

MIZZOU

WEEKLY

University of Missouri-Columbia Nov. 4, 1999

INSIDE THE WEEKLY

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Tracking chemical complications

Researchers say plastic chemicals could be cause of early puberty, reproductive and weight problems.

Over the past decades, researchers have reported a dramatic increase in the number of overweight Americans, reproductive deformities and the number of youth reaching puberty at early ages.

In the past, these findings have been attributed to nutrition, lifestyle and genetics. However, in an article published in *Nature* late last month, a team of researchers from MU and North Carolina State University report that a chemical estrogen that is used to make plastics could be a contributing factor.

The researchers, Kembra Howdeshell, an MU doctoral candidate; and Fred vom Saal, professor of biological sciences; exposed mice to bisphenol A (BPA), similar to levels at which humans are routinely exposed. That compound was originally made as a chemical estrogen, but now is used as a "building block" for the production of polycarbonate plastic products such as baby bottles, tin can linings, certain toys and certain types of

food storage containers.

What resulted were findings that included an earlier onset of puberty and an increase in body weight after birth. The researchers also found that mice with more natural estrogen in them were much more sensitive to the chemical than those with low levels of natural estrogen.

"People sometimes get confused if 100 percent of the population doesn't exhibit the exact same symptoms to a chemical, but there are varying effects in the animal as well as human population," Howdeshell said.

"That's to be expected, but there is no way to predict natural levels of estrogens in humans without doing several series of invasive tests. The whole idea of government regulation is to protect the most sensitive subpopulation, which our findings identify as having the highest levels of natural estrogen."

The study was conducted by exposing mice to BPA while still in the womb.

Exposure was done just during pregnancy,

not after birth. However, the study concluded that exposure to the chemical while still in the womb programs post-natal growth. On average, Howdeshell and vom Saal found that mice exposed to BPA weighed 20 percent more than normal when examined at puberty. The research was conducted over a period of one year and was funded by a \$500,000 grant from the National Institutes of Health.

"We found that the largest effects happened to the babies of the pregnant mother," Howdeshell said. "The chemical did not affect the mother, but instead it altered the babies' growth patterns and accelerated timing of sexual maturity. Our study shows that this chemical may be a factor for contributing to trends seen in human populations."

The researchers' findings indicated that more work is needed to discover the exact effects of BPA on humans. However, in previous research, when both humans and mice were exposed to the same relative dose of chemical estrogens, the effects

were nearly identical. Both experienced similar types of abnormalities of the reproductive system. This points to the need for research on humans.

"We're not offering an answer concerning effects in humans with these findings; instead, the findings pose a question regarding human health," vom Saal said. "This study should serve as a guide for human research. We believe that the medical community should take a long look at this study and consider looking at BPA as a possible cause for the changes in growth, sexual maturation and reproductive abnormalities that have been reported in the humans."

Vom Saal also has pointed out that food containers are not the only source of exposure to this chemical. BPA also is used to make computers, toys and other household items. Products made with BPA have been claimed to be nondegradable. However, at the Estrogens in the Environment conference last month in New Orleans, Howdeshell and vom Saal presented evidence from another study showing that BPA leaches out from plastic products with repeated use.

Preserving the old, developing the new

"The magnificent and imposing columns of the old building stand in the center of the court [quadrangle] and will be left standing — a sacred ruin and sad monument to the lives of the old students, a monument of progress to the new. When the Legislature shall provide the means, the court will be cleared and graded and put in tasteful harmony with all the surroundings, new and old." So reads a passage from the Biennial Report of the Board of Curators, dated 1893.

Gideon F. Rothwell, president of the board at that time, was among those leading the fight to preserve the Columns that were left standing after fire destroyed Academic Hall in 1892.

Today, those six Ionic Columns still stand, and a Rothwell still leads the fight for their preservation.

G. Franklin Rothwell IV, BS ME '49, Gideon's great-grandson, and his wife of Chevy Chase, Md., recently donated \$50,000 to the Landscape Development Program. The Rothwell Family Columns Preservation Endowed Fund will be used solely for preserving the Columns and developing the Gardens on Francis Quadrangle.

"It was very exciting to work with them because Mr. Rothwell has a great sense of history and of family tradition," says Michael Kateman, who was director of MU's Graham Center for Estate Planning and Endowments when the Rothwells set up the fund. "The endowment that will eventually be created in honor of his family will support the Columns, which his great-grandfather

saved," says Kateman, now executive director for advancement for the College of Arts and Science.

Tom Flood agrees wholeheartedly. "The magnificent and imposing Columns still stand as a sacred ruin, a memorial to the old and a monument to the new, while the Gardens on Francis Quadrangle are being developed in tasteful harmony with all the surroundings, new and old," says Flood, superintendent of Landscape Services. "How singularly befitting that Mr. Rothwell's gift will continue to fulfill the vision of his forefather."

The Gardens on Francis Quadrangle are emerging as the botanical heart of campus. Now under limited development, they not only complement the area's unique historic architecture, but also beautify the campus and enrich educational opportunities for students and the public, Flood says. "We plan to double the square footage of the existing perennial display gardens, ending up with about 30,000 square feet that will feature a collection of more than 100 plants."

The Quad's gardens are examples of the excellent design, construction and maintenance campuswide that garnered Landscape Services the national grand award in the college and university category of the Professional Grounds Management Awards contest, co-sponsored by the Professional Grounds Management Society and *Landscape Management Magazine*.

"It is an honor for us to be recognized on a national level by this organization for the quality of our landscape maintenance

work," Flood says. "Competition is stiff." In 1994, Landscape Services won an honor award in this competition.

Flood credits winning the top award this year to the department continually improving the quality of maintenance, expanding the campus' gardens and plant collections, and increasing the staff's expertise and professionalism through aggressive on- and off-campus training programs. Approximately 25 Landscape Services gardeners and groundskeepers keep tabs on nearly 300 acres of landscape at MU, including 5,000 landscape trees.

"Gifts like the Rothwell family's are perfect opportunities for our development program, which helps provide educational opportunities for students, faculty, staff and the community at large," Flood says.

For example, the gardens surrounding the Quad serve as teaching gardens. All the plants are labeled, and the

feedback and support for the IDs have been phenomenal, Flood says. "People see something they like, the name is there, and they can introduce that item into their gardens at home."

"Education is our mission. Learning isn't contained just inside the buildings — it carries all the way out to the landscape."

Barbara Keith, left, and Katrina Ragsdale of Landscape Services work the flower bed on the northwest corner of Jesse Hall.

Steve Morse photo





1999 UNITED WAY IS ALMOST HOME

It's a squeaker. The University's United Way campaign is just a few percentage points away from meeting the 1999 campaign goal of \$393,500. The latest campaign report, issued Nov. 3, puts the University at 96 percent of that goal — or \$377,046.

The University's role is crucial in

meeting the wider Columbia-area United Way campaign goal of \$2.1 million. And United Way is crucial to the 29 area social service agencies that receive support through campaign dollars. Other mid-Missouri agencies receive emergency and venture funding each year.

Assistance to children is a major emphasis of United Way. During 1998 more than \$550,000 was spent helping mid-Missouri's children through a variety of local programs such as Boys Clubs and Girls Clubs, Boonslick Heartland YMCA, licensed child care to 422 children, emergency shelter and crisis care for abused and

neglected children through the Rainbow House, and working with troubled teenagers through the Front Door.

ADVANCING THE COMMUNITY

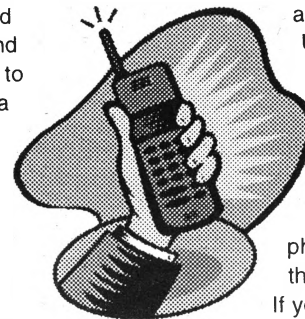
The University's Hispanic and Latin American community has put in a year of research and work, and is ready to launch a new organization. The MU Hispanic and Latin American Faculty and Staff Association will call its first campuswide assembly to approve a constitution and elect officers. The assembly will convene at 7

p.m. Nov. 10 in Tucker Forum in Gannett Hall.

The organization had its genesis at a campus meeting attended by UM System President Manuel Pacheco. "With his words of encouragement, this became an idea that was taken up. We've worked at it for a year and now we're ready to go," says Cristina Lindall, international projects coordinator with the vice provost for minority affairs

and faculty development.

As one of the group's organizers, Lindall says the association's goal is to encourage and promote the advancement of MU's Hispanic and Latin American community and to make more people aware of the Hispanic and Latin culture at the University.



A CELLULAR HAPPENING

MU Ameritech cellular phone customers must have their phones reprogrammed. If you have an Ameritech

Stick out your tongue and say 'moo'

Food Animal Clinic handles double the average large-animal caseload of other programs in North America.

"Sallie" had been feeling ill for some time. She had done her best to cope with her illness but the daily build-up of pressure around her heart and the increased fluid on her limbs and chest was more than she could bear.

Sallie, a 7-year-old beef cow, had been referred to a clinic for diagnosis and treatment of a life-threatening condition. She had been housed at an embryo transfer facility where advanced reproductive techniques had been used to harvest Sallie's embryos, permitting her to have virtually hundreds of offspring.

Her owners pursued these measures because she was an exceptional cow valued at more than \$50,000. Sallie's owners were especially concerned with her illness because of her genetic value

and the prospect of being unable to perpetuate these prized genetics through future calves, so they took her to Food Animal Clinic at the College of Veterinary Medicine.

According to 1998 year-end caseload figures reported to the American Association of Veterinary Medical Colleges, Sallie was in experienced hands. Faculty, staff and students at MU's clinic handled more than double the average number of patients of any clinic in North America in the last reporting year. MU's clinic saw 1,765 cases; the average annual caseload for the 32 veterinary medical colleges in North America was 826. In addition, MU's ambulatory caseload increased 20 percent last year, meaning clinic staff visited more than 8,000

animals on farms across Missouri.

The MU clinic treats cattle, sheep, goats and pigs that are sick or show signs of low productivity — not producing enough milk, not growing fast enough or not producing enough offspring. The high caseload, coupled with the small class sizes at Mizzou, means each MU student handles three to four times as many animals as students at other schools.

In Sallie's case, Ron Tessman, a second-year resident in food animal medicine and surgery under the direction of Jeffrey Lakritz, assistant professor of food animal surgery, initiated a series of diagnostic and therapeutic procedures, and found evidence of heart disease. Luckily, prompt treatment resulted in a cure, and she has returned to a reproductive career at the embryo transfer facility.

"Sallie had several factors in her favor. The owners recognized early on that she wasn't feeling well and sought veterinary medical attention quickly," Tessman said. "In addition, the advantage of having seen a wide variety of cases, particularly those with similar clinical signs, makes it much easier for us to appropriately diagnose and treat an animal's disease."

Tessman and his fellow doctoral student Dusty Weaver each recently received five-year, \$120,000 fellowship grants from the National Science Foundation to support doctoral studies. After Tessman earns his degree, he wants to teach at a veterinary medical college.

"It's a win-win situation. As we improve animal health, we not only improve the culture and health of the livestock we treat, we increase the income of the farming people we serve. The farmers win, the animals win, the students win — everybody wins," said Jeff Tyler, associate professor of veterinary medicine and head of the food animal section.

He said the strong support of veterinarians across the state through referrals and invitations to investigate has helped them maintain a strong educational program. In addition to serving patients, clinic faculty and students also conduct research on such diseases as cancer and micronutrient deficiencies in cattle, immunity and disease resistance in baby calves, mastitis and lameness.



Residential Life, Campus Dining Services, IAT Services & MUPD

Present the

RENOVATED PERSHING HALL UPPER LEVEL

GRAND OPENING

Students, Faculty and Staff
Stop by to help us celebrate!
Enjoy the speakers, tour the new computing site,
have a bite, take home a gift.

Friday, November 5, 1999

Ribbon Cutting Ceremony at 1:00

Open House from 1:30 - 3:00

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

cellular phone that your department is funding, or a personal cellular phone, you need to have it reprogrammed by November 27. "Reprogramming is necessary so phones recognize new territories established by Southwestern Bell's purchase of Ameritech," says Beth Chancellor, assistant director of Mizzou Telecom.

To have your phone reprogrammed, Ameritech invites you to one of these fairs:

- At University Hospital (One Hospital Drive, second floor mezzanine) from 9 a.m. to 4 p.m. Nov. 16 and Nov. 23.

- At MU Telecommunications Building, 920 S. College Ave. from

9 a.m. to 4 p.m. Nov. 15 and Nov. 22.

Unable to attend these reprogramming fairs? Stop by one of the following locations any time to have your phone reprogrammed: Capital Comm-South, 202 E. Nifong Blvd.; Capital Comm-North, 21 Conley Rd., Suite M; MVP Cellular, 2101 W Broadway; and MVP Cellular at the Columbia Mall.

With questions, call your Mizzou Telecom customer service representative at 882-2177.

DOUBLY DELICIOUS HOLIDAY DESSERT

Think of it as pumpkin pie inside out. Well, not really. But that's how Rick Linhardt likes to describe the pumpkin pie ice cream produced at Buck's Ice Cream Place in Eckles Hall.

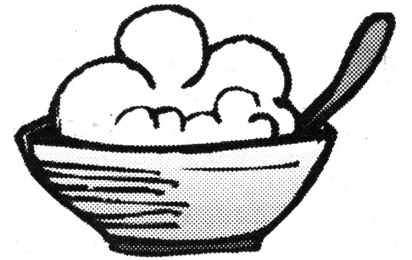
"It tastes just like pumpkin pie a la mode," said Linhardt, who manages Buck's as part of the MU Dairy Plant. "But instead of having the ice cream on top, you've got the pumpkin pie inside." Since 1989, Buck's has provided premium quality ice cream in a variety of flavors including Tiger Stripe, MU's official ice cream. For the last several years, however,

pumpkin pie ice cream has been the frozen treat of choice during the holidays.

"Around the holidays, we like to produce an unique flavor, one that you won't find just anywhere," Linhardt said. "We've produced pumpkin pie ice cream several times now, and each year the demand has increased." This year, pumpkin pie ice cream will be available through Christmas.

It can be purchased at Buck's in quarts for \$2.50, half-gallons for \$4.50, and 3-gallon tubs for \$20. Hours of operation are Monday through Friday, noon to 5 p.m. Linhardt said that while Buck's will have pumpkin pie ice cream on

hand, those wishing to purchase in bulk quantities should call 882-0591 to reserve the specialty flavor.



A circle of giving

To the University Community:

As our University United Way campaign for 1999 draws to a close, I want to thank our faculty and staff who have helped make this another successful year. The University is a significant segment of the Columbia and Boone County communities, and our efforts are vitally important to the 29 United Way agencies that provide much-needed human services in the mid-Missouri area.

One of our campus goals this year is to increase the number of faculty and staff who participate in the United Way campaign. Last year, approximately 25 percent made contributions, compared to more than 40 percent for many major institutions and businesses in town. If we could increase the number at MU who make contributions by just 2 percent, it would make a significant difference to the community-wide effort.

So, if you haven't returned your card yet, we will still gladly accept it. In 1998, United Way agencies touched the lives of more than 100,000 persons in mid-Missouri — very likely someone you know has been helped. As communitywide chairpersons Pam and

Bruce Walker have noted, United Way represents a "circle of giving" — when we can, we give to the United Way; when we are in need, United Way is there for us.

Columbia has received many high rankings as a great place to live. Our quality-of-life is outstanding — partly because of the exceptional human service programs that are supported by the Columbia Area United Way. Supporting these programs through the United Way meets two important philanthropic criteria for me: efficiency of contribution ("one-stop-giving" accomplished through payroll deduction); and, accountability for expenditures. Some 60 community volunteers, including several MU employees, serve on panels that evaluate the various agency programs and make recommendations to the United Way Board as to how the dollars should be allocated. Local dollars working locally — what a great concept!

Sincerely,
Dick Dowdy, associate dean, human environmental sciences
Co-chair, 1999 University United Way campaign

professional associations, educators, regulators, consumers and the public.

"Allied health services are essential to the well being and health of the population of Missouri, particularly the elderly," says Michael Prewitt, assistant professor and chair of cardiopulmonary and diagnostic sciences and principal investigator of Project Prism.

The delivery of health care services in rural areas is another prominent need and one that Project Prism plans to address. "Project Prism will allow allied health practitioners working in rural Missouri the opportunity to complete education and professional training, which will lead to more advanced abilities and credentials," Prewitt says.

To ensure the goals of Project Prism are met, new innovations in teaching and instructional technology will be used. The new curriculum will include interdisciplinary problem-based learning, service-learning, and web-based instructional methods. The new grant became effective July 1 and will benefit hundreds of state practitioners and their patients.

Project Prism

Grant helps state practitioners improve training, patient care.

MU's Department of Cardiopulmonary and Diagnostics Sciences received a three-year, \$292,000 grant to help state practitioners increase their skills and improve patient care as a whole.

Project Prism, approved last May by the Health Research and Services Administration-Bureau of Health Professions, is designed to create an innovative, interdisciplinary curriculum for students enrolled in radiography, respiratory therapy and nuclear medicine.

New partnerships will be established with Missouri's Area Health Education Centers (AHECs) to focus on recognized community health needs. These needs were identified through collaborations with health care delivery systems,

Join us
for our
8th annual
Diabetes Day

The Lighter Side of Diabetes

1 - 3:30 p.m.

Sunday, Nov. 7

Cosmopolitan International Diabetes Center at University Hospital and Clinics

Approaching diabetes with humor and perspective

Internationally known keynote speaker:

Marcia D. Draheim, RN, Certified Diabetes Educator

St. Luke's Hospital, Cedar Rapids, Iowa

- Fun and festive meals
- Staying motivated
- Refreshments
- Door prizes
- Traveling with diabetes
- Free product samples
- Stress busters
- Have your picture taken with Truman the Tiger
- Exercise CAN be fun
- Eating out
- Health screenings

Free parking is available in the visitors garage, located on the east side of University Hospital. For more information, please call **(573) 882-2273**.



A critical move

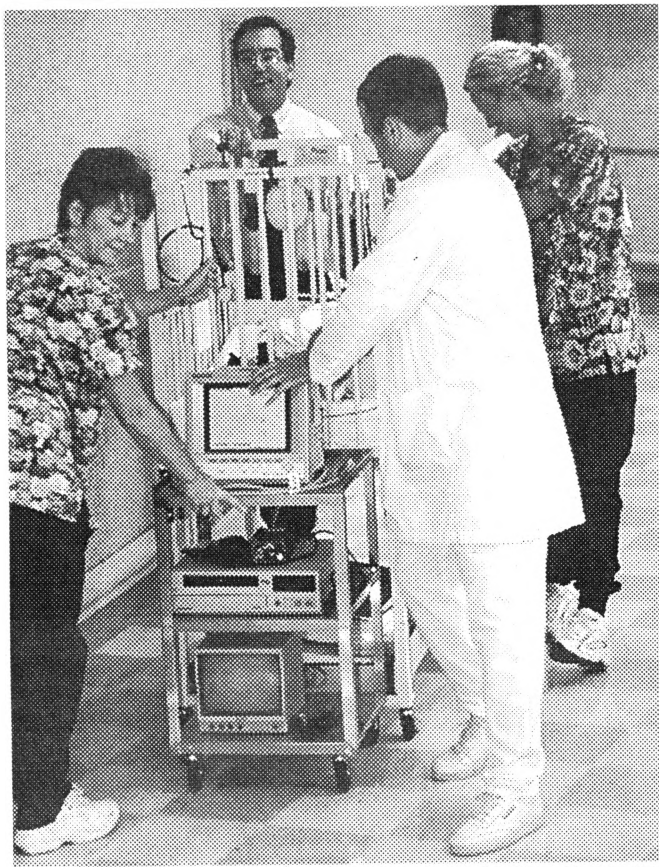
Built before intensive care units existed, University Hospital has been accommodating the critically ill for the past 40 years in units not originally designed for that type of care. Critically ill patients recently moved into an area of their own with the completion of a \$51 million addition to University Hospital specially constructed with these patients in mind.

The 193,870-square-foot structure was unveiled for staff members and the public Sept. 9 at a dedication and ribbon-cutting ceremony to celebrate the culmination of some seven years of planning and construction. At the ceremony, Daniel Winship, vice chancellor for health affairs, heralded the tower as the finest, most advanced facility he had seen.

"For more than 40 years, University Hospital and Clinics has cared for critically ill patients, providing the highest quality care to those who needed our service," Winship said during the ceremony. "This new facility offers much-needed space for patient care and teaching, and it also gives patients and their families more privacy during a time that can be very stressful to them."

The tower features the latest in medical technology for critically ill and injured adults and newborns. The facility contains three floors with 54 adult ICU beds and one floor with 36 neonatal ICU beds. Each unit includes large workstations where interdisciplinary teams can meet and review patient cases. Large waiting rooms right outside the units allow families to remain nearby. The units also are located close to operating rooms and cardiac catheterization labs.

The design of the units was based on input from faculty and staff members, patients and visitors. "We reviewed the literature and recommendations from the Society of Critical Care Medicine, and we toured new units in other facilities," explains Patsy Hart, executive director of University Hospitals and Clinics. "By doing this research and pairing it with



Eleanor Draper photos



input from our staff, patients and their families, we were able to create models that will better meet the needs of those we serve."

The hospital previously averaged 194 square feet of care and support space for each ICU bed, but the new facility

Moving day (left) was a long-awaited event as the University Hospitals intensive care units moved into their new home in the hospitals' state-of-the-art critical care tower. The "pod" design of the new intensive care units, below, allows staff more flexibility to care for critically ill patients. The new tower also houses a central pharmacy and sterile processing facilities, preop and recovery rooms, and cardiac catheterization labs.

increases that amount to 290 square feet. Provider triangles in the units provide caregivers with visual access to every room from one central location.

"This is an important feature for critically ill patients because their condition can change in an instant," says Kirt Nichols, chief of staff at University Hospitals and Clinics.

The three adult floors each contain one 18-bed intensive-care unit. These units consist of two connected pods with nine beds in each pod. To increase flexibility, the old

combining units will greatly reduce the need to move patients.

The Newborn Intensive Care Unit on the seventh floor of the tower is organized into levels of care. The most critically ill babies are in one section of the unit, while infants who are almost well enough to go home are on the other end. Pods are coded with different colors to make them easier for family members to identify.

For parents who are anxious about caring properly for their baby when they go home, there are two care-by-parent rooms. Pascale's Pals, a nonprofit support group at Children's Hospital, provided funding for the rooms. Parents can spend the night in one of these rooms with their baby, preparing them to care for their child on their own. Newborn intensive care staff serve as resources if parents have questions or concerns. A breast-feeding room is located adjacent to the care-by-parent rooms.

Not all of the addition's space is devoted to intensive care. The tower also holds new central sterile processing facilities, a central pharmacy, preop and recovery rooms and cardiac catheterization labs.

Perhaps the only thing missing from the Critical Care Tower is a sixth-floor connection. Floor-to-ceiling height requirements are greater now than when University Hospital was built in the 1950s. As a result, each floor in the tower is taller than the corresponding floor in the hospital.

This height difference led planners to call the sixth level of the tower the seventh floor since it connects to the seventh floor of the older hospital building. There is no connection to the tower from the sixth floor of the hospital.

Last year, University Hospital's ICUs provided care to approximately 2,500 adults from nearly every county in Missouri. Children's Hospital's newborn ICU cared for almost 300 newborns. These numbers represent 25 percent of the total patient population cared for by the facilities.

Pondering everyday decisions

MU philosopher's work synthesizes decision and game theories.

"Why are you wearing that?" can be more than a rude comment. It's also an important philosophical query. While most of us think of philosophers as people who ponder the meaning of life, philosophy professor Paul Weirich probes for the meaning behind our everyday decisions.

Aristotle, among others, sought meaning behind what are seemingly the most banal actions of day-to-day life, such as deciding what to wear. Today, with the use of probability theory, we can find more answers to these questions. "When Aristotle thought of practical reasoning, he thought of a belief and a desire working behind every action," Weirich said. Weirich studies decision theory, a newer version of Aristotle's approach. Today, philosophers can make use of probability theory and other advances.

This approach touches on several other fields. Rational decision making is a basic element in economics. Psychologists study irrational decision making. Marketers and businessmen would certainly like to know what motivates people's daily choices. The difference between their approach and the philosopher's is that philosophers aren't looking for practical applications of their theories. Other sciences study how people do make simple decisions; philosophers prefer to look at how they should make decisions.

Most people, Weirich said, make rational decisions on a daily basis. However, there are some exceptions. "People don't take significant account of probability. Lottery tickets have such a low probability of winning that it isn't worth it," he said. Needless to say, some

of us are still drawn to this behavior.

Understanding the basis for everyday decisions can be important in how we relate to others. Weirich gives us an example, and then asks two questions:

You know that someone is politically active.

•Question 1: What is the likelihood she's a bank teller?

•Question 2: What is the likelihood she's a feminist bank teller?

Weirich notes that many people pick question No. 2 as more likely than question No. 1, even though it's not possible to know which is more likely from the information provided. Such decisions, he notes, are the result of stereotyping.

Stereotyping, despite its negative social consequences, is something everyone

does. It is simply too difficult to analyze every person and situation you encounter starting from scratch, so humans will make assumptions about objects and people.

While stereotypes are convenient — and in some cases essential — fallacious thinking can have serious problems. However, we often don't think about them, or other factors behind our thinking, when we make the simplest decisions.

Weirich uses complicated models to analyze how people judge everyday situations ideally, and is breaking new theoretical ground by synthesizing decision theory and game theory in new ways. (Game theory is different from decision theory in that it involves more than one person acting.) Weirich's most recent book, *Equilibrium and Rationality*, makes an impressive, if complex, argument for refashioning decision principles that guide a great deal of philosophical analysis.

Putting class back into the classroom

After his first year on campus, Michael Kramer absolutely refused to hold any of his classes in Switzler Hall. And for eight years running, the associate professor of communication remained true to his word by scheduling classes in other buildings on campus. Until this year.

Switzler's classrooms, especially Room 311, were "pathetic, unattractive, crowded and not conducive to good instruction," he says. Large tables in the middle of the room accommodated two-thirds of his Business and Professional Communication class; the other one-third sat on the fringes. "And that's sort of how they took the class, too, as the fringe members of the class. They didn't participate in the discussion, just sat on the side and watched."

Because of the location of the tables, students sometimes were forced to sit facing away from Kramer. The lack of air conditioning or fans in the room made conditions even less conducive to learning. "I taught in this classroom my first year and said never again."

All this changed over the summer, when 11 centrally scheduled classrooms were taken out of service for renovations. After substantial upgrades, Kramer and his students returned to the third-floor classroom for the fall term. They were greeted with an array of improvements, including new lighting fixtures, fresh paint, better seating, high tech audio

visual equipment and air conditioning. For Kramer, the long wait was worth it in terms of improved instructional space.

"The room, with big windows and a nice view, looks fresh and new," he says. "The students are pleased with the new technology that is there. They see it as a positive direction and are looking forward to using it."

Similar improvements were made in Switzler Hall's Room 125 and in nine other classrooms in Arts and Science Building, Engineering Building East and West, and Lefevre Hall.

For several years, MU had invested nearly \$500,000 annually in renovating auditoria across campus. For the near future, that money will be used to "fix up, clean up and spruce up some of the centrally scheduled instructional space and make it more supportive with the use of the latest technology for faculty who want to use it and need it," says Gary Smith, registrar and director of admissions.

"A couple of the rooms had not been touched since President Jesse addressed their needs," he says, laughing. Now, Smith continues, "The renovated spaces are all well-lit; the finishes look fresh and new; and the furniture matches."

Smith should know. He heads the University's space planning advisory committee that played a major role in identifying rooms for renovation. Last fall, the group walked around campus and

generated a list of rooms for immediate rectification.

"Our goal is to make good use of available space and to make comparative decisions on allocations of resources," says committee member Bea Smith, dean of human environmental sciences.

"It is tremendously important to reinvest in older buildings, even as we are putting up wonderful new facilities," she says. "As a long-time campus dean, I've seen too many years where maintenance has been deferred to the point where some facilities were pathetically antiquated in terms of technology and aesthetics."

As the committee peered into buildings, it was easy to see that some cried out for attention. Lecture rooms in Lefevre, constructed in 1913, and in Switzler, constructed in 1872, begged for restoration, she says. "In their time, they were magnificent rooms with presence. The lecture halls must have simply glowed with beautiful wood finishes and wonderful windows. They were so run down, and our conclusion as a committee was that they desperately needed renovation, but also that renovation should have some regard for the history of the building."

In both buildings, Campus Facilities construction crews and outside contractors refinished historic floors and areas around the windows to respect the integrity of the buildings, says Phil Shocklee, associate director of Campus Facilities.

Additionally, to stay with the earliest design of the rooms in Switzler, suspended acoustical tile ceilings were removed and the original plastered ceilings were exposed.

Bea Smith says she feels good about the committee's recommendations for this year. A list of 16 new restoration projects is being evaluated in Campus Facilities. "As we look at the cost that goes into new buildings, especially for maintenance, it is terribly important that we don't siphon from what are the majority of the campus buildings, the older ones," she says. "We have to keep up the upkeep, and modernizing is part of the overall space process."

Keeping up with the latest technology, however, may be the biggest hurdle MU faces.

"Technology is changing so quickly, that by the time we bid out one model, a newer model is on the market," says Ken Brokamp, manager of technical services at Academic Support Center. Nevertheless, this fall he is overseeing the replacing and installing of new projectors in some of the centrally scheduled classrooms. This project is being funded from \$200,000 of mission enhancement money. By the end of the calendar year, Brokamp says, 24 low-resolution, ceiling-mounted units will be replaced. "These new projectors will allow brighter images on the screen with less light control in the rooms. They are higher resolution and more compatible with the newer laptops that have evolved over the past three years."



University of Missouri-Columbia

Academic Budget and Resource Officer Office of the Provost

The Office of the Provost at the University of Missouri-Columbia invites applications and nominations for the position of Academic Budget and Resource Officer. This is a full-time administrative position responsible for leadership and communication with divisional fiscal officers, academic planning, strategic and budget planning, and academic resources review for the Office of the Provost.

The Academic Budget and Resource Officer is responsible for developing, monitoring, and analyzing budgets of all units reporting to the Provost; advising the Provost of budget conditions and trends as well as resource allocation; advising deans and directors in academic divisions; preparing analytical studies of resources allocations; planning, assigning and evaluating the work of office support staff; and representing the Provost at various administrative and budgetary meetings and related sessions within and outside the University. The Academic Budget and Resource Officer serves as the liaison to academic fiscal officers, plays a major role in all academic planning, serves on campus committees, and provides leadership in the design and implementation of the ASP Project.

Qualifications: A masters degree in Accounting, Business Administration, Finance or a related area, or an equivalent combination of education and experience from which comparable knowledge and abilities can be acquired is necessary. At least seven years experience in procurement, accounting, statistical analysis, or budgeting activity is necessary. Preferred qualifications are experience in academic planning and modeling in a University setting, knowledge of the academic personnel process, and experience with budget processes at a University of Missouri campus or the UM System.

Candidate applications consisting of a letter of interest and resume as well as letters of nomination should be sent to Lori Franz, Search Committee for Academic Budget and Resource Officer, Office of the Provost, 114 Jesse Hall, MU. All applications and nominations received by November 1, 1999 will receive full consideration. However, applications will be accepted until the position is filled with an employment target date of January 1, 2000. Official application must be made to Human Resource Services, 130 Heinkel Building, Columbia, MO 65211. Every attempt will be made to protect the confidentiality of all applicants.

Q&A

Q I've heard that state appropriations to the University of Missouri have been impacted by changes to the state's Hancock Amendment. What's changed with the Hancock Amendment recently and why do those changes make a difference in how much the state appropriates to the University.

A About 15 years ago, Missouri voters approved the Hancock Amendment, which established a formula that regulates how much revenue the state of Missouri can collect from taxpayers. The formula takes into account personal income and other factors. Unless voters approve a tax for a specific purpose, all revenue counts toward the state's "revenue lid." Once collections exceed that amount, the excess is refunded to the taxpayers.

With the state's economy booming in recent years, lawmakers have been scrambling to reduce state revenues by eliminating sales tax on food and other areas so they don't have to go through the process of issuing refund checks to every taxpayer in the state. Even so, we have exceeded the lid several years in a row.

What changed with the Hancock limit recently? Early in 1998, the U.S. Department of Commerce changed the definition of personal income so that it eliminated mutual fund capital gains. Because "personal income" is a key part of the Hancock calculation, that federal change had an immediate impact on the

Hancock revenue limit.

As a result, the revenue lid was lowered by \$113 million last year and \$120 million this year. That meant there was less funding available for state services, since legislators can only appropriate what the spending lid allows.

This past year, state lawmakers eliminated some of the excess revenue by cutting almost all capital expenditures. Higher education was spared, however, and the University of Missouri eventually received nearly \$50 million in capital appropriations at the same time that other parts of state government were cut back.

What will happen this year? Total state revenue will have to be reduced by another \$118 million, so most experts predict the University will see inflationary increases in state appropriations of about 2 percent again.

How does all this filter down to MU employees? The important figure is the amount the state appropriates for our operating budget in addition to mission enhancement funds, which are earmarked for specific purposes.

This year, for example, MU received a 5.5 percent increase in operating funds, but 3.5 percent of that was earmarked for specific mission enhancement priorities. And 1 percent of the 5.5 percent was the University's share of increased benefits costs for MU employees. That left 1 percent for cost-of-living salary adjustments, and that's why University employees received \$400 raises this year.

There is growing concern about the impact of Hancock on needed state services, but changing the amendment will take a statewide vote. Whether one supports the Hancock Amendment or not, it clearly will continue to be an issue in the future.

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, November 4

UNIVERSITY CONCERT SERIES: George Winston, Grammy Award-winning piano, pioneer, will perform at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Friday, November 5

HEARNES CENTER EVENT: Sammy Hager and The Waboritas will perform at 8 p.m. in the Hearnese Center. Tickets are available at all MetroTix locations or by calling 1-800-CAT-PAWS.

Tuesday, November 9

UNIVERSITY CONCERT SERIES: Ballet Hispanico, widely recognized as the foremost dance interpreter of Hispanic culture, will perform at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

MISSOURI PLAYWRIGHTS

WORKSHOP: *The Star Quilter*, a new play by Native American playwright Bill Yellow Robe, will be read at 7 p.m. in the Memorial Union's Stotler Lounge. The audience is invited to critique the play following the reading.

HEARNES CENTER EVENT: *CATS*, the longest running Broadway musical, will be performed for the first time in mid-Missouri at 8 p.m. in the Hearnese Center. Tickets are available at all MetroTix locations or by calling 1-800-CAT-PAWS.

Conferences

Thursday, November 4

ADVISING TELECONFERENCE:
"Academic Advising: Campus

Collaborations to Foster Retention" will be held from noon-2 p.m. in N214/N215 Memorial Union. Following the teleconference a panel of faculty, advisors, administrators and students will discuss how this national issue relates to MU. For more information, visit the event website at <http://www.pbs.org/adultlearning/als/programs/live/academic/>

Friday, November 5

MEMBRANE BIOLOGY CONFERENCE:

"Plant, Animal and Microbial Membrane Biology: Molecules to Medicine in Preparation for the Millennium" begins today at 11:30 a.m. and continues through 1 p.m. tomorrow in the Reynolds Alumni and Visitors Center. The event features a student research poster contest and talks by membrane biology researchers from MU and around the nation. To register, call 882-8059. A complete list of speakers is available at the event home page at:

web.missouri.edu/~physmm/MemAnnounce.htm

CELEBRATION OF THE BOOK:

The Missouri Center for the Book, a statewide organization that promotes the importance of books and reading, will sponsor a conference titled "Celebration of the Book" today and tomorrow on the MU and Stephens College campuses. Today's events include a lecture by novelist Clifton Taulbert, author of *Once Upon A Time When We Were Colored*, will speak on "Knowledge Unleashed" at 3 p.m. in Fisher Auditorium in Gannett Hall. The cost for this public lecture is \$5. A reception and book signing will follow in the reading room of the Western Historical Manuscript Collection from 4:30-5:45 p.m. A dinner and lecture by Sven Birkerts, author of *The Gutenberg Elegies: The Fate of Reading in an Electronic Age*, on "Futures of the Book" will begin at 6:15 p.m. in Reynolds Alumni Center. Events continue tomorrow morning at Stephens College that include panel discussions and lectures. Speer Morgan, novelist and MU professor of English, will be a panelist on the discussion of "Hypertext and Beyond: Fiction and the Computer" at 1 p.m. in Dudley Hall. Registration is required; call 1-800-325-0131, or contact the website at: mosl.sos.state.mo.us/libser/libpub/mcb/mcb.html.

NURSING CONFERENCE: The Midwest Regional Perioperative Nursing Conference will be held from 6:30-8:30 p.m. tonight and 7:30 a.m.-4 p.m. tomorrow at the Holiday Inn East, Columbia. For cost and registration, call 882-0215.

Friday, November 12

STATE ECONOMIC OUTLOOK

CONFERENCE: The Missouri Economic Outlook Conference will be held today from 9:30 a.m.-3:00 p.m. in the Great Room at Reynolds Alumni and Visitors Center. Patricia Polland, research officer with the St. Louis Federal Reserve Bank will present "The International Outlook" at 10 a.m. Phillip Miller, associate research professor with the State and Regional Fiscal Studies Unit, will then present "The National Economic Outlook." Edward Robb, director of the B&PA Research Center, will follow with a presentation on "The State Economic Outlook." Following the lunch break, Peter Mueser, associate professor of economics, will present "Welfare Reform and Welfare to Work." Registration is required, contact 882-5565 or akers@missouri.edu.

Courses

SMOKING CESSATION PROGRAM: "De-Light Yourself" is a five session program that provides the support and knowledge needed to stop smoking. Cost: \$50. For more information, call 882-6565.

YOGA CLASSES: Classes are available through the Health Connection in Parkade Plaza. For more information, call 882-1718.

Tuesday, November 9

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

Wednesday, November 10

ACCOUNTING SERVICES TRAINING: "FRS on the Web" will be presented from 9-11 a.m. today and Dec. 1 in the second-floor computer lab in Turner Avenue garage. Registration is required; call 882-3051.

TELECOM COURSES:

• "Using Telephone Features Effectively" will be held from 9-11 a.m. today and Dec. 8.
• "Using Voice Mail Effectively" will be held from 1:30-3:30 p.m. today and Dec. 8.
Both courses will be held in the Telecommunications Building conference room. Registration is required; call 882-2090.

Thursday, November 11

PROCUREMENT COURSE: "Purchasing Fundamentals for Department Staff" will be held from 8 a.m.-noon at 1105 Carrie Francke Drive. Registration is required; call 882-5054.

ACCOUNTING SERVICES TRAINING: "Account Types and Subcodes" will be presented from 9 a.m.-noon today and Dec. 9 in the second-floor conference room in the Turner Avenue garage. Registration is required; call 882-3051.

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 through Dec. 19.
• "Figuring the Human in Twentieth-Century Art" is on display through 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 through next April.

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.

ART FOR LIFE: An exhibition of works by ceramic artist Joe Walls and photographer Chris Flinchbaugh will be on display in the lobbies of the University Hospital and Ellis Fischel Cancer Center through Jan. 5.

BINGHAM GALLERY: *Lár Crois/Fada Dán*, a sculpture by Michael Shaughnessy, will be on display through Nov. 19. The 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.

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 are 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.

Films

Friday, November 5

MSA/GPC FILM SERIES: *Three Seasons* will be shown tonight and tomorrow at 7 and 9:30 p.m. in Memorial Union Auditorium. Free with an MU ID.

Tuesday, November 9

MSA/GPC FILM SERIES: *Les Diaboliques* will be shown tonight at 8 p.m. in Memorial Union Auditorium. Free with an MU ID.

Thursday, November 11

MSA/GPC FILM SERIES: *Rush Hour* will be shown at 7 p.m. tonight in the Black Culture Center. Free with an MU ID.

Friday, November 12

MSA/GPC FILM SERIES: *Radiohead: Meeting People is Easy* will be shown tonight and tomorrow at 7 and 9:30 p.m. in Memorial Union Auditorium. Cost: \$1 with an MU ID.

Lectures and Seminars

Thursday, November 4

INTERNATIONAL AFFAIRS SEMINAR: William Fisch, professor of law, will present "The New International Criminal Court" from noon-1 p.m. in S16 Memorial Union.
INSTRUMENTAL TECHNOLOGY SEMINAR: A session on "Electronic Gradebooks" will give a hands-on overview of products available for use on campus from 1:30-3 p.m. in 305 Hill Hall. Registration is required; call 882-0645 or visit the website at: web.missouri.edu/~muit/html/register.html

MICROBIOLOGY & IMMUNOLOGY LECTURES:

• Virginia L. Miller from Washington University will present "*Yersinia enterocolitica*: A Model Organism for the Genetic Analysis of Virulence" at 2 p.m. in M615 Medical Science Building.
• William E. Goldman, professor of molecular microbiology at Washington University, will present "*Bordetella Toxins and the Respiratory Epithelial Pathology of Pertussis*" at 3:30 p.m. in M615 Medical Science Building.
NUTRITIONAL SCIENCES LECTURE: Shivendra Shukla, professor of pharmacology, will present "Alcohol, the Good, the Bad and the Ugly" at 4 p.m. in 209 Gwynn Hall.

Friday, November 5

MICROBIOLOGY & IMMUNOLOGY LECTURE: Owen White, bioinformatics researcher with the Institute for Genomic Research, will present "Informatics and Annotation of DNA Sequence in a High Throughput Sequencing Facility" at 1 p.m. in S226 Nursing School.

HUMAN ENVIRONMENTAL SCIENCES LECTURE: E. J. Dionne, *Washington Post* columnist and senior fellow at the Brookings Institution, will present the Margaret Mangel Lecture, "America as a Place for Families and Children" at 2 p.m. in the Memorial Union's Stotler Lounge.

GEOLOGY LECTURE: Jim O'Neil from the University of Michigan will present "180/160 Variations in Biogenic Phosphate: Applications to Paleobiology and Paleoclimatology" at 3 p.m. in 108 Geological Sciences Building.

CHEMISTRY COLLOQUIUM: Glen Prestwich from the University of Utah will

Classifieds

EDITING

Professional Editing: Ph.D. in English with twenty years college teaching, experienced in editing, will edit books, articles, proposals, dissertations, major papers, or presentations. 573-446-0959 usual office hours.

GROUPS

Singles group for fun-loving men and women 40-60, holds weekly discussions, social events. Call 441-0217.

THE CLASSIFIED ADVERTISING SECTION is open to faculty and staff members, and retirees.

A home phone number is required in all ads. No refunds will be given for cancelled ads. Ads must be typed.

Rates: 30-word maximum \$7.50.

Deadline: Noon Thursday of week before publication.

Mizzou Weekly Classifieds: Make your check payable to University of Missouri and send to *Mizzou Weekly*, 407 Reynolds Alumni Center, Columbia, Mo. 65211. Attention: Will Miller.

present "Affinity Probes for Phosphoinositide Binding Proteins: Chemical Cell Biology in Action" at 4 p.m. in 103 Schlundt Hall.

Monday, November 8

CARDIOVASCULAR RESEARCH

SEMINAR: Charles Bourque, associate professor and senior scientist at Montreal General Hospital and McGill University, will present "Multiple Roles of Mechanosensitive Ion Channels in Osmoreceptor Neurons" from noon-1 p.m. in Room 133 Dalton Cardiovascular Research Center.

PUBLIC AFFAIRS LECTURE: Richard Nathan, professor of political science and public policy at the University of Albany, will present "The Devolution Revolution in American Domestic Policy: A Really New Federalism" from 3:30-5 p.m. in Reynolds Alumni and Visitors Center.

PHARMACOLOGY LECTURE: S. J. Enna from the Department of Pharmacology, Toxicology and Therapeutics at the University of Kansas, will present "Pharmacological and Molecular Properties of GABA-B Receptors" at 4 p.m. in M558 Medical Science Building.

PEACE STUDIES SYMPOSIUM: Josephine Dey, a native of Poland and a Nazi labor camp survivor who now teaches art at Sedalia's Smith-Cotton High School, will present "Revolutionary Posters from Central and Eastern Europe" at 7 p.m. in 106 Pickard Hall. A reception will follow in the Bingham Gallery in the Fine Arts Building.

Tuesday, November 9

INSTRUCTIONAL TECHNOLOGY

SEMINAR: This session will focus on a "MOO" chat room and will explore how virtual elements can enhance the learning experience from 2-4 p.m. in 214 Arts and Science Building. Registration is required; call 882-0645 or visit the website at: web.missouri.edu/~muit/html/register.html

BIOLOGICAL SCIENCES LECTURES:

Paul Blount from the University of Texas Southwestern Medical Center will present "Bacterial Mechanosensitive Channels: From Physiology to Channel Structure" at 3:30 p.m. in 18 Tucker Hall.

Wednesday, November 10

MIDDAY GALLERY EVENT: Artist and weaver Barbara Overby will present "Between the Threads: A Look at

Contemporary Weaving Techniques" at 12:15 p.m. in the Museum of Art and Archeology in Pickard Hall.

EXCELLENCE IN TEACHING

SEMINAR: "Creating Interactive Learning Environments," will discuss rational and research findings for getting students more involved in their own teaching and learning, followed by an overview of various teaching and learning techniques. The event will be held from 3:30-5 p.m. in N203 Memorial Union.

GLOBAL SCHOLARS LECTURE: Daniel Naegele, assistant professor of environmental design, will discuss photographs he took on a trip to China this summer organized by MU's Global Scholars Program at 4 p.m. in Memorial Union Auditorium.

BIOLOGICAL SCIENCES SEMINAR: Toby Kellogg from UM-St. Louis will present "Evolution of Flowers and Inflorescences in Grasses" at 4:30 p.m. in 106 Lefevre Hall.

Thursday, November 11

INTERNATIONAL AFFAIRS SEMINAR:

Huaiyin Li, visiting assistant professor of history, will present "50 Years of the People's Republic of China: A Microhistorical" from noon-1 p.m. in S16 Memorial Union.

NUTRITIONAL SCIENCES LECTURE:

Tzhy-Chang Hwang, assistant professor of physiology, will present "Cystic Fibrosis: What is Wrong and How Can We Help?" at 4 p.m. in 209 Gwynn Hall.

ENVIRONMENTAL ENGINEERING

LECTURE: John Madras, chief planner for the Missouri Department of Natural Resources water pollution control program, will present "Total Maximum Daily Load Program in Missouri" at 7:30 p.m. in N222/223 Memorial Union.

Friday, November 12

CHEMISTRY COLLOQUIUM:

Dale Boger from the Scripps Research Institute will present "Five Natural Products and Five Solutions to the Sequence-Selective Recognition of DNA" at 4 p.m. in 103 Schlundt Hall.

GEOGRAPHY LECTURE:

Karen Piper, assistant professor of English, will present "A Nazi But a Sportsman: Count Almasy and the Cartography of *The English Patient*" at 4 p.m. in 100 Stewart Hall.

Meetings

Thursday, November 4

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

Wednesday, November 10

HISPANIC & LATIN AMERICAN FACULTY & STAFF ASSOCIATION:

The association will hold its first assembly to approve its constitution and to elect officers at 7 p.m. in Gannett Hall's Tucker Forum. For more information, e-mail lindallm@missouri.edu.

MU WOMEN'S NETWORK: The Women's Network meeting will begin at noon, with a presentation from Roxie Campbell from Rockbridge State Park, on "Bats to the Rescue: Our Natural Nighttime Bug Zappers" from 12:15-1:15 p.m. All events will be held in 234-235 Brady.

Thursday, November 11

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

Special Events

Friday, November 5

COMPUTING OPEN HOUSE: Residential Life, Campus Dining Services and IAT Services will hold an open house from 1:30-3 p.m. at the new computing site in Pershing Commons. The new site offers 40 IBM computers and an area for laptops to access the campus network.

Saturday, November 6

MATERNITY FAIR: Small Miracles Maternity Fair, for those thinking of starting a family, are pregnant, or have just delivered, will be held today from 10 a.m.-noon in the main lobby of University Hospital and Clinics.

Sunday, November 7

DIABETES DAY: The 8th annual Diabetes Day will be held from 1-3:30 p.m. in the Cosmopolitan International Diabetes Center in University Hospital and Clinics. Marcia Draheim, certified diabetes educator from St. Luke's Hospital in Cedar Rapids, Iowa, will present "Approaching Diabetes with

Humor and Perspective." There will be door prizes, free product samples, refreshments and a visit from Truman the Tiger. With questions, call 882-2273.

Friday, November 12

TIGER FOOTBALL UPDATE: Coach Larry Smith will update faculty, staff and retirees on the Tigers' season at a luncheon at noon in the athletic dining hall in the Tom Taylor Building. Cost: \$5. Reservations required, call 882-2076.

GENERAL STORES OPEN HOUSE: The grand reopening and open house for General Stores will be held today from 1:30-3:30 p.m. at their new location of 1400 Rock Quarry Center.

FOR THE
RECORD

The folks back home would love to know how students from their communities are doing at Mizzou. There is a connection through the MU News Bureau and it's called Hometown Connection. The program is responsible for promoting the achievements of MU students through their hometown newspapers. These news releases about students' grants, scholarships, research projects or organization activities give them well-deserved recognition and promote the University as a whole.

For information on how you can help, call 882-7869, e-mail PeckJ@missouri.edu, or visit the program website at: web.missouri.edu/~hometown

Correction: An article on the Faculty Council in the Oct. 28 issue of Mizzou Weekly gave incorrect academic titles for two council members. Glenn Pierce is professor of Italian; Dan Edidin is associate professor of mathematics.

OPEN HOUSE

GENERAL STORES

FRIDAY, NOVEMBER 12
1:30 — 3:30 P.M.

General Stores invites all University Faculty and Staff to join us for our **Grand Reopening & Open House** at our new Distribution Center.

COME VISIT GENERAL STORES...
AGAIN FOR THE FIRST TIME!

New Location!

Ribbon Cutting Ceremony @ 2:00 p.m.
Personal Tours from General Stores Staff
Product Samples
Door prizes
Refreshments
On-line Requisitioning


1400 Rock Quarry Center
AKA "The Rock"

882-6906

"BRINGING COMMITMENT TO A HIGHER EXCELLENCE"

1999 Monroe -Paine Lecture
in Public Affairs

*The Devolution Revolution in American Domestic Policy:
A Really New Federalism*



DR. RICHARD P. NATHAN
Distinguished Professor of Political Science & Public Policy and Director of the Nelson A. Rockefeller Institute of Government, University at Albany, State University of New York

MONDAY, NOVEMBER 8, 1999
3:30 to 5:00 p.m.
Reynolds Alumni Center
Columns C

Sponsored by: Graduate School of Public Affairs
University of Missouri-Columbia

MIZZOU PEOPLE

Awards & Honors

John Bauer, professor of internal medicine, received the 1999 Alumni Achievement Award in June from the Jefferson Medical College Alumni Association for his achievements in patient care, teaching and research.

A 1974 book co-written by **Bruce Biddle**, professor of psychology and sociology, titled *The Study of Teaching*, was selected by the Museum of Education at the University of South Carolina for its "Books of the Century" exhibition. Books were selected to recall the century and its tremendous changes; the project will be featured in a December issue of Education Week.

Bill Bondeson, professor of philosophy and of family and community medicine, was one of six new members named to the Academy of Missouri Squires in October by Gov. Mel Carnahan. The academy, which is limited to 100 people, honors Missourians who have made lasting contributions to their communities, the state and nation.

Meera Chandrasekhar, professor of physics, was a 1999 Presidential Awardee for Excellence in Science, Mathematics and Engineering Mentoring. Chandrasekhar, who was one of 10 national winners, will receive a \$10,000 stipend to fund her mentoring program. She also received the Governor's Award for Excellence in Teaching from Gov. Mel Carnahan for her excellence and success in nurturing student achievement.

The College of Agriculture, Food and Natural Resources website received a first-place award in the student recruiting category from the National Ag Alumni and Development Association. The website was developed by **Lori Compas**, an editor with Extension and Agricultural Information. The College of Business presented Outstanding Staff Service Awards in July to **Jacque Dunn**, director of external relations, and to **Nancy Stull**, director of undergraduate advising.

James Groccia, director of the Program for Excellence in Teaching, received the Clara Louise Meyers Lectureship Award from the MU School of Social Work in May at the school's annual Spring Renewal Institute.

Christopher Hardin, assistant professor of physiology, is the first recipient of the Dorsett L. Spurgeon M.D. Distinguished Medical Research Award, which recognizes outstanding achievements by medical researchers at MU in the early stage of their research careers and carries a \$5,000 stipend. Hardin's research studies how muscle layers of blood vessels and other organs metabolize fats and carbohydrates in the blood, and has implications for better understanding of atherosclerosis and heart diseases.

John Hogg, clinical assistant professor of physical medicine and rehabilitation, received the Outstanding Federal Advocacy Coordinators Award in March from the American Psychological Association practice directorate at the association's state leadership conference in Washington, D.C.

The **IAT Services Marketing and Communications** group won a national award in the reference guides category for its "Mizzou Students Pocket Guide to Computing & Telecommunications" from the Association of Computing Machinery special interest group on university and college computing services.

Michael Middleton, deputy chancellor and professor of law, received the 1999 Spurgeon-Smithson Award in September from the Missouri Bar. The award honors judges, teachers of law and lawyers for outstanding service for the increase and diffusion of justice.

The **Missouri Resource Assessment**

Partnership, an MU program that develops Missouri maps and environmental data for state and federal agencies, received a Certificate of Environmental Achievement from the environmental organization Renew America.

Resolutions from the Missouri House of Representatives honored seven members of the University Outreach and Extension in June for their service to Missouri citizens. They are: **Ron Powers** UM associate vice president; **Jim Preston**, director of field operations; **Don Fancher**, vice provost for extension; **Barb Froke**, human environmental sciences extension director; **Lu Harper**, outreach and extension southwest region director; and **Norlin Hein**, agricultural extension program director.

Evan Smith, university and non-credit coordinator at the Center for Distance and Independent Study, received the annual Specialty Books Award from the the Adult Higher Education Alliance for his research proposal, "How Faculty Gear the Language of Distance Education Web Courses to Adult Learners."

Arvarh Strickland, professor emeritus of history, recently was presented with the Carter Godwin Woodson Scholars Medallion by the Association for the Study of African-American Life and History, Inc. The award symbolizes excellence in research, writing, scholarship and achievement.

Dennis Stroer, a sergeant with the MU Police Department, received honorable mention for the Officer of the Year Award in June from the Law Enforcement Traffic Safety Advisory Council for his dedication to traffic enforcement.

Sheryl Tucker, assistant professor of chemistry, has been named one of 18 Cottrell Scholars in the nation. The award recognizes faculty who excel in both teaching and research, and carries a \$50,000 stipend to further the faculty member's work.

Nan Unklesbay, professor of food science and human nutrition, was named a fellow of the Institute of Food Science & Technology. The designation recognizes her 25 years work developing safe and nutritious food, including her research on a cold pasteurization process that uses electrons to kill E. coli bacteria in foods.

Weldon Webb, associate dean of medicine for external affairs, received the 1999 Honorary Membership Award from the MU Medical Alumni Organization in April.

Appointments & Promotions

Vairam Arunachalam, associate professor of accountancy, was appointed the Joseph A. Silviso Faculty Fellow in the School of Accountancy. He currently serves as vice-chair and chair-elect of the American Accounting Association information systems section.

Robert Conway, associate professor of physical medicine and rehabilitation, was elected to a two-year term as vice president of the Central Society of Physical Medicine and Rehabilitation through 2001.

Nancy Thompson Piringer, senior technology specialist at MU Extension's Distance Learning Design Center, is the new president-elect of the Missouri Distance Learning Association.

Kathy Thornburg, professor of human development and family studies and director of MU's Child Development Laboratory, began a four-year term in October as president of the National Association for the Education of Young Children.

National & International Presentations

June DeWeese, librarian IV and head of access services at Ellis Library, served on the national conference executive committee and was co-chair of the poster sessions for the National Conference of the Association of College and Research Libraries held in Detroit in April.

Janet Farmer, associate professor of physical medicine and rehabilitation, presented "Child Neuropsychology in Rehabilitation Settings" in February at the International Neuropsychology Society meeting in Boston.

Michelle Gibler, clinical instructor in physical medicine and rehabilitation, in April presented "THINK FIRST New Directors Training at the National THINK FIRST Foundation meeting in New Orleans, and "THINK FIRST for KIDS Curriculum Distribution: The Missouri Model" at the THINK FIRST Coordinators Workshop in New Orleans.

Steve Gnatz, professor of physical medicine and rehabilitation, presented "Future of PM&R Impact of Prospective Payments: The Balanced Budget Amendment" in May

at the American Osteopathic College of Rehabilitation Medicine in Kansas City, Mo. Also at the same program, **Jon Rupright**, assistant professor of physical medicine and rehabilitation, presented "DVT in Rehabilitation Patterns" and **Robert Conway**, associate professor of physical medicine and rehabilitation, presented "Low Back Pain."

James Groccia, director of the Program for Excellence in Teaching, presented "The Student As Customer vs. The Student As Learner: The Meaning of Metaphors" and "More Student Learning, Better Faculty Productivity in First Year Courses: An Academic Oxymoron?" at the International Conference on the First Year Experience in July at the University of Edinburgh in Scotland.

Doris Littrell, director of MU Direct, and **Don Littrell**, professor emeritus of community development, presented "Citizen Participation, Control, Governance and Education" at the annual meeting of the International Association of Community Development in Edinburgh, Scotland.

Dan Naegele, assistant professor of environmental design, gave the following lectures: "The Great Wall and Its Influence on Western Art and Architecture" at the Department of Architecture in Tianjin University, China in June; "Charles Haertling, Boulder Architect" in July at the University of Colorado-Boulder; and lectured on Le Corbusier in October at the University of Western Australia in Perth and the University of Auckland in New Zealand.

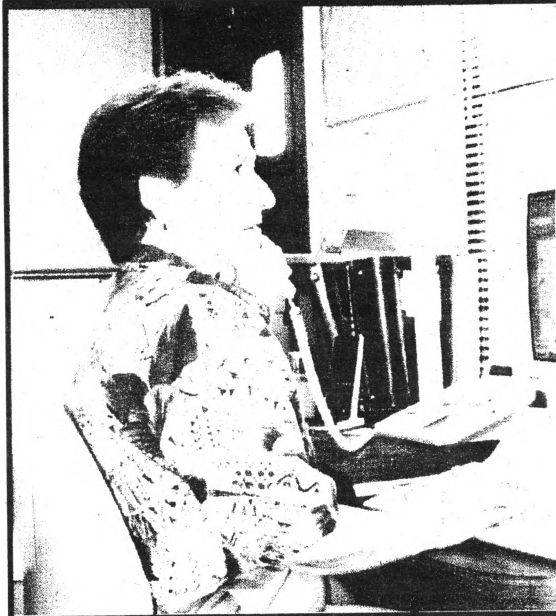
Marcus Price, adjunct assistant professor of anthropology, participated in a panel presentation that explored the dynamics of Japanese and American partnerships at the Global Perspective in the New Millennium Symposium in October in Bloomington, Minn.

Laura Schopp, clinical assistant professor of physical medicine and rehabilitation, presented "The Women's Spinal Cord Injury Project" in March at the Association for Women in Psychology meeting in Providence, R.I.

Fred Springsteel, professor of computer engineering and computer science, was a member of the working group on "Evaluation of Teaching Materials" at the Innovative Technology in Computer Science Education Symposium in June in Krakow, Poland. An article by the working group, titled "Peer Review of Teaching

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Materials" will appear in the November issue of the Bulletin of the Special Interest Group in Computer Science Education.

Raymond Wood, professor of anthropology, presented the keynote lecture, "History, Archaeology and the Fur Trade" in September at the Pronghorn Symposium at the Natural History Museum of Western Wyoming Community College in Rock Springs.

Publications & Creative Activity

Drawings in colored pencil by **William Berry**, professor and chair of art, were accepted in a number of national juried exhibitions, including the Roseville (Calif.) Arts Center; September Fest '99 at Period Gallery in Omaha, Neb.; the Breckenridge (Texas) Fine Arts Competition; the Cheyenne (Wyo.) Artists Guild; the Associated Artists of Winston Salem, N.C.; and the Pleiades Gallery of Contemporary Art in New York.

Jean Brueggenjohan, associate professor of art, had her work accepted in Textile Medium V exhibit at the Arts Chateau Museum in Butte, Mont.

James Calvin, associate professor of art, had his work accepted into the Americas 2000 all-media international juried competition at the Northwest Art Center at Minot (N.D.) State University.

Brooke Cameron, professor of art, had two color intaglio prints, *Florida Postcard* and *Zocalo-Oaxaca*, selected for the International Miniature Art Show in May at the Seaside Gallery in Nags Head, N.C.; and in September had her works exhibited at Kansas State University where she was a visiting artist.

Keith Eggener, assistant professor of art history and archaeology, wrote the lead article, titled "Postwar Modernism in Mexico: Luis Barragan's Jardines del Pedregal and the International Discourse on Architecture and Place," in the June issue of the *Journal of the Society of Architectural Historians*.

Mardy Eimers, senior analyst in the UM Office of Planning and Budget and adjunct assistant professor of educational leadership and policy analysis, wrote "Working With Faculty from Different Disciplines" in *About Campus: Enriching the Student Learning Experience*.

Steve Gnatz, professor, and **Robert Conway**, associate professor, both in the Department of Physical Medicine and Rehabilitation, co-wrote "The Role of Needle Electromyography in the Evaluation of Patients with Carpal Tunnel Syndrome" in the journal *Muscle and Nerve*.

Kristofer Hagglund, associate professor of physical medicine and rehabilitation, is co-author of "Trends in Medical Rehabilitation Delivery and Payment Systems" in *Medical Aspects of Disability*, published by Springer Publishing.

Adrienne Hoard, associate professor of art, had her work accepted into the Black Women in the Academic exhibit at Howard University in Washington, D.C.

Larry Kantner, professor of art, had two works selected for the Westmoreland (Pa.) Art National Juried Exhibition in July. His photo intaglio print, *Cheers*, was accepted into the International Miniature Art Show in Nags Head, N.C.; and his viscosity print, *Forgotten Moons of Mars*, was in the CounterPoint 1999 exhibit at the Hills Country Arts Foundation in Ingram, Texas.

John Klein, associate professor of art history and archaeology, wrote "Objects of Desire and Irresistible Forces: Matisse Between Patrons, Collectors and War" as the introduction to *Henri Matisse: Four Great Collectors*, published by Statens Museum for Kunst in Copenhagen, Denmark in February.

Dan Naegele, assistant professor of environmental design, wrote reviews of Adolf Max Vogt's *Le Corbusier, the Noble Savage*, and of Ivan Zaknic's *The Final*

Testament of Pere Corbu published in the Fall 1999 issue of *Harvard Design Magazine*.

Gil Porter, professor of English and director of the General Education Program, wrote the bio-critical essay "Ken Kesey" which appeared in the *Dictionary of Literary Biography*, volume 26, published by the Dale Group.

Ana Rueda, associate professor of Romance languages, is the author of the book, *Pigmalion y Galatea: Refracciones modernas de un mito*, published by Editorial Fundamentos in Madrid, Spain.

Josephine Stealey, associate professor of art, had her work, *Timekeeper*, accepted into the All Things Considered juried exhibition at the Arrowmont School of Arts and Crafts in Gallatinburg, Tenn. She received the Award of Excellence in Paper for her work, *Art Nourishes the Soul, Soul Sustains Art*, at the Fiber Focus '99 at the St. Louis (Mo.) Design Center.

Have you been promoted, won an award or presented a paper recently? The 'People' column wants to know about it. Send your news to John Beahler at 407 Reynolds Center. But please be patient; we receive many entries, and publish them in the order in which they are received.

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MIZZOU IN THE MEDIA

John Alspaugh, professor of educational and counseling psychology, was featured in an article by United Press International for his research on the relationship between school transitions and the dropout rate.

Research by **Jerry Atwood**, professor and chair of chemistry, on recent discoveries in nanotechnology was the subject of an article in the Aug. 16 Chemical & Engineering News.

Allen Bluedorn, professor of management, was featured in an article in the June 20 Daytona Beach Sunday News-Journal and in the publication Successful Meetings for his research on stand-up business meetings.

Jack Burns, vice provost for research, was quoted in a July 9 article in the Kansas City Business Journal about the recent capital seed fund bill signed by Gov. Mel Carnahan.

Significant gifts to the **College of Business** were mentioned in briefs in The Chronicle of Higher Education and in the Chronicle of Philanthropy

Research on the changing nature of families by **Marilyn Coleman** and **Larry Ganong**, professors of human development and family studies, about the perception that mothers are better care givers than fathers was featured in a news brief at the BabyCenter website in July.

Harris Cooper, professor of psychology, was quoted in the June 25 Chicago Sun Times and the June 7 Sheboygan (Wis.) Daily Tribune for his studies on summer school. That research also was featured in numerous other publications, including two articles in the July 5 Cleveland Plain Dealer; the July 26 online publication of the Allentown, Pa., The Morning Call; the Wilmington, Del., News Journal; the Cincinnati Enquirer; the Jacksonville (Fla.) Advocate; the New York Times; and online editions of the Columbus (Ohio) Dispatch and the Fresno (Calif.) Bee.

Research by **Joe Engeln**, associate professor of geological sciences, on earthquakes in the New Madrid fault zone was featured in the June edition of Best's Review and in the Cleveland Plain Dealer.

Mary Flanders, senior veterinary technician, was featured in a June 30 article in the The Standard: Sport & Companion Animal News for her certification in critical care.

Cyndi Frisby, assistant professor of advertising, was featured in an article in the Aug. 19 Memphis, Tenn., Commercial Appeal, the Sept. 12 Edmonton, Canada Sunday Journal, and on the online health news service HealthSCOUT for her research on men and women's use of television remote controls and channel surfing.

Glenn Good, associate professor of educational and counseling psychology, was quoted in the Sept. 20 Christian Science Monitor as a "guy expert" in a feature about baseball player Sammy Sosa.

Craig Israelsen, associate professor of consumer and family economics, was quoted in the Sept. 5 Orange County (Calif.) Register and the Sept. 6 Cleveland Plain Dealer, and in the Sept. 20 Houston Chronicle in stories about college students and credit cards.

Henry Liu, professor of civil engineering, was quoted in the Sept. 4 online edition of CNNfn, for his work on capsule pipeline research.

MU Direct's innovative MU High School distance education program was featured in the Aug. 24 Alton, Ill. Telegraph.

Michael Podgursky, professor and chair of economics, was quoted in the Indiana Star in an article about the national teacher shortage and decisions on teaching qualifications, and in the Sept. 30 USA Today for his research on teacher salaries and teacher quality.

MU's **Printing Services** was featured in the July edition of In-Plant Graphics for its Best of Show Award at the national In-Print '99 contest.

The **College of Veterinary Medicine** was featured in a June 5 story in the Quincy, Mass., Patriot Ledger and in the August issue of Feline Practice about MU surgeons' hip replacement surgery on a snow leopard from the Kansas City Zoo. The October issue of Dog Fancy mentioned a study under way at the college to collect DNA from Welsh terriers to identify the genes that play a role in glaucoma.

The **University of Missouri-Columbia's** purchase of Columbia Regional Hospital was featured in two July 24 online articles by MSNBC. The University also was mentioned in the June 24 issue of Black Issues in Higher Education for a \$2.4 million grant it received from the National

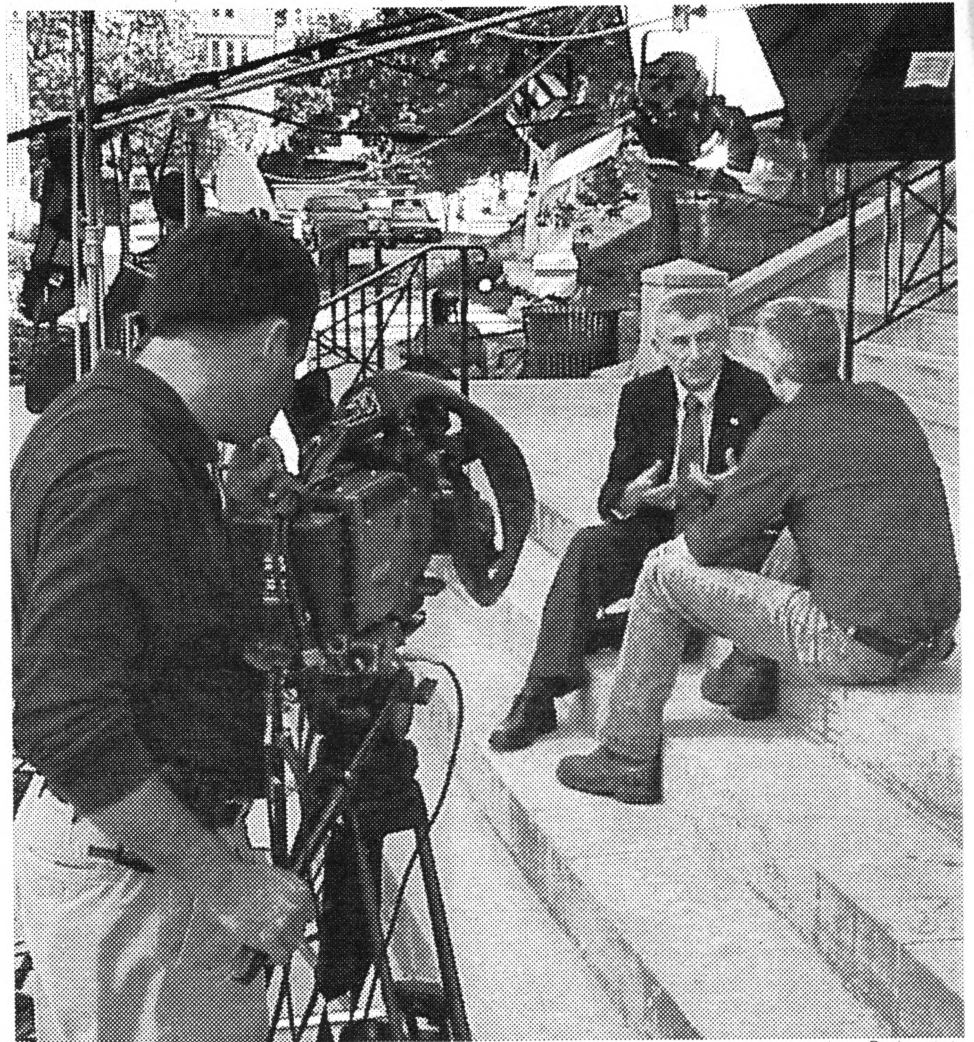
Science Foundation to advance minority graduate education. MU's No. 1 ranking in U.S. News & World Report was the subject of articles in the Centralia (Ill.) Morning Sentinel and the Springfield, Ill., State Journal-Register.

Fred vom Saal, professor of biological sciences, was quoted in the May 31 Vancouver Sun and the June 2 Oakdale (Calif.) Leader for his research on plastics chemicals that could lead to reproductive and endocrine disorders in humans. That research also was featured in articles in the Cleveland Plain Dealer, the Washington Post, the Nashville Tennessean, the San Francisco Chronicle, the Miami Herald and

the online edition of Plastics News. Chancellor **Richard Wallace** was quoted in the Aug. 13 issue of The Chronicle of Higher Education about the National Science Foundation emphasis on more grants for environmental research and education.

Tom Sharpe, MU's new director of the Office of Technology and Special Projects, was featured in an article in the Oxford (Miss.) Eagle in July when he accepted his current position

Bob Young, co-director of the Food and Agricultural Policy Research Institute, was quoted in an Aug. 4 Christian Science Monitor article about the farm crisis.



Larry Boehm photo

A piercing revelation

Psychiatrist explores fine line between fashion and self-mutilation.

Armando Favazza, professor of psychiatry and an expert in the psychological causes of body modification and self mutilation was featured Oct. 28 on ABC's new show, 20/20 Downtown.

Favazza, who was highlighted in the Sept. 5 edition of Time magazine, spoke about the causes, results and symptoms of self-mutilation. Immediately following the broadcast, Favazza answered viewer questions live and on-line.

While every generation seeks more dramatic ways to define itself, there is a growing subculture that is exploring the fine line between fashion and mutilation. In his book "Bodies Under Siege", Favazza described in chilling detail symptoms of pathological self-mutilation — the nonsuicidal, repetitive episodes of inflicted self-injury, more often in women than men, through head banging, skin cutting and burning.

Favazza has studied the phenomenon of body modification and chronic self-mutilators for approximately 20 years. During that time, he has been credited in national and international newspaper and broadcasts and research studies.

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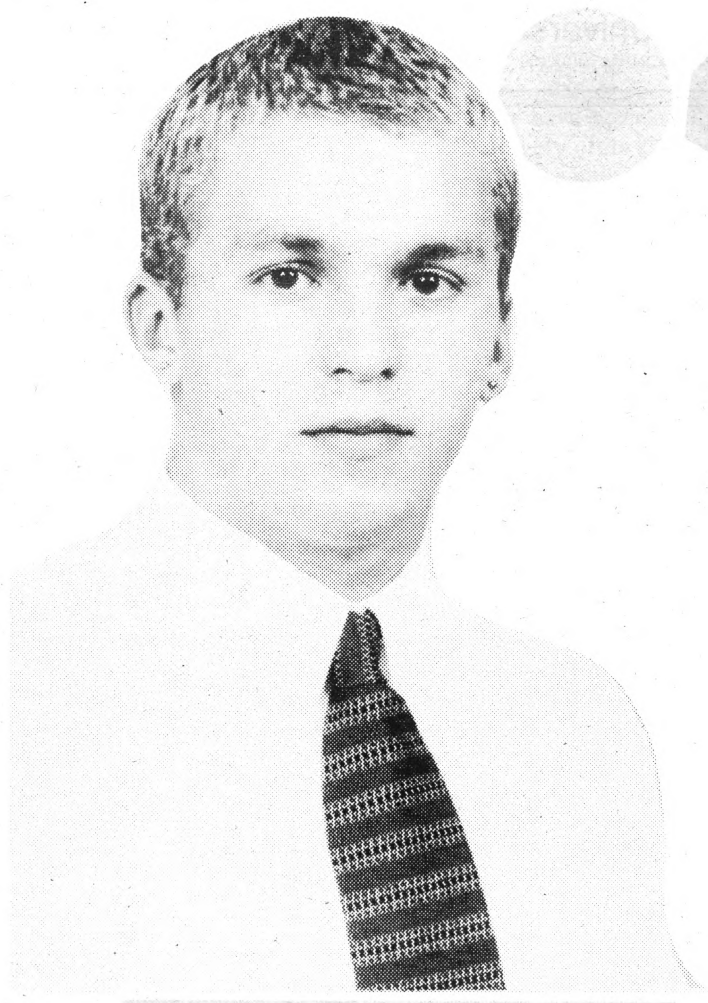
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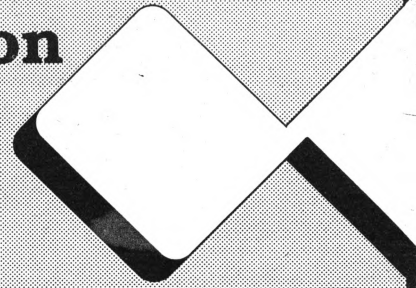
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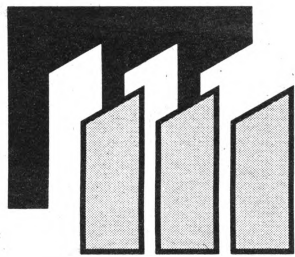
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