experiences in Africa, education, South Africa, and the future of Africa. A complete list of activities is available from the conference web site at: [www.missouri.edu/~bkstdwww/](http://www.missouri.edu/~bkstdwww/)

**NURSING CONFERENCE:** An occupational health nurses conference will be held from 8 a.m.-4:30 p.m. today, and continue from 8 a.m.-noon tomorrow at the Lodge of the Four Seasons at Lake of the Ozarks. For cost and registration, call 882-0215.

## Courses

### Thursday, October 14

**ACCOUNTING SERVICES TRAINING:** "Account Types and Subcodes" will be presented from 9 a.m.-noon today, Nov. 11 and Dec. 9 in the conference room in Turner Parking Office. Registration required, call 882-3051.

**COMPUTING COURSE:** "Advanced Excel" will be presented today from 9 a.m.-noon. Registration required, call 882-6006.

### Monday, October 18

**LIBRARY DATABASE WORKSHOP:** A workshop on searching the Cumulative Index of Nursing and Allied Health Literature will be offered from 3:30-5 p.m. today and Nov. 9, and from 10-11:30 a.m. Dec. 9 in 126 Lottes Health Sciences Library. For more information, call 882-6141.

### Tuesday, October 19

**ACCOUNTING SERVICES COURSE:** "Account Information on the Web," with a prerequisite of FRS on the Web and Account Types and Subcodes classes, will be presented from 9-11:30 a.m. today, Nov. 18 and Dec. 7 in the second-floor computer lab in Turner Avenue garage. Registration is required, call 882-3051.

**COMPUTING COURSE:** "Introduction to Access" will be presented today from 1-4 p.m. Registration is required, call 882-6006.

### Wednesday, October 20

**ACCOUNTING SERVICES TRAINING:** "Travel Preparation and Reimbursement," with a prerequisite of Account Types and Subcodes class, will be presented from 9 a.m.-noon today, Nov. 17 and Dec. 8 in the second-floor conference room in Turner Avenue garage. Registration is required, call 882-3051.

**HUMAN RESOURCES WORKSHOP:** "Financial Planning for Retirement" will be presented from 9 a.m.-3 p.m. in 146 Heinkel. Registration is required, call 882-2603.

**EXCELLENCE IN TEACHING SEMINAR:** "Preventing Cheating and Plagiarism" will be held from 3:30-5 p.m. in N214 Memorial Union.

**HEALTH AND SAFETY COURSE:** "Hazardous Materials Awareness" will be presented today from 10 a.m.-noon, and again Dec. 29 from 9-11 a.m. in the EHS Classroom in the Research Park Development Building. Registration required, call 882-7018.

### Thursday, October 21

**COMPUTING COURSE:** "Intermediate Access" will be presented from 1-4 p.m. today. Registration required, call 882-6006.

**LIBRARY DATABASE WORKSHOP:** A workshop on searching PsychINFO database will be held from 10-11:30 a.m. today, and from 3:30-5 p.m. Nov. 16 and Dec. 6 in 126 Lottes Health Sciences Library. For more information, call 882-6141.

**PROCUREMENT COURSE:** "ProCard Orientation" will be presented from 1:30-3 p.m. today, Nov. 18 and Dec. 15 at 1105 Carrie Francke Drive. Registration required, call 882-1450.

**RADIATION SAFETY COURSE:** "Radiation Safety at MU-Update" will be presented from 1-3:30 p.m. today, Nov. 18 and Dec. 16 in the Environmental Health and Safety classroom in the Research Park Development Building. Registration required, call 882-7018.

### Friday, October 22

**HUMAN RESOURCES WORKSHOP:** "Tax Deferred Annuities" will be presented today and Nov. 5 from 9-11 a.m. in 146 Heinkel. Registration required, call 882-2603.

## Exhibits

**MUSEUM OF ANTHROPOLOGY:** The museum's exhibits focus on Native American cultures and the history and prehistory of Missouri. The museum, located at 100 Swallow Hall, is open from 9 a.m.-4 p.m. Monday to Friday.

#### MUSEUM OF ART AND ARCHAEOLOGY:

Special Exhibits:  
•"Fabrications: A Sampling of Multicultural Textiles" is on display until Dec. 19.

•"Figuring the Human in Twentieth-Century Art" is on display until Nov. 7.  
•"Image and Imagination in African Art" is on display through 1999.  
•"Jaguar's Realm: Ancient Art from Mexico to Peru" is on display through 1999.  
•"Los Caprichos" is on display until April 16, 2000.

#### Ongoing Exhibits:

•"The Saul and Gladys Weinberg Gallery of Ancient Art"  
•"Early Christian and Byzantine Gallery"  
•"Gallery of European and American Art"  
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.

**BINGHAM GALLERY:** "Lár Crois/Fada Dán," a sculpture by Michael Shaughnessy, will be installed in the gallery Oct. 11-15 and the community is invited to participate in the installation. The sculpture will be on display through Nov. 19. Shaughnessy will give a public lecture at 6 p.m. Oct. 14 in Pickard Hall Auditorium, and an exhibition reception will be held from 4-6 p.m. Oct. 15 at the gallery. Bingham Gallery, in the Fine Arts Building, is open 10 a.m.-4 p.m. Monday-Friday and noon-4 p.m. Saturday and Sunday.

**PEACE STUDIES EXHIBIT:** "Toward a Peaceful World Free of Nuclear Weapons," an exhibit of photos and maps from Hiroshima and Nagasaki, will be on display in the main concourse of Ellis Library through October.

**ROGERS GALLERY:** "Brilliant Light, Kindling Shadows—Images from a Journey to Japan," photographs by associate professor of environmental design, Benjamin Schwarz, will be on display through Oct. 15 in 142 Stanley Hall. Rogers Gallery is open from 9 a.m.-4 p.m. Monday-Friday.

#### STATE HISTORICAL SOCIETY:

•Works in oil by Gary R. Lucy, a contemporary genre painter from Washington, Mo., of 19th century Missouri river scenes and steamboats will be on display through Dec. 10. The gallery is open 8:30 a.m.-4 p.m. Monday to Friday.

•"Carl R. Gentry, Watercolors and Oils" is on display in the north-south corridor through Dec. 31.

•"Decades: 1899 to 1969, Editorial Cartoons" is on display in the east-west corridor. The corridors are open from 8 a.m.-4:30 p.m. Monday-Friday and 9 a.m.-4:30 p.m. Saturday.

**UNIVERSITY ARCHIVES:** Several exhibits of historic photographs are available through the archive's web site:

•"Meet Me at the Union," the construction, dedication and growth of Memorial Union.  
•"Getting Physical," early photos of MU women's athletics  
•"Mizzourah!" the early years of MU football  
•"Cows on the Lawn," the early days of dairy science at Mizzou  
•"Mizzou from the Air: 1919"  
•"Come On Home Tigers," early MU homecomings  
•"Dramatic Images," photos of MU theatrical productions from the 1920s to the 1940s  
•"Significant Dates in the History of MU"  
The archive's web site is at: <http://www.system.missouri.edu/archives>

## Films

### Thursday, October 14

**MSA/GPC FILM SERIES:** *Eve's Bayou* will be shown at 7 p.m. tonight in the Black Culture Center. Free with a MU ID.

### Friday, October 15

**MSA/GPC FILM SERIES:** *Happy Gilmore* will be shown tonight at 7 and 9:30 p.m. in Memorial Union Auditorium. Cost: \$1 with MU ID.

### Saturday, October 16

**JAZZ SERIES FILM:** *Buena Vista Social Club* will be shown today and Oct. 20

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### An Announcement

## MU's 1998 Water Quality Report

The Environmental Protection Agency requires administrators of public water systems to develop and communicate an annual water report. The 1998 water quality report for the University of Missouri—Columbia is available through the Environmental Health & Safety Office.

MU's drinking water meets all standards of quality set by the Environmental Protection Agency. MU has had no regulatory violations for the period covered by this report.

To learn more about MU's water quality or acquire a copy of the 1998 Water Quality Report, please contact:

Environmental Health & Safety  
#8 Research Park Development Building  
Columbia, Missouri 65211-3050  
(573) 882-7018



at 7 p.m. at The Blue Note.

**Wednesday, October 20**

**MSA/GPC FILM SERIES:** "Troma Film Week" begins tonight with the showing of *Class of Nuke 'em High* at 8 p.m. in Memorial Union Auditorium. Free with a MU ID. It concludes with the showing of *Tromeo and Juliet* on Oct. 29 and 30 at 7 and 9:30 p.m. in Memorial Union Auditorium. Cost: \$1 with MU ID.

**Lectures and Seminars**

**Thursday, October 14**

**ENVIRONMENTAL ENGINEERING LECTURE:** Ken Duzan from Missouri Department of Natural Resources public drinking water section will present "Missouri Groundwater Virus Study" at 7:30 p.m. in N222/223 Memorial Union.

**GENETICS SEMINAR:** Steve Johnson from Washington University School of Medicine will present "How the Zebrafish Gets Its Stripes" at 3:30 p.m. in 18 Tucker Hall.

**INTERNATIONAL AFFAIRS SEMINAR:** Sead Numanovic, visiting professor of journalism, will present "Between Bosnia and Kosovo: A Report on the Former Yugoslavia" from noon-1 p.m. in S16 Memorial Union.

**CHEMICAL ENGINEERING LECTURE:** Marvin M. Johnson from the Phillips Petroleum Co. will present "Catalysts for Petrochemicals—Endless Improvements" at 3:30 p.m. in Ketcham Auditorium in the Engineering Building East.

**NUTRITIONAL SCIENCES LECTURE:** E.C. Henley with the DuPont Company's consumer health department will present "Latest Research on Soy" at 1:30 p.m. in Memorial Union Auditorium.

**Friday, October 15**

**ADMINISTRATIVE SYSTEMS LUNCH:** "The Administrative Systems Project Primer-A Lunch and Learn Opportunity" is a new outreach for staff to understand the purpose of the Administrative Systems Project. Offered from noon-1 p.m. today and Nov. 17 in Room 20 Academic Support Center. Registration required, call 884-1770.

**ECONOMICS LECTURE:** Jeff Russell from the University of Chicago Graduate School of Business will present "Efficiency of High Frequency Data in Estimating Volatility: Effects of Nonnormality and Dependence" at 4 p.m. in 212 Middlebush Hall.

**GEOLOGY LECTURE:** Steve Anderson, associate professor of soil and atmospheric sciences, will present "Tomography for Measurement of Soil Physical Properties and Processes" at 3 p.m. in 108 Geological Sciences Building.

**Saturday, October 16**

**SURGERY GRAND ROUNDS:** Philip Dobrin, professor of surgery and chief of staff at Truman Veterans Hospital, will present "Development of Aneurysms" from 9-10 a.m. in M105 Medical Sciences Building.

**Monday, October 18**

**BIOCHEMISTRY SEMINAR:** Simon Robson from Harvard Medical School will present "CD39 (endothelial nucleoside triphosphate diphosphohydrolase) Modulates Purinergic Signaling in the Vasculature" at 3 p.m. in MA217 Medical Science Building.

**PHARMACOLOGY SEMINAR:** Kunwar Shailubhai from the Monsanto Cancer Prevention Group will present "Cancer Chemotherapy: Stimulation of Intestinal Cyclic GMP Production Inhibits Tumor Formation in the Min-Mouse Model of Colon Cancer" at 4 p.m. in M558 Medical Sciences Building.

**Tuesday, October 19**

**DIETARY LECTURE:** Registered dietitian Terri Jo Oetting will discuss the importance of beans in our diets and how they can decrease the risk for certain

diseases at 10:30 a.m. in the Health Information Center at Columbia Mall.

**AG RESEARCH EXPO LECTURE:** Roger Beachy, director of the Danforth Plant Science Center in St. Louis, will present the keynote address, "Plant Biotechnology in the 21st Century" at 7:30 p.m. in Memorial Union Auditorium. A reception begins at 7 p.m.

**Wednesday, October 20**

**AG RESEARCH EXPO EVENTS:**

- A panel of MU researchers will join other international experts to discuss how MU's research contributes to the global debate on the economics and sociology of agrobiotechnology from 9:30-11:30 a.m. in N201/202 Memorial Union.
- Following a poster session from 12:30-3 p.m. in the Memorial Union's Stotler Lounge, 1998 research award winners will give presentations. Bruce McClure, associate professor of biochemistry, will present "A New Perspective on Pollination." Allen Garverick, professor of animal science, will present "Mechanisms Regulating Ovarian Follicular Growth in Cattle."

**MIDDAY GALLERY EVENT:** Object maker Caoimhghin O'Fraithile will present "Ancestral Memories" at 12:15 p.m. in the Museum of Art and Archeology.

**TEACHING ENHANCEMENT SEMINAR:** "Preventing Cheating and Plagiarism" will be presented from 3:30-5 p.m. in N214 Memorial Union.

**REFRACTIVE SURGERY FORUM:** John Cowden, professor and chair of ophthalmology, will offer a question-and-answer session to explain various forms of refractive surgery from 6-7 p.m. tonight, Nov. 17, and Dec. 15 in the Main Street Conference Room at University Hospital. Registration is required, call 882-5935.

**COLLEGE REPUBLICANS LECTURE:** Gary Aldrich, former FBI agent and author, will present "The Politics of Personal Destruction and the Effects of the Clinton White House" from 6-7:15 p.m. in Fisher Auditorium in Gannet Hall. Aldrich will sign his book, *Unlimited Access*, following the speech.

**Thursday, October 21**

**CAMPUS WRITING PROGRAM DISCUSSION:** A panel discussion titled "Intellectual Property: Plagiarism in the Age of Postmodernism, Peer Review, and the Electronic Media" will be presented at 4 p.m. in 113 Arts and Science Building. John Kultgen, professor of philosophy, will moderate the discussion with panelists John Adams, associate professor of chemistry; Peter Davis, professor of law; and John Foley, professor of English.

**Thursday, October 21**

**ECONOMICS SEMINAR:** Andrew Filardo from Federal Reserve Bank in Kansas City, will present "To Combine or Not Combine Inflation Forecasts" at 3:30 p.m. in 310 Middlebush Hall. For more information, call 882-0063.

**INTERNATIONAL AFFAIRS SEMINAR:** Roman Vershynin, a doctoral student in mathematics from the Ukraine; and Lylia Vershnina, a doctoral student in rural sociology from Tatarstan, will present "The Former Soviet Union Today—Russia and Ukraine: Political, Social, Economic, Education" from noon-1 p.m. in S16 Memorial Union.

**CHEMICAL ENGINEERING LECTURE:** T. S. Srivatsan from the University of Akron will present "Rapid Solidification Processing of Discontinuously-Reinforced Metal Matrix Composites" at 3:30 p.m. in Ketcham Auditorium in the Engineering Building East.

**NUTRITIONAL SCIENCES LECTURE:** Heide Schatten, associate professor of veterinary pathobiology, will present "The Effects of Genistein on Cell Division in Cancer Cells" at 4 p.m. in 209 Gwynn Hall.

**Friday, October 22**

**STATISTICS SYMPOSIUM:** Albert Winemiller of PROS Strategic Solutions will

speak on "Revenue Management and Statistics" at 2:30 p.m. in Reynolds Alumni Center Columns Rooms A and B. Ralph D'Agostino from Boston University will speak on "Development, Validation and Transportability of the Framingham Coronary Heart Disease Risk Prediction Functions" at 3:30 p.m. in 204 General Classroom Building.

**CHEMISTRY COLLOQUIUM:** Sharon Neal from the University of Delaware will present "Model-Independent Analysis of Fluorescence Probe Photokinetics Using Dynamic Multidimensional Fluorescence" at 4 p.m. in 103 Schlundt Hall.

**GEOGRAPHY LECTURE:** Robert Bailey from Utah State University will present "Ecoregions of the United States" at 3:30 p.m. in 100 Stewart Hall.

**GEOLOGY LECTURE:** Rich Pancost from the Netherlands Institute for Sea Research will present "Microbial Processes in Mediterranean Cold Seeps: A Molecular Biogeochemical Investigation" at 3 p.m. in 108 Geological Sciences Building.

**PHILOSOPHY LECTURE:** Lynne Rudder Baker from the University of Massachusetts-Amherst will present "Materialism with a Human Face" at 3 p.m. in 310 General Classroom Building.

**Meetings**

**Thursday, October 14**

**STAFF ADVISORY COUNCIL:** The Staff Advisory Council will meet today at 1 p.m. in S206 Memorial Union.

**Thursday, October 21**

**FACULTY COUNCIL:** The Faculty Council will meet today at 3:30 p.m. in S203 Memorial Union.

**Special Events**

**Monday, October 18**

**MISSOURI REVIEW EVENT:** *The Missouri Review* will honor William Gay, this year's winner of the magazine's Peden Prize in Fiction, from 6-7 p.m. in the Landrum Room of the First National Bank, 801 E. Broadway. Gay will read from his winning story following the reception. To RSVP, call Dedra Earl at 882-4474.

**Tuesday, October 19**

**GLUCOSE SCREENING:** Free walk-in screenings will be available today from 1-5:30 p.m. in the Health Information Center, Columbia Mall.

**Wednesday, October 20**

**SURPLUS PROPERTY AUCTION:** Surplus property from the University and other area government agencies, including everything from hospital beds to a piano, will be auctioned beginning at 10 a.m. in the Surplus Property Warehouse, located on Capen Park Road off Rock Quarry Road south of Stadium Boulevard.

**Friday, October 22**

**FLU IMMUNIZATIONS:** Flu shots will be available in Jesse Auditorium from 8-10 a.m. They will also be available on Oct. 26. Cost: \$10 for those 13 and older, free for those 65 and older or in certain high-risk groups. Members of the University's HMO and POS medical insurance plans may receive free immunizations with by showing their insurance card.

**RETIREES ASSOCIATION**

The MU Retirees Association sponsors a number of ongoing activities for members:

- The Personal Finance Group meets at 10 a.m. on the second and fourth Mondays of each month in S207 Memorial Union to discuss financial topics. For program information, contact Dabney Doty at 442-1210.
- The Travel Series features travelogues by MU retirees. Mary Frances Potter will present a video on Israel at 10 a.m. Oct. 27 in S206 Memorial Union. G.B. and Gertrude Thompson will discuss their travels in Australia at 10 a.m. Nov. 17 in S208 Memorial Union.
- The MU Retirees Association Investment Club meets at 2 p.m. on the last Tuesday of each month in S204 Memorial Union.

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# Uniting in remembrance and hope

*Candlelight vigil helps mourn past hate crimes and mobilize to make community safer for all.*

They came to remember the recent rampage at a Jewish community center in Los Angeles during which a gunman wounds five people; Filipino-American Joseph Ito, part-time postal worker killed later in the day by the same gunman; 21-year-old sailor Barry Winchell, beaten to death with a baseball bat by a shipmate, possibly because of sexual orientation; eight victims killed during a prayer service in a Texas church; African American James Byrd Jr., 49, who was beaten unconscious, chained to the back of a pick-up truck and dragged for miles over rural roads outside Jasper, Texas; two women who were raped and murdered on the Katy Trail in 1993; Rodney King; 12 teen-agers who lost their

lives in Columbine High School.

A crowd of more than 350 filled Speaker's Circle at 8 p.m. Oct. 11 for the Hate Crimes Remembrance Candlelight Vigil to collectively mourn these transgressions along with other such hate crimes committed nationwide in the past year.

Participants lit candles and listened to representatives from various campus organizations talk about mourning and mobilization. Instead of open microphones, journals were placed around the circle so people could express their feelings in written form. Eventually the journals will be placed in time capsules.

A group of this similar size showed up at the same place a year ago in response to

the beating death of Matthew Shepherd, a gay student at the University of Wyoming. Shepherd's death has since become a national symbol for hate crimes aimed at sexual orientation.

"Before Matthew Shepherd died, we started advertising for a candlelight vigil on campus for him," says Nikole Potulsky, one of the organizers of both vigils. Potulsky coordinates MU's Lesbian-Gay-Bisexual-Transgender Resource Center in 230 Brady Commons. "From that night people felt very energized about making Columbia a safer community for everyone."

Hate crimes are motivated by bias against an individual's actual or perceived race, color, religion, disability, sexual orientation or gender. Examples include everything from name calling to murder, says Pablo Mendoza, director of multicultural affairs. A hate crime is a felony in the state of Missouri. More than 40 states have hate-crime laws and Missouri is one of the 20 states that has passed specific legislation to deal with crimes against sexual orientation, gender or disability.

At the vigil, Mendoza, an Asian-American, spoke of the long history of hate crimes against his people — "from the first instance of one person calling

another a derogatory term like Chink, Gook, Flip or Jap, to the murder committed because a person feels they have been wronged by another race.

"Hate crimes have been with us forever. We, as survivors, have the responsibility to those who have suffered not only to remember them, but to heal the wounds, to educate each other and those who do not know us."

It is the responsibilities of communities to work together to prevent hate crimes, which are attacks on communities, Potulsky says. "Violence raises people's fear, and they get scared of what could happen to them. Fear makes them feel secluded and isolated, and isolation brings on more fear and misunderstanding."

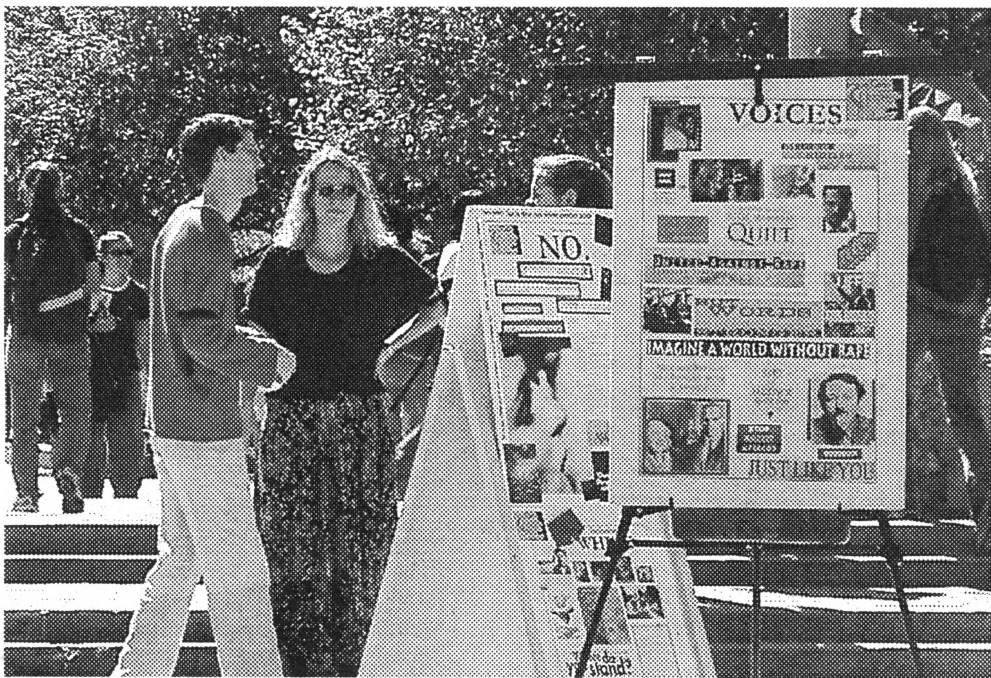
Fear also keeps people silent, which leads to most hate crimes not being reported. On campus, Mendoza says only one such crime was reported in 1998, compared to seven in 1997 and eight in 1996.

The vigil allowed those who attended to remember all the violence that has taken place nationwide, and to draw meaning from the victims' lives so "we can work to enrich our community and make our community safer," Potulsky says. "I believe the way to do this is through mobilization, coalition and working together to create change. We can prevent hate crimes, and the way to do that is to have no space in our lives for racism, sexism, classism, ageism or homophobia. It is important to communally mourn the loss of people in our community and to come together and understand what it is like to be targeted with overt violence of physical harassment and the covert violence of institutional harassment and discrimination, and how that works to create a climate of intolerance."

Speakers from these groups also discussed how hate affects the community: the Black Culture Center, Women's Center, Disability Services, Jewish Student Organization, Campus Peaceworks, Triangle Coalition, Students Accomplishing Diversity Enrichment, the Hate Report and From the Four Directions.

Mendoza says these groups have one thing in common: A universality of feeling oppressed, having had hate crimes done to constituent members of their individual groups. "There is a coalition here to combat the hate crimes in the future, and we need to let the rest of the community know that we are all working together to prevent future hate crimes from taking place."

Summing up the 1½-hour vigil, Potulsky says: "It was powerful."



Rob Hill photo

The "Hate Museum" at Speakers Circle Oct. 11 displayed examples of campus hate, as well as information on rape, the Holocaust and the importance of speaking out against hate crimes.

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Animal Science Research Center - Wanda Merriott - Wayne Furlong - John Dewater - Angie Snodgrass  
Crowder Hall - Dorothy Butler  
Engineering Building East - Quilla Porter - Carolyn Woody - Ron Davidson - C.W. "Buddy" Hatton, Anthony Logan  
Medical School Addition - Juanita Brown - Garry Mitchell  
Swallow Hall - Herman Smith  
University Hall - Wanda Shettleworth

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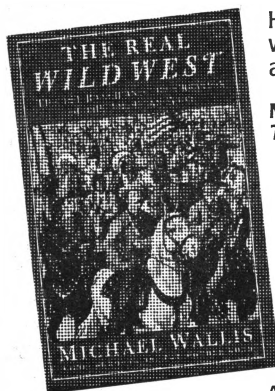
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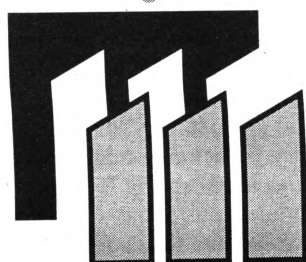
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# Fielding a Better Corn Crop

Researchers provide new roots for genetic modification of maize.

By Charles Reineke. Photos by Nancy O'Connor

Farmers, scientists and international corporations all have a tremendous financial, ethical, even moral, stake in the brave new world of biotechnology—in deciding how plant technology will influence perhaps life's most fundamental question: Where is our next meal coming from?

Few people have a better grasp of the answer than Ed Coe, a research geneticist with the USDA's Agricultural Research Service and a professor of agronomy at MU's College of Agriculture, Food and Natural Resources. For unschooled visitors, he reduces the genomic modification process to a simple analogy. Creating better corn is like scouting about for your dream home, he says. "It's like you and me riding around town, finding the nicest looking homes and saying, 'All right, let's pull those together, take the best things from each one, and...'"

"See if we can't build something better," interjects Larry L. Darrah, the boisterous leader of the USDA's Plant Genetics Research Unit. Along with entomologist Bruce Hibbard, Coe and Darrah are pioneers in plant genomics—the science of mapping a plant's DNA. The five-year Missouri Maize Project that Coe helped found—a task force dedicated to providing the infrastructure that may one day help plant scientists fully crack corn's genetic code—last year received an \$11 million grant from the National Science Foundation. It is among the largest competitive research grants in MU history.

Farmers have for centuries selectively bred crops to produce corn varieties with the right genetic stuff to fend off the droughts, diseases and the hordes of hungry insects that wreak havoc on harvests. Genomics—the science of mapping chromosomes to discover what specific genetic component produces which plant traits—will help accelerate the process.

It won't come easy. Identifying desirable genes, and determining how these will interact with the genetic

material already in the plant, involves mapping and sequencing a mind-numbing array of DNA. Researchers believe the full corn genome contains more than 3 billion base pairs and loads of repetitive DNA that are particularly difficult to work with. That's the bad news.

More encouraging is that, once a gene is isolated, today's technology makes including it in seeds fairly straightforward. First, the desired gene, usually one with attributes involving a resistance to herbicides, pests or lethal fungi, is either blasted into the corn's chromosomes using tiny pellets coated in DNA, or it's spliced in via a gene-packed bacterium. Cells are then grown into mature plants and crossed with their conventional counterparts. After several generations of conventional breeding, the new genetic trait is integrated with the best of the old.

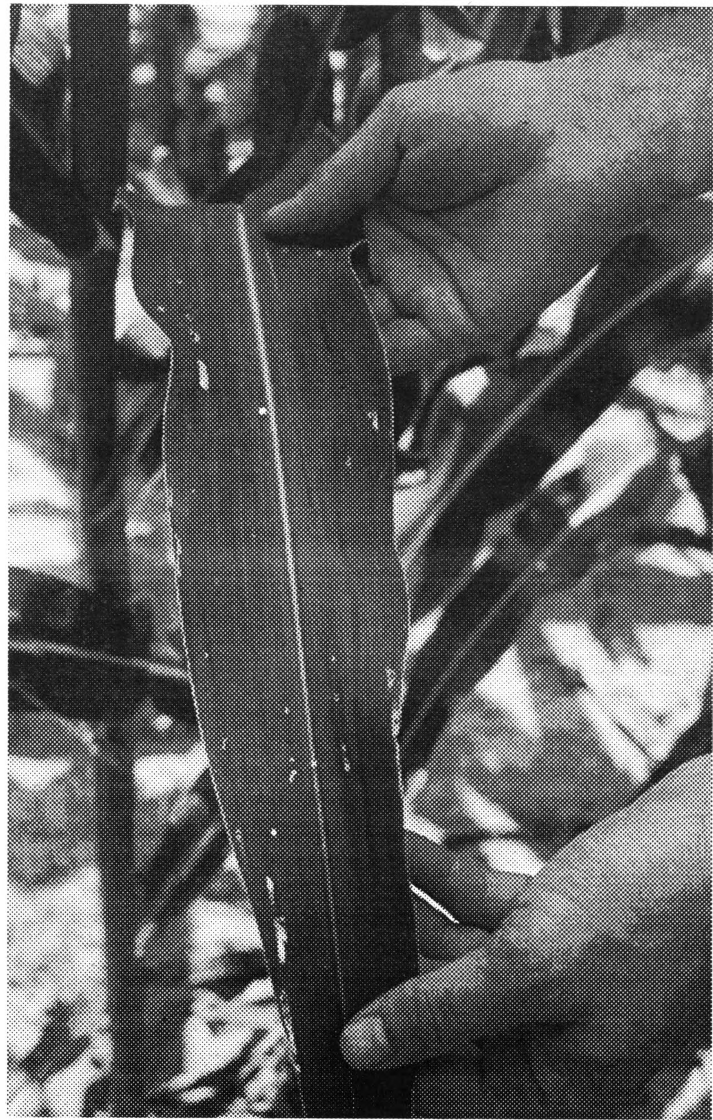
Might all of this be a prelude to the super seed?

Maybe, Darrah says. But there is still much to learn. "We don't even know exactly how a particular plant comes to its total yield. We only know it's the sum of the pluses and minuses of that plant in that environment. But if we can dissect the genome sufficiently, we can—and this is way down the line—take only the pluses and leave the minuses out."

Thus the potential of genomics to revolutionize corn, North America's No. 1 cash crop—a crop whose value exceeds the total annual output of wheat, oats, rice, barley and sorghum combined. It also explains the rush to pump both public and private money into genomics research.

All of this has raised fears that the enormous promise of the plant genetics—the chance to develop higher-yielding, more nutritious plants grown in environmentally friendly ways—may be hijacked by companies more interested in healthy profits than produce. There are more fundamental fears as well.

Although MU plant scientists insist that it is too early to make pronouncements on the ethics of genomic mapping, the morality of messing with Mother Nature



Nancy O'Connor photo

European corn borers dine on native maize. Genetically engineered maize plants can fight off the yield-robbing pests.

has already sparked intense debate around the world.

Coe and his colleagues acknowledge a small risk of unintended consequences. Inadvertent crossbreeding of genetically modified crops could, for example, cause genetic "escapes," making certain pest plants more difficult to control. Planting Bt corn at improper densities could, for example, contribute to the evolution of Bt-proof corn borers—larvae that thrive on the corn that ought to kill them.

More recently, an article in the journal *Nature* suggested that pollen from Bt corn could kill larvae from a portion of the thousands of monarch butterflies that breed in the Corn Belt. Monarch larvae feed exclusively on Midwestern milkweed. In the laboratory study published by *Nature*, researchers placed pollen on milkweed plants, which turned out to be deadly to baby butterflies.

It was the first hard evidence that pollen from a transgenic plant could harm a nonpest species, a finding that alarmed consumers both at home and abroad.

Avoiding such pitfalls requires a greater, not lesser, commitment to academic investigation, MU scientists argue. Just as it was research at land-grant universities that pointed to potential butterfly-related problems, so might public schools of agriculture help the consumer put the private sector's genetic modification plans into perspective. Hibbard says the Bt corn controversy is a case in point.

**For the next five years, MU researchers Larry Darrah, Bruce Hibbard and Ed Coe will work to map and sequence the corn genome.**

Nancy O'Connor photo

"The corn is just doing its job, and it's very effective. There are a limited number of milkweed plants near cornfields; Bt is just not going to have a significant effect on the monarch population," Hibbard says. "But the monarch butterfly is a symbol, and a powerful one." Symbolic of humankind's potential to alter the building blocks of life; symbolic of corporate research running roughshod over publicly funded laboratories.

"These companies are predicting that new [genetically modified maize] seeds will be on the market in 2001," Hibbard says. "A limited amount of public testing was done last year; the first live public testing was done this year. That isn't much time to get a lot of research done before the

predicted release." With insecticide, researchers generally had eight to 10 years of study before it hit the market.

Exactly right, says Jane Rissler, a senior staff scientist with the New York-based Union of Concerned Scientists. Unlocking the secrets of the corn genome is not in itself dangerous. But when genetically modified crops are rushed into production without a stringent—and impartial—testing regimen, she says, the problem potential is magnified.

"You've heard about the monarch issue, the studies at Cornell and Iowa State that show the Bt toxin can be harmful to monarch butterfly larvae," Rissler says. "There is no surprise there. It just shows how poor the regulatory system is—the EPA certainly wasn't going to detect that risk. There is concern, too, for the potential of human health problems, in that genetic engineering could introduce new allergens into the food supply."

Advocacy groups aren't the only organizations voicing concerns. Agriculture Secretary Dan Glickman, for years regarded as a biotech booster, is among the numerous government officials having second thoughts about giving biotechnology research an unregulated ride.

Genetic engineering "shouldn't be a steamroller," Glickman told the *St. Louis Post-Dispatch* last spring. "There are more and more questions being asked about biotechnology, and those questions must be answered. They cannot be brushed off. They must be dealt with."

*Reprinted from the Fall 1999 issue of MIZZOU magazine. The article has been edited for length.*





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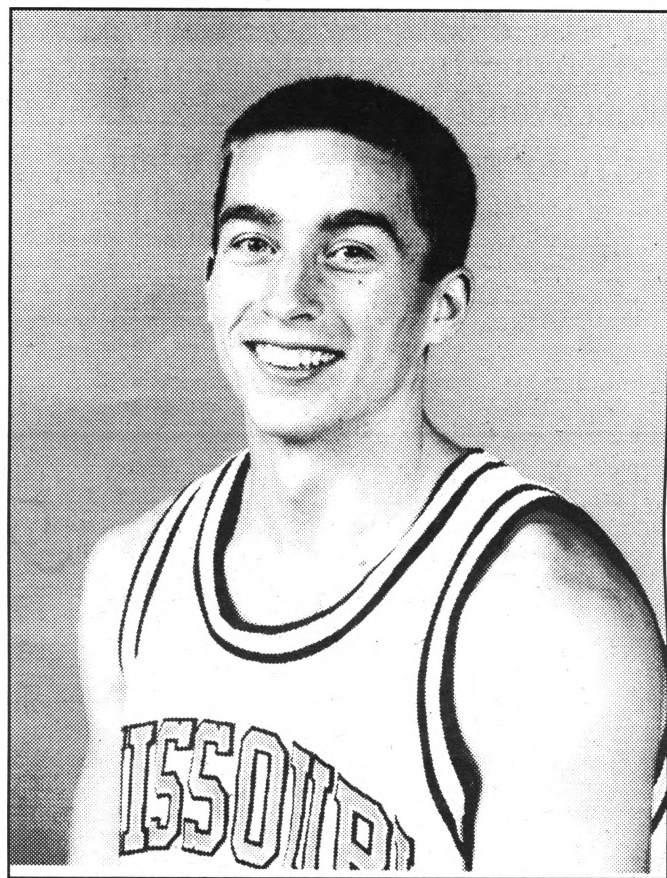
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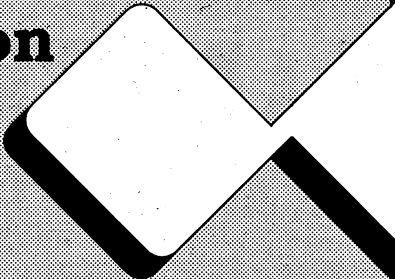
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