

MIZZOU

W E E K L Y

University of Missouri-Columbia Oct. 24, 1996

INSIDE THE WEEKLY

Page 2: MU's parking committee hears an update on the new excessive ticket policy

Page 3: Health Sciences Center receives \$4.1 million grant for rural telemedicine project

Meeting the challenge of managed health care

A "strategic audit" conducted by a national consulting firm has found that the Health Sciences Center is on the right track in facing the challenges that managed care is bringing to the nation's academic medical centers.

"Strategic planning in the health-care industry today is particularly challenging. It is very much a moving target with a rapidly evolving marketplace," David Steinman of APM Management Consultants told the Board of Curators health sciences committee at an Oct. 16 meeting in Columbia.

Steinman told the curators that his firm had looked at the strategic initiatives that either are under way or are being planned by the Health Sciences Center. "We were able to conclude that these were very much consistent with the requirements of the changing marketplace," he said.

Lester Bryant, dean of medicine, noted that as the Health Sciences Center focuses on the future, it has to take into account the increasing competition in the medical marketplace

"If the Health Sciences Center is to continue to serve the state of Missouri, the Health Sciences Center and the University are going to have to accommodate what's going on in the health-care industry around the entire nation," Bryant said. To accommodate that changing medical market, the University will have to invest significant capital.

The Board of Curators is expected to take action today on a \$100 million bond proposal that will fund the new ambulatory care center currently under construction, a critical care addition to University Hospital, primary care clinics, and information and computer systems.

In the recent past, University Hospital and Clinics has used mostly cash to finance its capital projects. That focus is changing as the health center's growing financial strength makes bond issues a more economical alternative than using cash, said Jim McGill, UM System executive vice president. "We're in the position to go to the (bond) market because of the strength of the performance in the last few years."

If curators approve the bond sale, McGill said the University would likely place those bonds on the market shortly after the presidential election in November. McGill also noted that interest rates on bonds are close to a 20-year low. "If we are going to borrow in the near future, this is a very attractive time to do," he said.

Curators also were briefed on ongoing negotiations between University Hospital and Capital Region Medical Center in Jefferson City. The two organizations have signed a letter of intent to enter a six-month exclusive negotiating period regarding a proposed affiliation. During those negotiations they will share detailed information about their operations. Bryant stressed that any agreement that may be reached will not involve the purchase or sale of either facility.

"Exploring a partnership with Capital Region Medical Center is in keeping with the Health Sciences Center's strategic plan to strengthen its regional health-care delivery system," Bryant said. "We are actively pursuing this initiative as we work to meet the needs of mid-Missouri patients and build a network that will enhance our clinical and academic programs."

In addition to evaluating University Hospital's strategic plan, the consulting firm also performed a detailed assessment

of the University's 30-county medical market in mid-Missouri and forecast how changes in health care markets may impact the future of the Health Sciences Center.

APM has worked with the nation's consortium of academic medical centers to develop a model of the changing health-care marketplace. That model ranges from unstructured markets with little impact from managed care to a market with managed competition where a few dominant HMOs control more than half the health-care dollars.

"Columbia is still very much in the unstructured phase, which means that many of the pressures and forces that have been brought to bear in other areas are only beginning to be seen in this marketplace," Steinman said. "St. Louis and Kansas City are farther along in the process."

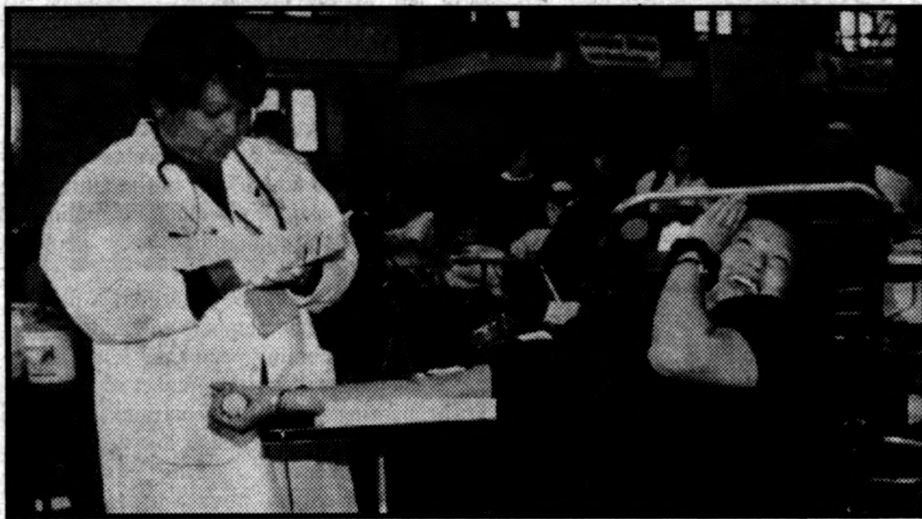
Continued access to a large patient population base is "the single most important piece of the puzzle" in maintaining the Health Sciences Center's strong bottom line, he said. Steinman added that APM's market assessment demonstrated that University Hospital's patient base would need to grow from the current 100,000 patients to 175,000 in four years.

He also noted that Health Sciences

See Hospital, Page 4

Freshman Gene Yu gets some comfort from hearing she's helped Mizzou's effort to break its own world record for blood drives set in 1990. The blood drive has been part of Homecoming at MU for 10 years.

Nancy O'Connor photo



The tradition continues

MU celebrates its 85th Homecoming this weekend.

When MU first came up with the idea for Homecoming in 1911, no one knew it would go this far. It all started when the presidents of the conference schools ruled that all football games be played on college campuses. Since 1891, the annual game between the Missouri Tigers and longtime rivals the Kansas Jayhawks had been played in either Kansas City or St. Joseph, Mo. But because of the new ruling, the MU vs. KU game in 1911 would be played in Columbia.

MU officials worried that alumni from around the state wouldn't risk the long trip to attend the game, so they came up with a gimmick: Homecoming. It worked. More than 10,000 people packed onto Rollins Field on Nov. 25 to watch the Tigers tie the

Jayhawks 3 to 3, said former athletic director Chester L. Brewer. And this year, MU celebrates "Paws and Stripes Forever," the 85th Homecoming celebration.

That first Homecoming consisted of a pep rally on Friday and a Saturday morning parade with alumni holding banners proclaiming their graduation dates. Much has changed since then; this year the campus started gearing up for Homecoming three weeks before the game.

Although more time is now spent on Homecoming, most of the main elements of Homecoming have stayed the same. The celebration still centers around a football game—this year MU takes on Oklahoma State University. The parade and the pep rally are old constants, although they are more elaborate these days. Student floats include mechanical figures that wave to the crowd and some politicians have joined the parade as well.

The crowning of Homecoming queen is

an old custom that dates from 1933, and MU students have been selecting a Homecoming king since the 1970s. House decorations are another aspect of Homecoming that have stood the test of time. For at least 60 years, students have been creating these fantastic displays out of wood, tissue paper, paint and plaster. This year, viewers can catch the decs on Friday night starting at 7 p.m. in Greektown.

Talent shows are also a Homecoming tradition. For this year's talent theme, "Paws to Remember," students incorporate a prominent or historical political figure into a children's storybook, for example Harry Truman meets Dr. Suess' *Green Eggs and Ham*. The talent competition finals will be held on Saturday at 6:30 p.m. in Jesse Auditorium.

All student Homecoming activities aren't as visible as these, however. A big part of MU Homecoming is community service, says Ashley Thomson, student co-

director. For the past 10 years, students have been focusing more of their time on community service. Students donate blood to the Red Cross blood drive. For the fifth year in a row, students helped build homes for families in need through the Habitat for Humanity program.

Though times have changes and activities have become more community centered, MU's Homecoming remains one of the University's great traditions. Take it from Bus Entsminger, this year's grand marshal: "Homecoming is one of MU's outstanding contributions to the world of education."

SCHEDULE OF WEEKEND EVENTS

Thursday: Spirit rally at 8 p.m. on Stankowski Outdoor Recreational Complex

Friday: House Decorations at 7 p.m. in Greektown

Black Alumni Organization Reception at 7 p.m. in Jesse Hall Rotunda

Saturday: 5k run/walk at 7:30 a.m. starts at Memorial Union

■ Homecoming Breakfast at 8 a.m. at Reynolds Alumni and Visitor Center

■ Parade at 9:30 a.m. starting at Jesse Hall

■ MU Alumni Association Tailgate at 11 a.m. at tent area south of Hearnes Fieldhouse

■ Black Alumni Organization barbecue at 11:30 a.m. at Black Culture Center

■ Homecoming Game at 1 p.m. at Faurot Field

■ Mizzou Revue Talent Finals at 6:30 p.m. in Jesse Auditorium

Sunday: Homecoming Finale Concert, Hootie and the Blowfish at 8 p.m. in the Hearnes Center.

**OPEN MEETINGS
EXPLAIN UM BENEFIT
CHANGES**

Once again it's time for University employees to make decisions on any changes to their benefit plan — such as medical and life insurance. To help faculty, staff and retirees decide on their options, Faculty and Staff Benefits is holding a series of open meetings to explain changes in the plan. Representatives from the benefits office and from the managed health care companies that provide services to the University will be available at the following times and locations:

•October 31 at 8:30 and 10:30

a.m. and at 1:30 p.m. in Memorial Union Auditorium

•November 4 at 2 p.m. in Room 707 Ellis Fischel Cancer Center

•November 5 at 8 a.m. in Room 707 Ellis Fischel Cancer Center

•November 7 at 8 a.m. and 3:30 p.m. in University Hospital Room M328

•November 8 at 2:30 p.m. in S203 Memorial Union.

University employees should receive the enrollment materials by the first of next week. The enrollment deadline is Nov. 22.

**ONE ECLECTIC
EVENING**

Those who attend the University Singers concert Oct. 27 are in for an evening of eclectic entertainment. A performance of Jackson Berkey's *Native American Ambiances* will open the concert. The mixed media work for chorus includes sung and spoken texts which are translations of texts by historic native American leaders Chief Seattle, Sitting Bull and Black Elk. Hilda Neihardt, daughter of the late poet and former MU professor John Neihardt, will narrate her father's work. Composer Berkey will accompany his work on the American flute.

The concert also features the world premiere of two new works by MU faculty composers John Cheetham and Daniel Willett. Cheetham's *Three Elizabethan Part-Songs* consists of three settings of poems from the golden age of English poetry. Willett's *Nero ed Oro (Black and Gold) Overture* should be a crowd pleaser. It parodies a Rossini opera overture and incorporates three MU fight songs: *Every True Son*, *Old Missouri*, and *Fight, Tigers*. The concert begins at 8 p.m. Oct. 27 at First Baptist Church, 1101 E. Broadway. The concert is free, but a \$3 donation is recommended.

**GARDENERS, GET
READY FOR A COLD
SNAP**

It's that time of year for gardeners to be wary of a deep freeze. "Whether a cold snap will kill flowers or ruin what's left of vegetables is a matter of degrees," says Denny Schrock, MU state extension horticulturist. "Most will survive 30 to 31 degrees, but if temperatures drop to the mid or upper 20s, it's time to move fast. Schrock suggests these strategies:

In a light freeze, put row covers and blankets over gardens and flowers. Move container plants in or near the house.

With a hard freeze, harvest what

**Parking
& Transportation
Services**

Turner Avenue Garage
Level 2
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Due to construction west of Vet Med, the east campus drive just south of Rollins will be closed for three days starting Oct. 28. Please use caution in the area.

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MIZZOU
WEEKLY

**Parking committee
charts agenda items**

Construction plans are on track for a proposed new parking garage on Hitt Street, Kee Groshong told members of the MU parking committee at the group's first meeting of the academic year Oct. 10.

Groshong, vice chancellor for Administrative Services, said the 1,800-space garage would add parking for as many as 1,600 students in the heart of campus. The Board of Curators is expected to vote on the construction contract at its meeting today.

Construction of the Hitt Street garage is scheduled to begin in January, said Jim Joy, director of Parking and Transportation Services. Nearly 200 employees who presently park in the affected area will be relocated to other nearby lots. "We will probably eliminate metered parking in the University Avenue garage during construction in order to accommodate those people," Joy said.

The committee identified a number of issues that members will address during the coming year. One issue on the agenda will be the impact of reserved parking spaces for department vehicles.

Currently, requests by departments for reserved parking spaces are addressed on a case-by-case basis. Reserved spaces provide convenient parking for departmental vehicles, especially when multiple drivers use the same car during the day, Joy said. "But when that car is gone for the day, no one else can use that space." He asked the committee to look at whether a different fee structure should be used for reserved spaces.

The parking committee also heard an update from Joy about a new policy that went into effect this fall aimed at curbing excessive parking violations. Under the policy, people who receive more than five parking tickets in the same academic year will have a \$15 extra charge added to the regular parking fine. After the tenth ticket, the extra charge increases to \$50 per ticket.

The ticket count started the first week of September, Joy said, and already nearly 100 warnings have been

The parking committee also heard an update about a new policy that went into effect this fall aimed at curbing excessive parking violations. Under the policy, people who receive more than five parking tickets in the same academic year will have a \$15 extra charge added to the regular parking fine. After the tenth ticket, the extra charge increases to \$50 per ticket.

mailed out to faculty, staff and students. Several people, Joy noted, already have received 20 parking tickets in the first month of school. "Next spring we'll evaluate the program to see if it helped with parking compliance and reduced the need to tow cars," Joy said. "That's what we're really after."

Another item on the committee's agenda this year will be to review the mass transit program on campus, which includes the shuttle buses that run between the heart of campus and commuter lots at Trowbridge and Hearn centers. Currently, the buses run from 6:30 a.m. to 3 a.m. "The buses are utilized to full capacity during the day," Joy said, and added that the parking group could discuss whether to modify the night routes to include on-call service for students, or to provide transportation to points beyond campus.

you can — fast. Tomatoes and peppers can be harvested while they are still green. Beans can be picked, no matter how big they are. "Don't worry about root crops like carrots, turnips, potatoes and beets. The tops will die and you can dig out what's underground at your leisure," Schrock says.

SMART MONEY

The public can preview the future of business education at 4 p.m. today when the College of Business and Public Administration sponsors a videoconference featuring Warren Buffett, the nation's second wealthiest person according to *Forbes* magazine, and Mike Bloomberg, president and founder of Bloomberg Financial Markets.

The event will be held in Ketchum Auditorium - W1000 Engineering Building East — and will demonstrate the technology that will be featured in the new B&PA building, which will make

such events available to B&PA students and faculty on a regular basis.

Buffett is chairman of Berkshire Hathaway, Inc., a manufacturing, publishing and retailing corporation located in Omaha, Neb. Bloomberg founded Bloomberg Financial Markets in 1981, creating a premier information and analysis system on Wall Street. Audience members will have the opportunity to participate in a question-and-answer session with the speakers.



TIGER TALK

Football head coach Larry Smith will serve up some straight talk about the Tiger football program Nov. 1 at the last of three luncheons that he will host this fall for MU faculty, staff and retirees. The luncheons are a good way for the MU community to keep up to date on the team's progress as the Tigers take on the new Big 12 Conference. The event begins at noon Nov. 1 in the Tiger Lounge at Memorial Stadium. The cost is \$5 and reservations are required by Oct. 29. Call 882-2076 to reserve your place on the front line.

Public administration faculty rank in top 10 nationwide

Mizzou's Department of Public Administration has been ranked 10th nationally in overall faculty research productivity, according to a recent article in public administration's top journal, *Public Administration Review*.

The article published the results of a study that was undertaken to determine the extent to which college public administration programs are contributing to knowledge in the field. The article's author examined 11 journals published between 1986 and 1993, and tallied the total number of publications by faculty members in each journal to measure program productivity.

The current study duplicates and

updates two earlier studies of faculty research productivity in public administration. Compared to the last study in 1987, research productivity by public administration faculty has increased 53 percent, the largest increase of any program in the top 20.

"The department has had a strong research culture for many years, so there was a solid foundation," said Guy Adams, professor and chair of public administration. "The college and the campus have helped us build upon this foundation and attain an even higher ranking in recent years."

In addition to the overall ranking, the

article looks at the productivity of programs as a ratio of the number of faculty, since productivity may depend upon faculty size. Publication totals were divided by the number of full-time faculty teaching in the program. In this ranking, MU's department of public administration assumes a position of fourth in the nation.

"The results of this study confirm the adage 'good things come in small packages,'" said Bruce Walker, dean of the College of Business and Public Administration. "That is, although the department of public administration is relatively small in terms of faculty size, its research productivity has been enormous. It's not surpris-

'Although the department of public administration is relatively small in terms of faculty size, its research productivity has been enormous.'

Bruce Walker, dean, business and public administration

ing that the department ranks fourth nationally on a per capita basis, but it's really remarkable that the department ranks 10th for overall research productivity."

Cyber clinic

\$4.1 million telemedicine grant will boost rural health care.

Health-care providers in three rural Missouri communities soon will be racing down the information superhighway.

With a three-year, \$4.1 million contract from the National Library of Medicine, the School of Medicine will expand existing telemedicine capabilities beyond interactive video in Boonville, Brookfield and Macon. The project will put these communities in the forefront of health-care technology in rural America, says Joyce Mitchell, professor of medical informatics and one of the grant's two primary investigators.

"We are partnering with the local health-care systems in these communities to create high-speed computer networks within and between the individual providers, county health departments and specialists at the MU Health Sciences Center," says Mitchell, associate dean for

computing and information technology. "In theory, the more access they have to quality information and to each other, the better they can care for their patients."

With their contract, MU researchers will measure the technology's impact on communications and decision making among providers. They also will examine whether patients notice telemedicine's effect on health-care delivery in their communities.

The project not only will open new lines of communication between participating health-care providers and agencies, but also will put new databases and Internet resources at their fingertips," says Weldon Webb, the school's associate dean for external affairs.

"Rural physicians and allied health professionals often have limited resources and feel isolated from their colleagues in larger medical centers," says Webb, the

project's other primary investigator.

The contract will bring the communities technology that normally is not available in rural areas, allowing providers to keep pace with the information age, Webb says. Participants will be able to use MU's Health Sciences Library as well as the hundreds of health-related sites on the World Wide Web without ever leaving their offices.

According to project evaluation director Barry Kling, the project's Web home page will provide a directory to assist users in identifying accurate, reliable and up-to-date resources. From the Web, physicians will be able to locate articles and abstracts from the *New England Journal of Medicine* and other publications and to research specific diseases such as diabetes.

The Web connections will allow participants to pull up statistics from home pages for such organizations as the Centers for Disease Control and Prevention and the National Institutes of Health. Instead of spending time and money traveling to Columbia for continuing education courses, health-care providers in these three communities will be able to take classes on their computers via the Internet.

Electronic mail will bring an added

dimension to rural health-care providers' ability to communicate. Instead of leaving telephone messages and scheduling time to talk about cases, a home-health nurse can discuss a patient's care with the attending physician via e-mail. Referring physicians can send files or images to colleagues across town or to specialists at the MU Health Sciences Center.

Health-care providers in rural sites often need access to information about their patients who have been referred to the MU Health Sciences Center. The researcher will explore methods to allow physicians to obtain this information electronically in a way that protects patient confidentiality.

The Missouri Telemedicine Network in August announced the installation of sites in 10 rural Missouri communities, including the three involved in this project. The network allows live, interactive video consultations between primary-care and emergency physicians at the rural sites and specialists at MU and the Kirksville College of Osteopathic Medicine/Kirksville Osteopathic Medical Center. "These networks will be an excellent complement to our existing telemedicine services in these communities," says Joe Tracy, MU director of telemedicine.

Hospital

From Page 1

Center revenues contribute \$15 million to \$20 million each year to the University's medical training mission. In order to fulfill that mission of medical research, teaching and clinical service, the "absolute critical ingredient is having continued access to a large patient population," Steinman said. "Not only is it a source of revenue to support all the other missions, it also provides the opportunity for teaching and research which are so critical to a vital academic enterprise.

"The University must support its academic mission through maintaining that financial viability. There is market consolidation currently underway which will continue and intensify in mid-Missouri. Managed care penetration in this market is likely to triple from 10 percent to 30 percent over the next four years. While that's happening, and as a result of that growth of managed care, utilization of inpatient services is likely to drop by 20 percent or more."

The Health Sciences Center strategic plan outlines a number of key objectives that respond to the demands of a managed-care marketplace:

- Develop a model rural health delivery system,
- Work with local communities to strengthen regional health-care delivery system,
- Continued development of a network of primary-care physicians,
- Explore new ways to better meet patient needs and enhance its position in the marketplace,
- Set the standards for quality care.

Stormin' into the next century

Contract extension for Norm Stewart will have him coaching until 2001

Mizzou's longstanding tradition of excellence on the basketball court will continue into the next century under the leadership of Coach Norm Stewart, MU Athletic Director Joe Castiglione announced Monday. Stewart, currently in the fourth year of a five-year contract, will coach until the year 2001 under the contract extension.

"Norm Stewart is the heart and soul of Missouri basketball," Castiglione said. "He and his players have elevated our program to a level of national prominence that Tiger fans had never seen previously. It's our good fortune to have one of the nation's all-time winningest coaches — one who receives a tremendous amount of respect from his coaching peers at all levels — continue as Missouri's head coach."

Voted by the Associated Press and the *Kansas City Star* as the all-time Big Eight Conference coach, Stewart begins his 30th season at MU this year. His record of 581-292 at Missouri and 678-334 overall means that in 1997, he could record both his 600th win at MU and his 700th career victory. He is currently tied with two other coaches as the third most winning active coach in the country, and is one of 18 coaches in NCAA history to win 600 games. This past season he became just the 10th coach in NCAA his-

tory to coach in 1,000 games and to date, has coached in 1,112 games, which ranks him 9th in NCAA history.

'I am very pleased with the contract. I appreciate the fact that I will have the opportunity to represent the people of Missouri, and I'm grateful for their support. We've had a great run, but we're still trying to improve.'

Head basketball Coach Norm Stewart

"Coach Stewart's outstanding coaching has created a consistently strong bas-

ketball program that excels year after year. The national recognition resulting from his success greatly benefits the University," Interim Chancellor Richard Wallace said. "We look forward to many more Tiger wins with Norm Stewart at the helm."

Stewart has played a large part in Mizzou basketball history as a player, assistant coach and head coach, and will continue to do so as he leads the Tigers into the first season of the new Big 12 Conference. He's been involved with 1,033 of the 2,057 games that have been played at MU—meaning that he has had a role in more than 50 percent of the University's basketball history.

He also is likely to coach in the state-of-the-art basketball arena that will be the new home of the Tigers by the turn of the century. The new arena will be built as the result of a \$10 million contribution by Columbians Bill, Nancy and Paige Laurie last May.

"I'm very pleased with the contract," Stewart said. "I appreciate the fact that I will have the opportunity to represent the people of Missouri, and I'm grateful for their support. We've had a great run, but we're still trying to improve. Right now, the most important thing is to focus on this basketball team, which is going to face a big challenge this season."

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UPfront

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The MU Department of Music and the Tom Mills University Singers Foundation invite you to join

**University Singers
and conductor David Rayl
with
Hilda Neihardt, narrator**

in

Jackson Berkey's *Native American Ambiances* with Mr. Berkey playing the Native American flute and world premieres of compositions by MU faculty John Cheetham and Daniel Willett

Ms. Neihardt is the daughter of famed poet John G. Neihardt, whose writings are used for this moving work. Mr. Berkey is a nationally known composer and a founding member of Mannheim Steamroller.

Sunday, October 27, 8 p.m.
First Baptist Church, 1101 East Broadway
Suggested donation \$3

Delivering quality care

Public/private partnership fills the health-care gap for uninsured and underinsured in Boone County.

The Family Health Center provides a unique combination of primary and preventative health-care services, as well as social services to uninsured and underinsured Boone County citizens. The center, located in Columbia's Parkade Plaza, is supported primarily by University Hospital, Boone Hospital Center, the Missouri Department of Social Services and the Boone County Commission. Additional support comes from Columbia Regional Hospital, the United Way and many volunteers.

Since the Family Health Center open in June 1992, more than 5,000 patients have been served. Gloria Crull, executive director of the center says an average of 180 new patients are seen each month and the numbers continue to increase.

To meet this demand, the center renovated existing space to expand its clinical examination rooms and behavioral health space.

Approximately half of the center's patients receive Medicaid, the other half are either uninsured or underinsured. Patients pay on a sliding-fee scale which is based on the federal poverty level.

"Even in Columbia, with all the health-care providers, there is still a gap in services to underinsured and uninsured individuals," Crull says. "A vast majority are working people, who work multiple part time positions or in small firms."

The typical center patient is a single, white female with children, she notes.

The center focuses mainly on primary health care; well baby visits, physicals, chronic health problems, and on preventative health care. In addition, the center provides mental health services. Along with the family physicians and family nurse practitioners, the center offers adult and child psychiatrists, licensed counselors and social workers. By providing all of these services at one location patients with a variety of needs can be better served, Crull says.

"The center allows use to care for individuals who wouldn't be able to afford care otherwise. As community members we all gain by this," Crull says.

Bernard Ewigman, associate professor of family and community medicine, is just one of the health-care providers who work at the center as part of the area hospitals' commitment to the center.

In addition, MU medical and pre-med students can work at or volunteer their time at the center.

"The health center has been created and staffed in a way that we can take a holistic approach to patients," Ewigman says.

"Working at the center has made me much more aware of issues related to health care," he notes. In particular he says he has become more aware of the issues relating to health care access

United Way at 79 percent of goal

At MU's third United Way report meeting on Oct. 18, campaign organizers reported receiving \$233,146 in donations and pledges, or 79 percent of this year's goal of \$295,000. Last year at this time, the University had received 86 percent of its goal.

The hospitals and clinics region has already received \$34,727, or 117 percent of its \$29,500 goal.

The following amounts were also reported for the other regions:

■ **ACADEMIC I**, \$63,047 toward a goal of \$85,550 or 73 percent of goal;

■ **ACADEMIC II**, \$50,980 toward a goal of \$70,800 or 72 percent of goal;

■ **ADMINISTRATIVE**, \$40,001 toward a goal of \$47,200, or 84 percent of goal;

■ **RETIREES**, \$18,672 toward a goal of \$32,450, or 57 percent of goal;

■ **UM SYSTEM**, \$25,719 toward a goal of \$29,500 or 87 percent of goal.

The money benefits the Columbia Area United Way and its member agencies.

The campaign ends Oct. 25, but individuals can still contribute their fair share. With questions or to make a contribution contact your regional leader or Patsy Higgins at 882-7254.



Daylight Saving Time ends this weekend.
When you go to bed Saturday night, remember to set your clock back one hour.

CLASSIFIEDS

SERVICES

A Marriage Encounter Weekend is coming to Columbia, November 8-10, 1996. Weekend concepts focus on improving communication and strengthening good marriages. Call Rich and Carol at 657-9685.

The Classified Advertising Section is open only to faculty and staff members and retirees. A home phone number is required in all classified ads. No refunds will be given for cancelled ads.

Ads must be typed.

Rates: 30-word maximum \$5.

Publication deadlines: noon on Thursday of week prior to publication.

Mizzou Weekly Classifieds: Make your check payable to University of Missouri and send to: Mizzou Weekly, 407 Reynolds Center, Attention: Tanya Stitt.

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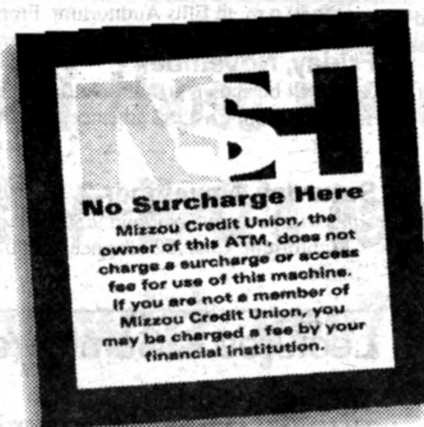
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CALENDAR

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 & Plays

Friday, October 25

FACULTY RECITAL: Faculty Piano Quartet will perform at 8 p.m. in Whitmore Recital Hall.

Sunday, October 27

HOOTIE AND THE BLOWFISH: With *They Might Be Giants* will perform at 8 p.m. in the Hearnes Center. For ticket information, call 884-PAWS.

UNIVERSITY SINGERS: Group will perform at 8 p.m. at the First Baptist Church, 1101 E. Broadway. Hilda Neihardt, daughter of poet and former MU professor John Neihardt, will be a narrator for the mixed media presentation of Jackson Berkey's *Native American Ambiances*. The concert also features the world premiere of works by MU composers John Cheetham and Daniel Willett. A \$3 donation is suggested.

Wednesday, October 30

UNIVERSITY CONCERT SERIES: Ballet Oklahoma will present "Dracula" at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Saturday, November 2

UNIVERSITY CONCERT SERIES: Internationally known violinist Midori will perform at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Courses

BEGINNING CHILDBIRTH: Course will be offered from 7-9 p.m. Tuesdays through Nov. 26. You should begin this course three months before your baby is due. Cost: \$45. To register, call 882-6973.

Exhibits

ART FOR LIFE: Works by Ben Cameron, Ed Collings, Sid Larson, Mike Sleadd and Tom Watson, members of the art faculty at Columbia College, will be on display through Jan. 5 in the lobbies of University Hospital and Clinics and Ellis Fischel Cancer Center.

BINGHAM GALLERY:

"Baskets: Structuring Space, Empty and Enclosed" will be on display through Nov. 1.

The gallery, located in the Fine Arts Building, is open from 10 a.m.-4 p.m. weekdays.

BRADY COMMONS GALLERY:

Cyber Arts '96 is on display through Oct. 24. The Brady Gallery, located in 203 Brady Commons, is open from 10 a.m.-5 p.m. weekdays.

MUSEUM OF ANTHROPOLOGY: The museum, located in Swallow Hall, is open from 9 a.m.-4 p.m. weekdays.

MUSEUM OF ART AND

ARCHAEOLOGY:

"Art of the Eye: A Exhibition on Vision" is on display through Dec. 15.

Ongoing exhibits:

- "Mark Rothko Loan"
- "The Saul and Gladys Weinberg Gallery of Ancient Art"
- "Byzantine and Early Christian Gallery"
- "European and American Gallery"
- "Expressions of Africa"
- "Isms and Others in the Twentieth Century"
- "The Kress Study Collection"

The museum, located in Pickard Hall, is open from 9 a.m.-5 p.m. Tuesday through Friday, 6

p.m.-9 p.m. Thursday, noon-5 p.m. Saturday and Sunday. Closed Mondays and national holidays.

ROGERS GALLERY: "Territories of Secrets- Images in Water-Color Paintings, Photographs, and Prose Poetry" by Ruth Brent, professor and chair of environmental design, will be on display through Oct. 31. The gallery, located in 148 Stanley Hall, is open from 8 a.m.-4 p.m. weekdays.

STATE HISTORICAL SOCIETY:

Thomas Hart Benton's Original Illustrations for Mark Twain's *The Adventures of Huckleberry Finn* will be on display in the gallery through mid-December. The gallery is open 8:30 a.m.-4 p.m. weekdays.

"Decades: 1886-1966, Editorial Cartoons" is on display in the east-west corridor.

The works of Missouri artists Algot Nordstrom and David Laughlin are on display in the north-south corridor through mid-December. The corridors are open from 8 a.m.-4:30 p.m. weekdays and 9 a.m.-4:30 p.m. Saturday.

WESTERN HISTORICAL MANUSCRIPT

COLLECTION: "Landmark Presidential Elections" featuring political materials from the collection will be on display through Nov. 8. The collection, located in 23 Ellis Library, is open from 8 a.m.-4:45 p.m. weekdays and until 9 p.m. on Tuesdays.

MSA/GPC Films

Friday, October 25

I Shot Andy Warhol will be shown at 7 and 9:30 p.m. in Ellis Auditorium. Cost: \$2 advance, \$2.50 at door.

Saturday, October 26

I Shot Andy Warhol will be shown at 7 and 9:30 p.m. in Ellis Auditorium. Cost: \$2 advance, \$2.50 at door.

Thursday, October 31

The Fearless Vampire Killers will be shown at 9:30 p.m. in Ellis Auditorium. Free.

Friday, November 1

Safe will be shown at 7 and 9:30 p.m. in Ellis Auditorium. Cost: \$2 advance, \$2.50 at door.

Saturday, November 2

Safe will be shown at 7 and 9:30 p.m. in Ellis Auditorium. Cost: \$2 advance, \$2.50 at door.

Lectures & Seminars

Thursday, October 24

TRAINING AND DEVELOPMENT SEMINAR: Bonnie Arnold, retirement consultant, will speak on retirement planning from 9:30 a.m.-4 p.m. in 146 Heinkel. To enroll, call 882-2603.

PHARMACOLOGY RESEARCH

SEMINAR: H.D. Kim, professor and chairman of pharmacology, will present "Regulation of Volume and pH in HSG-PA Cells by P2u Receptor Activation" at 11:40 a.m. in M558 Medical Sciences Building.

NOEL P. GIST INTERNATIONAL

AFFAIRS LUNCHEON SEMINAR: The brown-bag seminar will feature Glenn Pierce, associate professor of Romance languages, presenting "Italian Politics, 1996" at noon in S204 Memorial Union.

PRESERVING FAMILY COLLECTIONS WORKSHOP: Jim Downey from Legacy Art and Book Works, will speak on

preserving books and magazines from 12:30-1:30 p.m.; Claudia Powell, documents conservation assistant with Western Historical Manuscripts Collections, will speak on preserving documents, clippings and scrapbooks from 1:40-2:40 p.m.; and Stephanie Watkins, senior conservator with the Missouri State Archives, will speak on preserving photographs from 2:50-3:50 p.m. in N214-215 Memorial Union. To register, call 882-0076, non-registrants will be accommodated on a space-available basis.

CHEMICAL ENGINEERING SEMINAR: Anand Chellappa, doctoral candidate in chemical engineering, will present "Kinetic Modeling of the Methane Oxidation System" at 3:40 p.m. in W0009 Engineering Building East.

MCKINNEY LECTURE: Clara Hill from the Department of Psychology at the University of Maryland will present "The Role of Therapist Techniques in the Process and Outcome of Counseling Psychotherapy" at 3:40 p.m. in 313 Psychology Building.

NUTRITIONAL SCIENCES RESEARCH SEMINAR: Robert Lim, assistant professor of pharmacology, will present "Molecular Mechanisms Involved in the Regulation of Skeletal Muscle Cell Growth and Differentiation" at 3:40 p.m. in 103 Animal Science Research Center. Refreshments are provided at 3:20 p.m.

WOMEN'S CENTER EVENT: Melissa Alberts, MU peer rape educator, will present "Love Hurts?" at 4 p.m. in 229 Brady Commons.

BREAST CANCER FORUM: "Breast Cancer and Genetics" will be offered from 7-8:30 p.m. in the main lobby of Ellis Fischel Cancer Center. For information, call 882-8511.

PEACE PERSPECTIVES LECTURE:

Death penalty opponent Michael Radelet, professor of sociology at the University of Florida-Gainesville, will present "Fighting the Executioner: Some Success Stories" at 8 p.m. in Hulston Hall Auditorium.

Friday, October 25

ECONOMICS SEMINAR: Kevin Hallock from the University of Illinois will present "Layoffs, Top Executive Pay, and Firm Performance" at 3:45 p.m. in 212 Middlebush.

CREATIVE WRITING GRADUATE STUDENT READING: Pamela McClure and Pamela Johnston will present their works at 4 p.m. in 103 Tate Hall.

WOMEN STUDIES LECTURE: Linda Nicholson, professor of educational administration and policy studies and women's studies at the University of Albany, will present "Theory as Strategy: Modernism, Postmodernism, and Feminism" at 4 p.m. in 7 Hulston Hall.

Monday, October 28

ARCHAEOLOGY LECTURE: Andrew Moore from Yale University will present "The Beginning of Agriculture on the Euphrates: The Excavation of Abu Hureyra in Syria" at 5:30 p.m. at the Museum of Art and Archeology in Pickard Hall.

Tuesday, October 29

BIOLOGICAL SCIENCES SEMINAR: John Cooper from Washington University will speak at 3:40 p.m. in 18 Tucker Hall.

WAKONSE COLLOQUIUM: Rick Hardy, associate professor of political science, will present "Political Campaigns and the Upcoming Elections" at 5:30 p.m. in Bingham Dining Hall.

WOMEN'S CENTER EVENT: Bernice Cudd and Fran Reynolds will present "The Inner Voice of Wisdom — What Dreams Tell You" at 7 p.m. in 229 Brady Commons.

TRAINING AND DEVELOPMENT SEMINAR: "Getting Started in CQI" will be offered from 8 a.m.-4:30 p.m. in S207 Memorial Union. To enroll call 882-2603.

Wednesday October 30

TRAINING AND DEVELOPMENT SEMINAR: Sandy Neal, assistant director of Human Resource Services, will present "The Employment Interview" from 9 a.m.-4 p.m. in S207 Memorial Union. To enroll, call 882-2603.

MIDDAY GALLERY EVENT: Deb Krause, curatorial assistant at the Museum of Anthropology, will present "Excavations at Arrow Rock" at 12:15 p.m. in the Museum of Art and Archeology in Pickard Hall.

PHYSIOLOGY SEMINAR: Juming Zhong, postdoctoral fellow in veterinary biomedical sciences, will present "Reduced L-Type Calcium Currents in Ventricular Myocytes Isolated from Endotoxemic Guinea Pigs" at 2:40 p.m. in S261 Medical Sciences Building. Refreshments will be served at 2:20 p.m.

WOMEN'S CENTER EVENT: Mary Jo Neitz, professor of sociology and women studies, will present "Sacred Practices of All Hallows Eve: Lifting the Veil Between the Two Worlds" at 7 p.m. in 229 Brady Commons.

ECOLOGY, EVOLUTION & BEHAVIOR SEMINAR: Paul Porneluzi from Central Methodist College will present "Demography and Viability of Ovenbird Populations in Fragmented vs. Unfragmented Landscapes" at 7:30 p.m. in 106 Lefevre.

Wednesday, October 30

PROFESSIONAL DEVELOPMENT WORKSHOP: Kim Dude, director of MU's Wellness Center and the ADAPT program, will speak on "The Effects of Drugs and

Do you, or someone you know, have Alzheimer's disease?

The University of Missouri-School of Medicine is conducting a study of a new investigational medication for the treatment of Alzheimer's disease.

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- 4) Have a caregiver who is able to participate in the study
- 5) Be in general good health
- 6) Minimum one year history of Alzheimer's disease symptoms

If you are interested in participating or would like more information about this study, please call (573) 882-8040.

Alcohol on Learning" at 1:40 p.m. in N214 Memorial Union.

Thursday, October 31

NOEL P. GIST INTERNATIONAL AFFAIRS LUNCHEON SEMINAR: The brown-bag seminar will feature Earl Lubensky and Herb Tillema presenting "What is the U.S. Foreign Policy and How Is It Working?" at noon in S204 Memorial Union.

TRAINING AND DEVELOPMENT

SEMINAR: "What is CQI?" will be offered from 1-4:30 p.m. in S207 Memorial Union. To enroll, call 882-2603

CHEMICAL ENGINEERING SEMINAR: Gayatri Deshpande, graduate student in chemical engineering, will present "Study of the Destructive Adsorption of 2,4,-DNT using Ultrafine MgO" at 3:40 p.m. in W0009 Engineering Building East.

NUTRITIONAL SCIENCES RESEARCH

SEMINAR: Matt Lucy, assistant professor of animal sciences, will present "Regulation of Growth Hormone Receptor Gene Expression" at 3:40 p.m. in 103 Animal Science Research Center. Refreshments are provided at 3:20 p.m.

WOMEN'S CENTER EVENT: Everett A. Dietle, co-coordinator Lesbian/Gay/Bisexual Resource Center, will present "The Tyranny of Fashion" at 4 p.m. in 229 Brady Commons.

Friday, November 1

ENGLISH COLLOQUIUM SERIES: Gilbert Youmans, professor of English, will present "The Structure of (All) Interpretation" at 3:45 p.m. on 103 Tate Hall.

Meetings

Thursday, October 24

STAFF ADVISORY COUNCIL: Will meet at 1:15 p.m. in S206 Memorial Union.

Thursday, October 31

FACULTY COUNCIL: Will meet at 3:40 p.m. in S110 Memorial Union.

Special Events

FLU SHOTS: Free flu shots will be available to seniors, high-risk individuals, and HMO and POS members who have a University primary care physician from 9 a.m.-noon

and 3-6 p.m. every Wednesday and Thursday during October at the Health Information Center in Columbia Mall. For other individuals the shots cost \$5. For information, call 882-5789.

Thursday, October 24

PUMPKIN SALE: The Horticulture Club will hold a pumpkin and plant sale from 8 a.m. to 5 p.m. in the horticulture greenhouse behind Curtis Hall.

Friday October 25

INTERNATIONAL BAZAAR: Event will be held from 10 a.m.-4 p.m. on Lowry Mall.

WOMEN'S CENTER EVENT: John Lee will present "How to Love Someone and Not Lose Yourself: An Evening with John Lee" at 7 p.m. in Memorial Union Auditorium. For ticket information, call Patrick or Pam at 449-0120.

Saturday, October 26

NAVAL ROTC 50 YEAR REUNION: All alumni of the naval ROTC program at MU, former staff and instructors are invited to attend the reunion at 9 a.m. in Mark Twain Ballroom Memorial Union. RSVP to Darlene at 882-6693 or 1-888-MU-NROTC.

WOMEN'S CENTER EVENT: "The Rhythm of Closeness: How We Regress in our Relationships and How We Can Stay More Adult: An Experiential Workshop with John Lee." will be offered from 9 a.m.-4 p.m. at the Holiday Inn Executive Center. For ticket information, call Patrick or Pam at 449-0120.

Friday, November 1

WEB WORKSHOP FOR KIDS: Teachers, students ages 12-18, parents and other community leaders are invited to a free workshop at the College of Engineering that will explain how they can take part in a \$1 million national competition called ThinkQuest=AE, which challenges student teams to use the latest Internet technology to make their favorite subjects exciting and fun for others to learn. The event begins at 1 p.m. in Room W1005 Engineering Building East. To enroll, call Lois Tolson at 882-4377 or call up the College's web page at <<http://www.ecn.missouri.edu>>

The worm has turned

Days are numbered for sweet corn pest.

The unwelcome worm that spoils a sweet-corn roast could soon be history, thanks to a scheme as smooth as silk — corn silk.

"We plan to manipulate genetic pathways in corn, binding up proteins so that earworms would, in fact, starve to death," says Michael McMullen, adjunct associate professor of agronomy and USDA research scientist.

That's good news for sweet corn fans. Likewise, it's good news for commercial growers who sometimes have to apply pesticides 30 time a season to keep earworms out of sweet corn.

But even more important, science would be putting nails in the coffin of a pest that damages corn, cotton, peanuts and numerous vegetable crops, including tomatoes. Corn is a major host plant for the insect. Removing the pests from corn would keep it from moving to other crops.

Plant geneticists McMullen and Patrick Byrne, agronomy postdoctoral fellow, aim to manipulate genetic pathways in corn so the plant produces more maysin, a compound that gives corn natural insect resistance.

"Maysin, which occurs mainly in corn silk, binds up amino acids (proteins) in the earworm's gut so the insect can't use them — so it starves to death," McMullen says.

Scientists have already identified a gene with a scientific code name P1 that regulates more than half the amount of maysin in corn. P1 is a regulator gene that turns genetic pathways on and off. It's the expression of P1 in corn silk, the silky fibers in the husk, that the Missouri scientists want to increase so that maysin increases.

Corn earworms initially feed on silks. "So, a good strategy is to identify and manipulate the gene that regulates the

pathway," Byrne said.

He and McMullen are working with Neil Widstrom, a plant geneticist at the Tifton, Ga., experiment station, to cross and select for corn plants with the P1 genes that encourage high maysin corn. Offspring of the selection and crossing will be high in maysin and give corn built-in earworm resistance.

Maysin was first identified as an insect resistant compound by scientists at the Tifton station in 1979. But it's been only recently that genetic mapping techniques have become so advanced that prospects for crops with built-in resistance to earworm are just a few years away.

The Maize Genome Database Project at MU takes advantage of molecular technology such as gene cloning and DNA sequencing. The project includes pedigrees of 8,000 lines of corn, ranging from traditional Midwestern inbreds to exotic Latin American stocks.

"Maysin was identified in a primitive race of maize in Mexico, underscoring the value of maintaining such a huge base of information," Byrne says. The scientists point out that maysin in corn silk could easily hold the key to reducing insecticide spray on sweet corn by up to 85 percent. The pest costs U.S. growers more than \$100 million annually in insecticide spraying.

Adult earworm moths lay their eggs directly on the silk of growing corn, where the larvae hatch about three days later. Then, over the next two weeks, the newly-hatched larvae eat their way through the silk and many kernels, then cut out of the husks, to drop to the soil and burrow in. After about a dozen days, new adults emerge from the soil, then fly away in search of fresh food. It's then that they move to all sorts of other crops, including many in home gardens.

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MIZZOU PEOPLE

Appointments & Promotions

Barbra Horell, coordinator for student recruitment at the College of Veterinary Medicine, has been elected to a two-year term as director of nominations and professional development for the National Association of Medical Minority Educators. **Roger Sunde**, professor of food science and human nutrition, has been appointed for a four-year term to the division of research grants of the National Institutes of Health nutrition study section.

Awards & Honors

Ruth Brent, professor and chair of environmental design, and **Benjamin Schwarz**, assistant professor of environmental design, received honorable mention for the American Culture Association and the Popular Culture Association's Ray and Pat Brown Award for their recent book *Popular American Housing*. **Charles Gehrke**, professor emeritus of biochemistry, received the distinguished alumnus award in September from the Stadium Scholarship Dormitory Alumni Association at Ohio State University. **Sherri Miller**, senior buyer with Procurement/Materials Management was named the "1995 Buyer of the Year" by the Missouri Association of Public Purchasing. **Randall Prather**, associate professor of animal science, was named junior researcher of the year for the College of Agriculture, Food and Natural Resources for his contributions to increasing the reproductive efficiency of domestic animals. **Jerry Nelson**, Curators' professor of agronomy was named senior researcher of the year for the College of Agriculture, Food and Natural Resources for his internationally known work in forage physiology.

Grants & Fellowships

Nakhle H. Asmar, associate professor of mathematics, was awarded a UM Research

Board grant of \$7,200 for "Extension of F. & M. Riesz Theorem to Groups and Measure Spaces."

Shankha K. Banerji, professor of civil engineering, was awarded a UM Research Board grant of \$26,269 for "Atrazine Removal From Drinking Water By an Innovative Bio-Process."

James A. Birchler, associate professor of biological sciences, was awarded a UM Research Board grant of \$39,862 for "Cosuppression in *Drosophila Melanogaster*."

Edward Brent, professor of sociology, was awarded a UM Institute for Instructional Development grant of \$49,985 for "Making It: A Sociological Simulation of Adolescence."

Rex Campbell, professor of rural sociology, was awarded a UM Institute for Instructional Development grant of \$40,846 for "Breaking New Pathways: Converting an MU-SMSU Course."

John F. Cannon, associate professor of molecular biology, was awarded a UM Research Board grant of \$15,000 for "Regulation of RAS During the Cell Division Cycle."

Peter G. Casazza, professor of mathematics, was awarded a UM Research Board grant of \$12,406 for "Problems in Banach Spaces."

Marie-Magdelein Chirol, assistant professor of Romance languages, was awarded a UM Research Board grant of \$9,000 for "The Motif of Ruins in Proust's *Remembrance of Things Past*."

Marilyn Coleman, professor of human development and family studies, and **Lawrence Ganong**, professor of nursing, were awarded a UM Research Board grant of \$21,382 for "Intergenerational Family Obligations after Divorce."

Susan L. Deutscher, assistant professor of biochemistry, was awarded a UM Research Board grant of \$40,400 for "In Vitro Evolution of a Anti-dsDNA Antibody."

James Doing, assistant professor of music, was awarded a UM Research Board grant of \$8,600 for "Visual Feedback for Singing Instruction."

Joel Epstein, research assistant professor in psychiatry and neurology, was awarded an Institute for Instructional Development grant of \$48,300 for "Multimedia Neuropsychology Course."

John Faaborg, professor of biological science, was awarded a UM Research Board grant of \$40,510 for "Ecology of Nearctic Migrant

Birds on Hispaniola."

Charles Gerhke, professor emeritus of biochemistry, was awarded a UM Research Board grant of \$10,000 for "Lunar Analytical Laboratory Workshop Proceedings."

Rainer E. Glaser, associate professor of chemistry, was awarded a UM Research Board grant of \$33,235 for "Dipole Alignment of Crystalline Materials for Nonlinear Optics."

Miriam W. Golomb, associate professor of biological sciences, was awarded a UM Research Board grant of \$42,754 for "Transcription Factor CBF and Cellular Growth Regulation."

Loukas Grafakos, assistant professor of mathematics, was awarded a UM Research Board grant of \$8,050 for "Harmonic Analysis and Partial Differential Equations."

Hattie Gresham, associate professor of pharmacology, was awarded a UM Research Board grant of \$39,880 for "IAP and Staphylococcus Aureus Infection."

Richard Hammer, associate professor of soils and atmospheric science, was awarded a UM Research Board grant of \$20,263 for "Post-Disturbance Quantification of Soil Organic Carbon."

Michael Harmata, associate professor of chemistry, was awarded a UM Research Board grant of \$21,300 for "New Ligands for Asymmetric Catalysis."

Mary J. Heppner, assistant professor of psychology, was awarded a UM Research Board grant of \$27,553 for "Rape Prevention Intervention: Long Term Efficacy."

William O. Herring, assistant professor of animal science, was awarded a UM Research Board grant of \$50,000 for "Identification of Economically Important Loci in Cattle."

Whitney Hicks, professor of economics, was awarded a UM Research Board grant of \$4,672 for "The Search for Economic Security Through the Market."

Catherine A. Holland, assistant professor of political science, was awarded a UM Research Board grant of \$16,109 for "Feminism, Identity Politics and American Liberalism."

Laxmansa C. Katwa, assistant professor of internal medicine, was awarded an American Heart Association grant of \$132,000 for "Endothelins in Mineralocorticoid Induced Vascular Remodeling" and a \$65,825 grant from the American Heart Association Missouri Affiliate for "Cardiac Myofibroblasts, Angiotensin II and Collagen Turnover."

Duane H. Keisler, professor of animal science, was awarded a UM Research Board grant of \$21,900 for "Use of Interferon to Improve Fertility in Livestock."

Emmanuel Liscum, assistant professor of biological sciences, was awarded a UM Research Board grant of \$49,500 for "Molecular Analysis of Phototropism In *Arabidopsis Thaliana*."

David McIntosh, assistant professor of educational and counseling psychology, was awarded a UM Research Board grant of \$27,942 for "Parent-Child Interaction Therapy And Disruptive Preschoolers."

Edward Mullen, professor of Spanish, was awarded a UM Research Board grant of \$7,632 for "Afro-Cuban Literature: Critical Junctures."

Satish Nagarajaiah, assistant professor of civil engineering, was awarded a UM Research Board grant of \$48,883 for "Semiactive Continuous Variable Stiffness Control of Building."

New Directions for News was awarded a \$1.35 million grant from the McCormick Tribune Foundation to continue and expand its work on the impact of the information technology revolution on the new industries.

Kathless J. Newton, associate professor of biological sciences, was awarded a UM Research Board grant of \$50,000 for "Unstable Mitochondrial Genomes in Maize."

Shawn Ni, assistant professor of economics, was awarded a UM Research Board grant of \$26,510 for "An Analysis on Impacts of Oil Price and Monetary Policy Shock"

Douglas Noltie, assistant professor of natural resources, was awarded a UM Research Board grant of \$50,000 for "Genetic Relatedness of Cooperatively Foraging Bass."

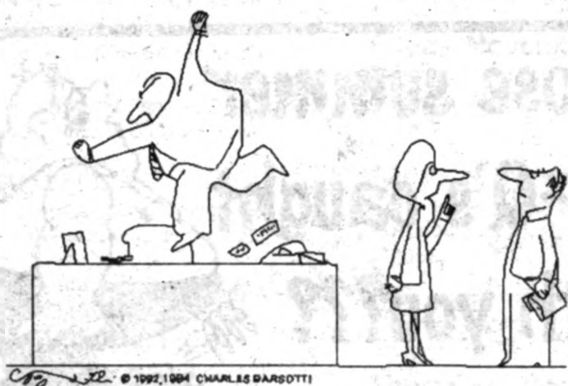
David J. Pintel, associate professor of molecular microbiology and immunology, was awarded a UM Research Board grant of \$37,800 for "Parvovirus Protein NS1 Structure/Function Analysis."

Joseph Polacco, professor of biochemistry, was awarded a UM Research Board grant of \$24,300 for "Understanding Plant Ni Metabolism."

Michael W. Prewitt, director of respiratory therapy, was awarded an Institute for Instructional Development grant of \$58,750 for "Virtual Human Intubation Simulation."

Shon Pulley, assistant professor of chemistry, was awarded a UM Research Board grant of \$26,867 for "Asymmetric Coupling Reactions with N-Acyliminium Ions."

Robin Remington, professor of political science, was awarded a UM Research Board



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Friday, October 25

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grant of \$37,762 for "Beyond the Iron Curtain: Identity, Security, Legitimacy."
Karin L. Schutjer, assistant professor of German, Russian and Asian studies, was awarded a UM Research Board grant of \$10,528 for "The Legacy of Aesthetic Community in Germany."

Kevin L. Shelton, professor of geological sciences, was awarded a UM Research Board grant of \$22,164 for "Origin of Archean Gold Deposits, Yellowknife, Canada."

Margaret Sommers, professor of Romance languages, was awarded a UM Research Board grant of \$7,439 for "French Women Writer's Discourse on Marriage 1535-1626."

Thomas Stroik, assistant professor of English, was awarded a UM Research Board grant of \$8,000 for "Predication and Argument Structure."

Robert K. Tsutakawa, professor of statistics, was awarded a UM Research Board grant of \$19,541 for "Geographic and Longitudinal Analysis of Mortality Rates."

Giovanni Vignale, associate professor of physics, was awarded a UM Research Board grant of \$36,000 for "Time-Dependent Response of Quantum Many-Electron Systems."

Frederick S. Von Saal, professor of biological sciences, was awarded a UM Research Board grant of \$25,000 for "Effects of Environmental Estrogens on Reproductive Organs."

David Wakefield, assistant professor of history, was awarded a UM Research Board grant of \$10,840 for "Household Division: History of Chinese Inheritance and Family."

Sharon D. Wright, assistant professor of political science and black studies, received a summer research fellowship grant of \$7,000 and a \$2,000 MU Research Council grant from the MU Office of Research. Both grants are funding a project to look at the election of African-American mayors in the 1990s.

Berol A. Yesilada, associate professor of political science, was awarded a UM Research Board grant of \$40,631 for "A Two-Level Game of IMF/World Bank and Country Bargaining."

John M. Zemke, assistant professor of Romance languages, was awarded a UM Research Board grant of \$1,300 for "Sham Tov De Carrion: An Annotated Bibliography."

Xinhua Zhuang, professor of computer engineering and computer science, was awarded a UM Research Board grant of \$18,296 for "Adaptive Multiresolution Morpho-Subband Decomposition and Coding"

Bolivariana University in Medellín, Colombia in May. He also met with news directors of Bogota-area television stations and the editorial staff of *El Colombiana*, one of the leading newspapers in Medellín.

Don Guckert, director of Campus Facilities Planning, Design and Construction; **Jude Wawryzniak**, project manager in Project Management; and **Frankie Minor**, director of *Residential Life*; made a presentation at the Physical Plant Association conference in Salt Lake City. The presentation, "New Wine in Old Bottles," was about adapting residential facilities to attract today's students.

John S. Howe, professor of finance, presented two papers at the 1996 Financial Management Association meeting in New Orleans in October: "Fractal Structure in Pacific Rim Index Returns" and "The Exchange Rate Exposure of U.S. and Japanese Banking Institutions."

Abdullahi Ibrahim, assistant professor of history, attended the annual meeting of the American Folklore Society in Pittsburg, Penn., in October.

Howard Marshall, professor and chair of art history and archaeology, was chair of a session on material culture at the annual conference of the Missouri Folklore Society in Columbia in September.

Linda Mast, assistant administrator at University Physicians, presented "What's In Your Practice Management Toolbox? The Key to a Value Added Medical Audit Department" as an invited speaker at the 1996 conference of the Association of Healthcare Internal Auditors in Atlanta.

Edward Mullen, professor of Spanish, presented a paper, "Nicolas Buillen and the Notion of Race in Spanish American Literature," at the Afro-Latin Research Association conference in Salvador-Bahia, Brazil in August.

Mary Neth, assistant professor of history, attended the Social Science History Association conference in New Orleans in October, where she commented on a session titled "Consumer Culture in the Countryside."

Robert Weise, assistant professor of history, attended the Social Science History Association annual conference in New Orleans in October where he presented a paper, "Intra-Household Relations and the Origins of Industrialization in Appalachian Kentucky."

Robert Weems, assistant professor of history, attended the annual meeting of the Association for the Study of Afro-American Life and History in Charleston, S.C., in October and presented a paper titled "The American Moral Reform Society and the Origins of Black Conservative Ideology."

FOR THE RECORD

ThinkQuest=AE, a new contest that helps students ages 12-18 create educational World Wide Web pages, is coming to mid-Missouri. Teachers, students, parents and other community leaders are invited to a free workshop at the College of Engineering that will explain how they can take part in a \$1 million national competition called ThinkQuest=AE, which challenges student teams to use the latest Internet technology to make their favorite subjects exciting and fun for others to learn. The event begins at 1 p.m. Nov. 1 in Room W1005 Engineering Building East. To enroll, call Lois Tolson at 882-4377 or call up the College's web page at <<http://www.ecn.missouri.edu>>

If you have some "spare" time on Monday nights, you might be able to "strike" up some new acquaintances and have fun in the process. The University Faculty/Staff Bowling League is looking for enthusiastic individuals who want to bowl on Monday nights. Individuals and groups are welcome; your ability to bowl is not as important as your willingness to bowl. Call Howard Rice or Mary Penrod at 882-3418.

A recent change in the federal law has added new flexibility to the University's Tax Deferred Annuity Plan. That change makes the plan even more attractive to faculty and staff who are saving for retirement. The plan allows employees to set aside a portion of their salaries on a pre-tax basis and place those "salary reductions" into a tax deferred investment account.

Federal law previously allowed only one change each year to the amount an employee decided to place in the plan. Now that restriction has been eliminated, and employees have the flexibility to take advantage of the tax deferred annuity plan without making a commitment to a specific amount for a full year. More than 4,800 UM System faculty and staff contribute a total of \$1.5 million to the program each month, and 27 different investment companies are available through the program.

For more information, call the Faculty and Staff Benefits office at 882-2146.

The 'For the Record' column gives MU departments and units the opportunity to advertise used or unneeded equipment for sale. There is no charge for this service. Send your notice to John Beahler at 407 Reynolds Center, or call 882-5918.

National & International Presentations

Gerald Barrier, professor of history, recently attended the South Asia Conference in Madison, Wis., where he was chair of one panel and presented a paper on Sikh identity to another panel.

Susan Flader, professor of history, attended the Western History Association conference in Lincoln, Neb. in October. She presided at the environmental history executive committee meeting. Flader also gave the keynote speech at the Indiana Conference on Historic Preservation in Nashville, Ind., in September, and attended the conference and board meeting of the Forest History Society in Durham, N.C.

Magdalena Garcia-Pinto, associate professor of Spanish and women studies, presented a paper, "The Meaning of Women's Difference in the Age of Sensibility: The Case of Delmira Agustini, Poet" as an invited speaker at a symposium on "Delmira Agustini and Modernisms" at the University of Vermont in Burlington in September.

Rod Gelatt, professor emeritus of journalism, presented "Images of Journalism Ethics" at La Javeriana University in Bogota, Colombia, and "Violence in the Media" at

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 news items, and publish them in the order in which they are received.

NEW!




FRUIT SMOOTHIES

peach • strawberry • pineapple/orange/banana

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Part-Time Temporary Sr. Receptionist Needed

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Applicant must be willing to work in a very hectic, fast-paced suite of offices dealing with student issues, programs and services. Must be open to diverse students and ideas and be customer-service oriented. Must be able to answer phones and walk-in clients' questions with accurate information. Knowledge of University paperwork and MacIntosh helpful.

Salary starts at \$6.68 per hour. The position is anticipated to be needed for 1 year.

Qualified applicants should apply in the personnel office in 130 Heinkel Building.

Campus Computing

Short Courses

The following non-credit short courses are free of charge and open to MU faculty, staff and graduate students unless otherwise noted. Participants may be enrolled in no more than two courses in one month. Registration is required and is done on a first-come, first-served basis. To enroll, please call 882-6006 *at least two days prior to the beginning of class*. NOTE: When an ID is required for a class, participants should obtain the ID *prior to registering for that class* (call the Help Desk at 882-5000 for ID information). **Registrants should remember to phone 882-4568 the day prior to class in order to obtain permission to park in lot RC20.** More information about these classes is included in the Campus Computing Training Groups Web pages (see below). If you cannot connect to the World Wide Web, or if you need help doing so, please call 882-6006 for more information.

For the complete Fall Semester Short Course schedule including class times, see the following URL: <http://www.missouri.edu/~cctrain/cccalendar.html>
For a complete listing of Course descriptions, see the following URL: <http://www.missouri.edu/~cctrain/course.html>

October - November

FOUNDATIONS OF COMPUTERS (2 PARTS)

**OCT 29 & Nov 5, Nov 12 & 19 or
Nov 14 & 21,**

Prerequisites: None, other than basic computer experience and a desire to learn.

INTRODUCTION TO ADOBE PHOTOSHOP 3.0 FOR THE MACINTOSH (2 PARTS)

OCT 29 & Nov 5, Nov 4 & 11 or Nov 6 & 13

Prerequisites: Foundations of Computers course or knowledge of file management on the Macintosh, and mouse skills. Participants should bring a floppy disk containing a pre-scanned image to class.

RELATIONAL DATABASE CONCEPTS

OCT 29

Prerequisites: Previous experience or association with any kind of Database (ie. D-Base or Foxpro).

SQL (2 PARTS)

OCT 31 & Nov 7 or Nov 15 & 22

Prerequisites: Relational Database Concepts course.

MICROSOFT EXCEL 5.0 TOPICS: GRAPHING

OCT 31, Nov 6 or Nov 21

Prerequisites: Introduction to Excel course or experience with Excel spreadsheets.

WWW WORKSHOP: INTRODUCTION TO WEB PAGE AUTHORING

OCT 31, Nov 7 or Nov 15

Prerequisites: A SHOWME ID is required prior to registering for class, plus Internet Fundamentals with Netscape Basics course. Please bring a text outline of what you'd like on your home page to class.

INTRODUCTION TO MICROSOFT WORD 6.0

Nov 4 or Nov 18

Prerequisites: Foundations of Computers course or knowledge of file management with Macintosh or Windows, and mouse skills.

INTRODUCTION TO MICROSOFT EXCEL 5.0

Nov 5, Nov 11 or Nov 22

Prerequisites: Foundations of Computers course or

knowledge of file management with Macintosh or Windows, and mouse skills.

INTRODUCTION TO SAS

Nov 5 or Dec 3

Prerequisites: A SHOWME or MIZZOU1 account is required prior to registering for class, plus Unix for SAS Users or Introduction to Unix course.

INTERNET FUNDAMENTALS INCLUDING NETSCAPE BASICS (2 PARTS)

Nov 7 & 14 or Nov 12 & 19

Prerequisites: Foundations of Computers course or knowledge of file management with Macintosh or Windows, and mouse skills. Please bring a formatted 3.5" diskette to class.

MICROSOFT WORD 6.0 TOPICS: COLUMNS, TABLES, AND MAIL-MERGE

Nov 7, Nov 8 or Nov 20

Prerequisites: Introduction to Microsoft Word 6.0 course or experience with the application.

ADVANCED WEB PAGE AUTHORING

Nov 12 or Nov 18

Prerequisites: WWW Workshop: Introduction to Web Page Authoring course.

INTRODUCTION TO ADOBE PERSUASION 3.0 FOR THE MACINTOSH (2 PARTS)

Nov 13 & 20

Prerequisites: Foundations of Computers course or knowledge of file management on the Macintosh, and mouse skills. Please bring an outline of a class or a document you would like to transform into a presentation.

INTRODUCTION TO PINEMAIL

Nov 13

Prerequisites: A SHOWME ID is required prior to registering for the class, plus Internet Fundamentals including Netscape Basics course.

UNIX FOR SAS USERS

Nov 19

Prerequisites: A SHOWME account is required prior to registering for the class.

FOCUS ON FACULTY**INTRODUCTION TO ADOBE PHOTOSHOP 3.0 FOR THE MACINTOSH (2 PARTS)**

OCT 25 & Nov 1

Prerequisites: Foundations of Computers course or knowledge of file management on the Macintosh, and mouse skills. Participants should bring a floppy disk containing a pre-scanned image to class.

INTRODUCTION TO ADOBE PERSUASION 3.0 FOR THE MACINTOSH

Nov 8

Prerequisites: Foundations of Computers course or knowledge of file management on the Macintosh, and mouse skills. Please bring an outline of a class or a document you would like to transform into a presentation.

WWW WORKSHOP: INTRODUCTION TO WEB PAGE AUTHORING

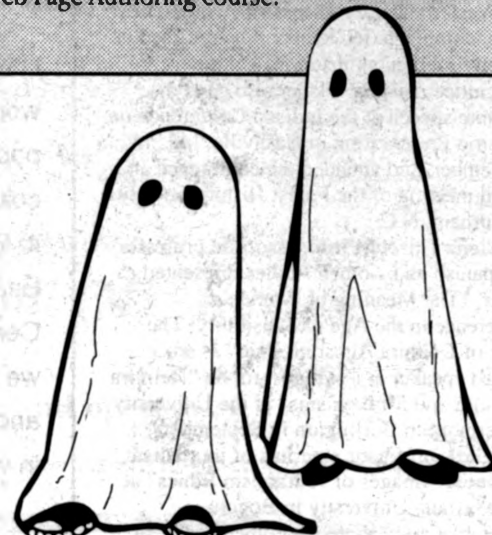
Nov 15

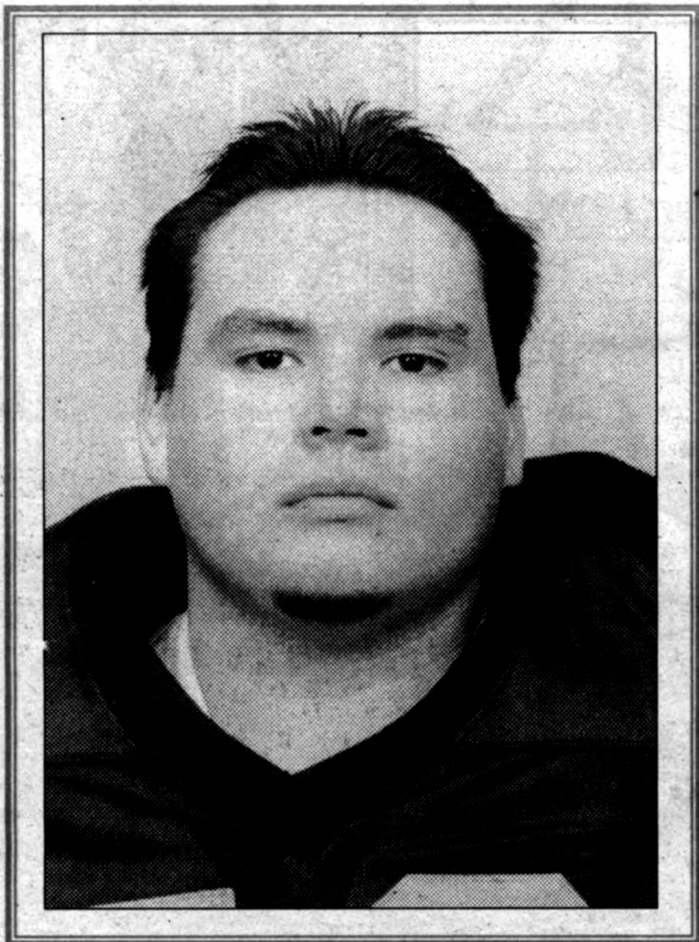
Prerequisites: A SHOWME ID is required prior to registering for class, plus Internet Fundamentals with Netscape Basics course. Please bring a text outline of what you'd like on your home page to class.

ADVANCED WEB PAGE AUTHORING

Nov 22

Prerequisites: WWW Workshop: Introduction to Web Page Authoring course.





Mike Valadez

3.01 GPA

Sport: Football—Offensive Center & Left Guard

Major: Fisheries and Wildlife Management

Hometown: Corpus Christi, Texas

Whom do you admire most, and why?

“ MY MOTHER, BECAUSE SHE WORKS SO HARD FOR WHAT SHE HAS, AND NO MATTER HOW HARD SHE WORKS IT IS JUST BARELY ENOUGH. NO MATTER HOW MUCH I TELL HER HOW WELL FOOTBALL IS GOING, SHE IS ALWAYS MORE INTERESTED IN MY ACADEMICS, AND THAT MAKES ME WANT TO DO BETTER. SHE HAS TAKEN CARE OF ME FOR SO LONG THAT I REALLY WANT TO RETURN THE FAVOR IN THE FUTURE. ”

What has been your favorite course at MU so far?

“ THEATER 44 (ACTING FOR NON-MAJORS) ”

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THE PRIDE OF MU

Scholar-Athlete of the Week

What have you learned about sportsmanship while participating in athletics at MU?

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Dialing for dollars

Students are in the front lines of MU's development efforts. One way they help out is by calling alumni and requesting pledges on behalf of the Annual Fund. Engineering dean James Thompson, right, furnished pizza and a pep talk as students kicked off the Annual Fund drive for the College of Engineering Oct. 8. The students, working from phone banks in the Reynolds Alumni and Visitor Center, will call nearly 9,000 engineering graduates over the next few weeks. The students keep alumni up to date on what's new at Mizzou and answer questions about everything from favorite professors to how to contact old college chums. This year, the Annual Fund will more than double its efforts to contact MU alumni. Student workers called 45,000 graduates last year and received \$575,000 in pledges. This year they will call 100,000 alumni, and the goal is to raise more than \$1 million.

Terry Jordan photo



OCT. 21-26



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MIZZOU

WEEKLY

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MIZZOU

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