

Mizzou Weekly

Internet Intrigue
Lawmakers worry about e-mail abuse by lobbyists.
Page 8

Publications & Alumni Communications
Linda Metz
407 Reynolds Alumni Center

Route: 2

75 copies

Printed
Comprehensive campaign
... support.

Page 3

Meeting a Mandate
Change in federal law prompts changes in staff classifications at MU.
Page 2

June 24, 2004
University of Missouri-Columbia



Steve Morse photo

CENTER OF COLLABORATION At the heart of MU's new Life Sciences Center is a five-story atrium that emphasizes the open design of the \$60-million building that will provide vital research, teaching and office space for the campus life sciences research community. The open design extends to the extensive laboratory areas, where research teams work side by side with colleagues from schools and colleges across campus.

Life sciences has a new home

OPEN-ENDED MU's Life Sciences Center emphasizes collaboration

Some of the floors are still dusty, and boxes of new furniture are stacked in the first-floor lobby, but work crews are on schedule putting the finishing touches on

MU's Life Sciences Center. When it opens later this summer, the center will showcase Mizzou's life sciences research initiative.

The \$60-million project is not simply a research building filled with laboratories, says Michael Roberts, the Life Sciences Center director, it will be a

building for the entire campus. "It's somewhere life sciences as a whole can call home," Roberts says. "I really think this can be a hub for the life sciences."

Of course, there will be state-of-the-art laboratories — 50 of them — but there will also be office and meeting space,

classrooms and computer labs for students, up-to-date information technology that includes 2,600 data ports throughout the building, a 250-seat auditorium and a food-service operation that's been named the Catalyst Café.

The whole idea behind the center's design is to foster collaboration between the faculty, staff and students who will call it home, Roberts says. "Research of this importance demands an unprecedented level of collaboration among scientists as they seek to understand the genetic interrelationships of humans, animals, plants and microorganisms. Ultimately, these basic discoveries will promote the development of new ideas — ideas that we can't even begin to anticipate."

What the campus community can anticipate, though, is an array of life sciences research resources all housed in a central campus location. Three of MU's eight core facilities will be located in the Life Sciences Center: the Proteomics Center, the Molecular Cytology Core and the DNA Core.

Undergraduate students also will be a vital component of the center, and MU's Life Sciences Undergraduate Research Program will have its offices there as well.

Roberts and other center officials led a group of media on a tour of the new building last week. He pointed out the open design of the laboratory space on

the upper floors that will scientists to interact with other members of their research teams.

Laboratory space is configured so scientists conducting research in similar areas are clustered together in interconnecting labs that are separated by partitions. Nearby are areas where scientific instruments — some of which are too large and expensive to justify use by a single researcher — can be shared by research teams.

One such "cluster" of researchers includes Mannie Liscum, Walter Gassmann, Elizabeth Rogers and Gary Stacey. Their research focuses are different, but they all revolve around plant cell signaling and environmental responses. "Science these days is really a matter of interaction," says Stacey, professor of plant pathology.

To meet the needs of plant scientists, the new center will have greenhouses on the top floors of the building and plant growth chambers on the ground floor. The growth chambers will allow researchers to grow plants in an environment where light, temperature and humidity are all tightly controlled.

"For our research, it's very important to grow plants under very reproducible conditions," says Rogers, assistant professor of biochemistry and nutritional sciences. The center also will include controlled growth

SEE Center on Page 7

Kauffman grant targets MU entrepreneurship education

ENTERPRISING IDEAS

New initiative will expose students in all disciplines to entrepreneurial fundamentals

Fifteen years ago a handful of U.S. universities offered entrepreneurship courses. Today, more than 1,500 colleges and universities, including MU, offer some form of training for prospective entrepreneurs.

Mizzou's efforts were boosted in April, when the Ewing Marion Kauffman Foundation of Kansas

City selected it as one of 10 colleges and universities nationwide to receive a 2004 Kauffman Collegiate Network grant. More than 330 institutions competed for the funding.

MU's project, called the Enhancing Student Entrepreneurship Program, was attractive to the foundation because it is structured to ensure that students in all disciplines have opportunities to learn about the fundamentals and potential for entrepreneurship, says Tony Mendes, the foundation's director of initiatives in college

entrepreneurship, and the liaison between the foundation and the University.

The one-year award for \$49,910 will allow Mizzou faculty and students to share ideas and best practices with leading experts in entrepreneurial studies. It also will allow the University to develop such projects as an Entrepreneurship Freshman Interest Group program and an Entrepreneurship Education Center. "This will be a hybrid program," says project leader Joe Johnston, director of the MU

Career Center, "with both a magnet program attracting students to enhanced areas of existing strength, and an outward reaching program that provides central resources, faculty development and curriculum planning opportunities to enable campuswide schools and colleges to provide entrepreneurship education appropriate to the needs of their students."

Entrepreneurship extends beyond for-profit business start-ups. It is rather about "channeling creativity and innovation into ventures that

create value," Mendes says, whether that value is intellectual, social, environmental, economic, or any combination thereof.

Johnston says Mendes' description "clearly is a different definition than most academics are used to, and it is far more inclusive of the interest and thinking of faculty than what maybe is traditionally thought of as simply a business or economic venture."

Doug Moesel, associate professor of management, and Thomas Crowe, associate

SEE Grant on Page 6

'Father of extension'

Hailed as a founder and "father of today's extension," the legacy of the late C. Brice Ratchford, UM System president emeritus and director of extension, will be celebrated with a display above the staircase on the north wall of Whitten Hall. The display includes photographs and other memorabilia from Ratchford's distinguished career.

Members of the University community are invited to attend a celebration and ceremonial unveiling of the display at 4 p.m. Tuesday, June 29. Speakers will include

Chancellor Richard Wallace; Provost Brady Deaton; Ron Turner, UM executive vice president; and Charles Campbell, professor emeritus. Paul Miller, a contemporary of Ratchford and past president of West Virginia University, will discuss Ratchford's legacy.

Safety first on the 4th

Many Americans think the Fourth of July isn't complete without setting off fireworks. One moment of carelessness can ruin the celebration and may mean a trip to the emergency room, said a University of Missouri Extension safety specialist.

About 8,500 people are treated each year for fireworks-related injuries; 2,000 of those injuries are eye-related and can lead to permanent vision loss or blindness. Boys between the ages of 10 and 14 are the most commonly injured.

"Fireworks are not toys," says Karen Funkenbusch, an MU extension safety specialist. "They burn at the same temperature as a household match. Children and fireworks can be an unsafe combination." Bottle rockets are the most dangerous fireworks for eye injuries, followed by sparklers.

Funkenbusch gives several

tips for fireworks safety:

- Always read and follow label instructions.
- Never allow children to handle fireworks and have an adult present at all times.
- Use fireworks only outdoors.
- Have a water source handy such as a garden hose or bucket.
- Never experiment with or make your own fireworks.
- Light only one firework at a time.
- Never try to re-light a "dud" firework.
- Use safety eyewear when lighting fireworks.

Show-Me supporters

The Show-Me State Games will bring tens of thousands of competitors and visitors to Columbia over the weekends of July 16-18, July 23-25, and July 30-Aug. 1. But it takes a lot of cooperation. In fact, there are more than 2,400 volunteer slots to fill for the 2004 Show-Me Games Call volunteer coordinator Jeneva Powell by the July 1 deadline at 884-2946. You can also e-mail PowellJP@missouri.edu or visit the Web site at www.smsg.org/volunteers.

Change in federal law prompts staff reclassification

MEETING A MANDATE

Nearly 450 staff positions will change from salaried to hourly pay status

Because of recent changes in the federal Fair Labor Standards Act, the UM System will be required to change the classification for a number of staff job titles from an "exempt" or salaried status to a "non-exempt" or hourly status.

Human Resource Services has been meeting with division fiscal officers to explain the change and has scheduled four employee forums beginning June 29.

Individual employees who are affected will be notified by e-mail no later than early next week.

Nearly 450 employees on the MU campus in the following job titles will be affected by the change: administrative associate I; executive staff assistant I; user support analyst at the entry, specialist and expert levels; and system support analyst at the entry, specialist and expert levels.

"Human Resource Services is in the process of creating some new titles to manage these changes in exemption category to better reflect the duties and scope of these positions and to provide clearer career paths,"

says Karen Touzeau, assistant vice chancellor for human resources.

For those individuals, the change will not mean a reduction in pay, Touzeau says, but those staff will begin filling out time sheets and will be paid at an hourly rate every two weeks instead of receiving a monthly salary paycheck. They also will become eligible for overtime pay or, with department approval, for compensatory time.

Touzeau stresses that the change in exemption status will not impact the rate at which those staff members accrue vacation time. Under current University policy, exempt

employees earn 22 vacation days each year after five years of service; non-exempt employees accrue 22 vacation days annually after 15 years of service.

"All employees who move from exempt to non-exempt status due to these regulatory changes will be 'grandfathered' and will continue to accrue vacation at the current exempt rate," Touzeau says.

The Fair Labor Standards Act determines minimum wage, child labor laws and regulation of overtime payments. Amendments to the federal law went into effect April 23 of this year and the University must comply by the end of August.

Human Resource Services also will audit positions in two additional job titles that currently are considered exempt positions — administrative associate II and executive staff assistant II. Some of those positions will become non-exempt, while a few will remain exempt, Touzeau says.

"We know that this transition may be awkward for some staff. It is not meant to be punitive, but some employees may think that because of the culture that has developed on campus," she says. "The University is required to meet this new federal mandate and we hope to make it as smooth as possible."

The four open forums for employees will be held:

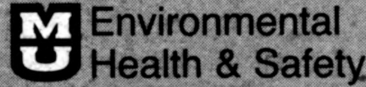
- June 29 at 3 p.m. in Ketchum Auditorium at the Engineering Building East
- June 30 at 9:30 a.m. in Acuff Auditorium at the Medical Sciences Building
- July 7 at 9 a.m. in the Adams Conference Center at the Veterinary Medicine Building
- July 12 at 3 p.m. in the Memorial Union Auditorium



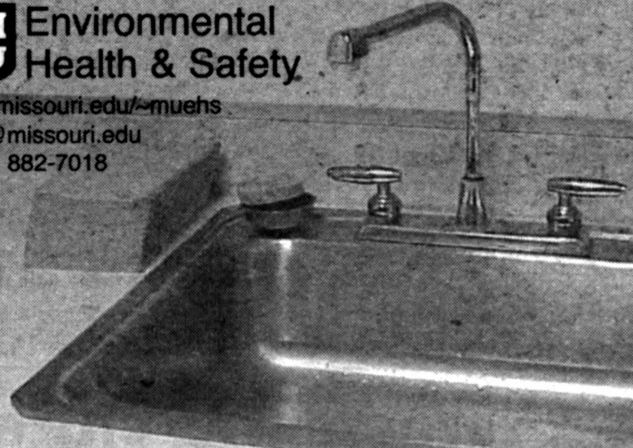
Parking & Transportation Services
Turner Avenue Garage
Level 2
882-4568

Departments may purchase temporary permits for special events or to keep on hand for the use of their guests. The permits are \$2 per day or \$6 per week and are available for various lots/garages throughout campus. All permit orders should be made two weeks prior to event. Permits may be ordered through our office by phone at 882-4568 or through our internet address at web.missouri.edu/~mubs/parking/TempParkPermit.html.

<http://mubsweb.missouri.edu/parking>



web.missouri.edu/~muehs
ehs@missouri.edu
(573) 882-7018



Public Notice

The University of Missouri-Columbia operates a public water system and is required by law to report annually to the EPA and the public on the state of the quality of the campus water supply. For calendar year 2003, the campus water supply met all EPA quality standards with no regulatory violations.

More information is available at www.cf.missouri.edu/energy/ccr.stm or you can contact EHS for a copy of the 2003 Consumer Confidence Report.

EHS "Working with the campus community to provide a safe and healthful environment."

MizzouWeekly

Volume 25 No. 32

A publication for the faculty and staff of the University of Missouri-Columbia, published every Thursday during the academic year and twice a month during the summer by Publications and Alumni Communication, a department of University Affairs, 407 Reynolds Alumni Center, 882-7357. News deadline is noon Thursday the week before publication. Annual subscriptions are available for \$30.

Editor John Beahler
Advertising Scott Reeter
Photographers Rob Hill, Steve Morse
Writer/designer Sue Richardson

Mizzou's comprehensive campaign enlists online support

GOAL ORIENTED Updated Web sites can help increase the ease of campaign donations

Last September, the University officially announced its \$600 million comprehensive campaign — For All We Call Mizzou — to ensure that the University, its students, faculty, programs and facilities will thrive for generations to come. The public declaration was accompanied by the unveiling of a brand new campaign Web site at <http://formizzou.missouri.edu/>.

At the same time, schools and colleges campuswide launched their own tailored Web sites, not only to provide visitors with information about the campaign's goals and ways to give, but also to provide visitors with reasons to give.

"The creation and development of a campaign Web site was strongly encouraged by volunteers across the country, because they thought this was an important way to get the news out quickly about events, new gifts and what the campaign priorities are," says Linda L'Hote, senior executive director of advancement for development.

The main campaign Web site receives approximately 1,200 visits a month, says Lori Croy, coordinator of Web communications at MU. The link to the schools and colleges sites, <http://formizzou.missouri.edu/schools-colleges.htm>, is always among the top three accessed links, she says. "It is the top exit page for the site, meaning that people are going to the individual campaign sites from this point to find more specific information about their area of interest."

Because more people use the Web as a primary source of information, these campuswide sites are designed, in part, to ease online giving. One simple way schools and colleges can do this is by updating their campaign pages on a regular basis, L'Hote says. "I think the more often that the Web sites are updated, particularly by illustrating interesting donor stories, the more those warm and fuzzy stories are apt to tug at someone else's heartstrings."

The Web is current and it is becoming more cost-effective for fund raising than direct mailing printed information, L'Hote says. "The real advantage of the Web is that you have the potential to reach an entirely different group of people than you would with a more traditional, limited hard-copy mailing."

Croy says that keeping reader interest high can be

accomplished easily by updating the sites with news and events that "give visitors a feeling that good things are happening as the University works toward its goal."

A few schools and colleges, she says, are meeting this expectation in various ways.

For example, the College of Engineering has added a related-links section that provides a quick path to some popular information for donors. See <http://www.engineering.missouri.edu/giving/>.

To start with, on the college's home page, visitors will find the For All We Call Mizzou icon so they can easily link to the campaign Web site, says Pat Lobenstein, editor in the external relations and marketing office. The Latest Campaign Totals link from the main menu shows visitors current totals for funds raised, how much remains to be raised and in which categories. See <http://www.engineering.missouri.edu/giving/totals.htm>.

The campaign page includes a virtual tour of a sample renovation to Engineering Building East. "The renovation is much needed and overdue," she says. The tour adds emphasis to the list of reasons alumni and friends' contributions are needed to help the college prepare the next generation of innovators. "We thought that if potential donors saw what we were trying to accomplish, they might be more agreeable to donating to the renovation."

The School of Journalism, by providing the campaign goal and the amount raised to date directly from the front of its campaign site, is able to demonstrate its success toward meeting that goal. See <http://www.journalism.missouri.edu/giving/>.

"This is a great repository for information about our goals and objectives that we can direct anyone to easily," says Colin Kilpatrick, the school's executive director of advancement, "and it is a forum where we can publicize campaign success stories such as the Reynolds Institute gift."

Across campus, the School of Social Work adds the current month's news, as well as a Save the Date calendar item to its campaign site at <http://ssw.missouri.edu/giving/>.

Information on this site is overlapped with the school's main Web site "to ensure visitors get the message regardless of their point of entry," says Susan Goryl, the school's development officer. The save-the-date feature alerts the public about continuing education events,

which are limited in mid-Missouri. Goryl says this feature is included on the campaign Web site "to provide visitors with something they need and, hopefully, stimulate their interest in further exploration of the site, including how to make a gift online."

With questions about Mizzou's comprehensive campaign and ways to improve individual campaign Web sites, call L'Hote at 882-5147 or e-mail her at lhote@missouri.edu.

Wanna round up 8,300 co-workers for your garage sale?

Run a classified ad in Mizzou Weekly. It only costs \$9.00 to run 30 words.

Ads are due by Thursday at noon one week prior to publication. Please include a check made payable to University of Missouri and send to Kristen Watkins, Mizzou Weekly, 407 Reynolds Alumni Center, Columbia, MO 65211.

An Evening with Robert Fulghum

author of All I Really Need to Know I Learned in Kindergarten

Monday, June 28, 2004
7:30 p.m.

Free and open to the public

Jesse Hall Auditorium
University of Missouri-Columbia

Keynote address for Teacher Appreciation Day



The Missouri Scholars Academy—A Commitment to Excellence
Sponsored by the Missouri Department of Elementary and Secondary Education in cooperation with the University of Missouri-Columbia

Find Us Everywhere!



MIZZOU CREDIT UNION®

www.mizzoucu.com

573-874-1477

**Throughout Missouri
St. Louis & KC!
PLUS Nationwide**



No Surcharge ATMs

Walk-In Shared Branches



CU SERVICE CENTERS.

The Member-Friendly Financial Network

**Locally...
3 Convenient Locations**

Downtown at First and Broadway
South on Providence at Buttonwood
West at Crossroads Shopping Center

For the locations where you travel go to www.mizzoucu.com

calendar



Concerts & Plays

Friday, June 25

SUMMER REPERTORY
THEATER: *Into the Woods*, a fractured musical by Stephen Sondheim, directed by James Miller, will be presented in Rhynsburger Theatre at 8 p.m. tonight and June 26 and 30, and July 7, 9, 15, 17, 21 and 24, and at 2 p.m. July 18 and 25. For ticket information, call 882-PLAY.

Tuesday, July 6

COMEDIES IN CONCERT:
Let's Get Saucy, a new "pizza commedia" by Adrienne Adderley, will be presented at 8 p.m. in The Corner Playhouse. For mature audiences. For ticket information, call 882-PLAY.

Friday, July 2

SUMMER REPERTORY
THEATER: *Moon Over Buffalo*, directed by Clyde Ruffin, will be presented in Rhynsburger Theatre at 8 p.m. tonight and July 3, 8, 10, 14, 16, 22 and 23, and at 2 p.m. July 11. For ticket information, call 882-PLAY.

Friday, July 9

SHOW-ME SHOWS: Su Madre, a sketch comedy company of MU players, will perform 20 pieces in 40 minutes about life in Missouri at the Corner Playhouse at 11 p.m. tonight and July 10, 16 and 17. For mature audiences. For ticket information, call 882-PLAY.

Tuesday, July 13

COMEDIES IN CONCERT:
Leaving Hannibal, by Mary Barile, will be presented at 8 p.m. in The Corner Playhouse. For mature audiences. For ticket information, call 882-PLAY.

Tuesday, July 20

COMEDIES IN CONCERT:
The Red Door, by Daren Froeschle, will be presented at 8 p.m. in The Corner Playhouse. For mature audiences. For ticket information, call 882-PLAY.

Courses & Workshops

Wednesday, July 14

HUMAN RESOURCES CLASS:
 Megan Martin, training coordinator with Human Resource Services will present "Desk Manual — Getting Organized" from 9 a.m.-noon in B234 Brady Commons. Registration is required; call 882-7760 or visit <http://web.Missouri.edu/%7Ehr/www/hrd/hrdseminars.html>.

Wednesday, July 21

HUMAN RESOURCES CLASS:
 Jenna Redel, an officer with the MU Police Department, will present "Identity Theft" from 9-11 a.m. in S203 Memorial Union. Registration is required; call 882-7760 or visit <http://web.Missouri.edu/%7Ehr/www/hrd/hrdseminars.html>.

Exhibits

BINGHAM GALLERY: "The Annual Art Faculty Exhibition" will be on display through Sept. 3. An opening reception will be held from 4-6 p.m. May 13 in the gallery. The gallery, located in the Fine Arts Building, is open Mon-Fri 8 a.m.-5 p.m.

MUSEUM OF ART AND ACHAEOLOGY:

- "Art about Art" will be on display through 2004.
- "Selections of Ancient Glass" will be on display through 2004.

The museum, located in Pickard Hall, is open from 10 a.m.-4 p.m. Wednesday-Saturday.

STATE HISTORICAL SOCIETY:

- "To Be a Witness: The Photography of Edward Sheriff Curtis," an exhibit of more than 60 photogravures and explanatory captions from his portfolio of North American Indian photographs, is on display in the main gallery through August. The main gallery is open from 8:30 a.m.-4 p.m. Monday to Friday.
- "Fresh Air: The Watercolors of Carl Gentry," which includes 56 watercolors by the former MU art professor, is on display through Sept. 24 in the north-south corridor. The corridor gallery is open from 8 a.m.-4:30 p.m. Monday to Friday and 9 a.m.-4:30 p.m. Saturday.

Meetings

Thursday, June 24

STAFF ADVISORY COUNCIL:
 Staff Council will meet at 1:15 p.m. in S204 Memorial Union today, July 8 and 22, and Aug. 12 and 26.

FACULTY COUNCIL: Faculty Council will meet at 3:30 p.m. today and July 29 in S203 Memorial Union.

INbrief

Kemper Fellows offer teaching tips

Over the last 14 years, 140 outstanding MU faculty members have received Kemper Fellowships for teaching excellence. Now, some of those teachers are sharing their classroom strategies in a new book on teaching.

James Spain, associate professor of animal sciences, and MU psychology professor Alan Strathman, Kemper Fellows from 2001 and 2000, respectively, are assembling the wisdom of some of MU's finest teachers for a nationally marketed paperback due out next spring.

The chief authors are 30 Kemper Fellows working in teams to write chapters on such topics as diversity in the classroom, grading, teaching lab classes and connecting with students in large lecture classes. The book will be a teaching resource, offering tangible techniques and practical advice relevant to instructors from technical schools to major universities.

"The sheer breadth and diversity of this book's contributors make it unique from any other teaching resource I know of on the market. Most books are written by fewer authors from fewer disciplines," Spain says, and adds that this book may be the first of many future projects to bring this prestigious group together. Proceeds from book sales will be used to create an endowment to sponsor future projects advancing teaching excellence at MU.

Ireland draws MU Fulbright Scholars

Two MU faculty members will spend the fall 2004 semester in Ireland as Fulbright scholars. Brick Johnstone, professor and chair of health psychology, will spend the semester at the University of Ireland-Galway. Johnstone will teach and conduct research with local faculty and at Ireland's National Rehabilitation Hospital. His research will focus on rural Irish people who are disabled.

Steve Osterlind, professor of education, school and counseling psychology, will spend the fall semester in Dublin at the National University of Ireland. An expert in statistics and measurement, Osterlind will mentor faculty there in education research using the latest statistical methodologies.

For nearly 60 years, the Fulbright program's goal has been to create relationships and foster mutual understandings among countries through an exchange program for scholars. MU ranks in the top 12 universities for its number of Fulbright scholars.

No teacher left behind

While reading and math are the current focus of education reform in the No Child Left Behind arena, science scores will be emphasized in the 2007-2008 school year. A group of MU professors hopes to improve middle level students' science achievement by spending three weeks this summer teaching their teachers. The MU team will strive to increase the teachers' knowledge and offer tips on how to bring science alive for young minds with topics ranging from simple circuits to chemical compounds.

The Physical Science Summer Institute for Middle Level Teachers (grades 6-9) will target school districts with poverty levels of more than 20 percent and Missouri Assessment Program (MAP) scores that need improvement. Meera Chandrasekhar, professor of physics, coordinates the institutes, which are taught in a three-year cycle with different course materials offered each year.

Chandrasekhar has taught at the institutes for 10 years and says there is evidence linking it to improved student achievement. Other MU professors teaching at the institute are Bruce A. McClure, associate professor of biochemistry; Steven W. Keller, associate professor of chemistry and Mark J. Volkmann, associate professor of science education. The Coordinating Board for Higher Education is funding the institute. More information is on the course Web site at <http://www.missouri.edu/~wwwepic/>.

Coffee Break?



- **CARNATION FLAVORED LIQUID CREAMER** (available in multiple flavors) 50/BOX Our Price: \$3.80
- **MAXWELL HOUSE COFFEE** 10 OZ. PKG Our Price: \$4.29
- **MAXWELL HOUSE DECAF COFFEE** 1.1 OZ 42/CASE Our Price: \$19.79
- **CUPS - STYROFOAM** (6, 8, and 12 OZ. sizes) 1000/case Our Price: \$10.16 - \$17.19
- **PLASTIC COFFEE STIRRERS** 1000/BOX Our Price: \$1.00

GENERAL STORES

MU'S Group Buying Solution

NOTICE: We will be closed Wednesday June 30

Order at www.mugeneralstores.com or call 882-6906

Bridges are roadside roost for bats

HIGHWAY HABITAT
Study could play role in management decisions

A preliminary study at MU has found that bridges may provide alternative habitat for bats in Missouri, a finding that could have management implications for many bat species, including the endangered gray bat.

Jessie Beck, a recent MU forestry graduate from Jefferson City, Mo., surveyed bridges in eight southeast Missouri counties in the St. Francis and Black river watersheds in 2003 to determine if bats were using the sites for daytime roosting.

"Studies conducted in other states have found that bats do roost under certain types of bridges when the surrounding habitat is favorable, but there hadn't been much research done in Missouri," says Beck, who worked with Rose-Marie Muzika, associate professor of forestry, and doctoral candidate Mark Yates. "We wanted to see what patterns of use might exist."

In total, Beck inspected 78 bridges, evaluating each for the presence of bats or bat guano, the bridge's physical characteristics, surrounding land use, habitat beneath the bridge, and the level of traffic use.

"During our survey, we found gray bats under four bridges and measurable amounts of guano under 26 bridges," she said. "The bridges bats favored for roosting were those using I-beam or T-beam construction, both steel and concrete. We found no evidence of roosting under bridges of any other type of construction."

Beck says bridges with support beams might be favored because they provide additional protection from wind and predators, or because the rough, vertical surfaces of the beams are easier for the bats to cling to than the smooth, horizontal surfaces below slab bridges. Bats were most often found roosting under these bridges when located within forested areas or areas with a forest and pasture mix, Yates says. "We found no

evidence of bat use of bridges in urban settings."

Beck adds that while the amount of traffic on the bridges didn't seem to affect roosting, disturbance below the bridges from human activities, including vandalism, did have an impact.

"The bats use of bridges suggests that their native habitat could be compromised," Muzika says. "As the landscape becomes more fragmented through human activity, it's important that we recognize the role bridges might play and incorporate them in our management decisions."

Although Beck is leaving Missouri to study entomology at the University of Georgia, another recent MU forestry graduate, Katy Menzel of St. Louis, will revisit the bridges where guano was found to learn more about bat roosting patterns.

"We'd like to identify all the different species of bats using the bridges, as well as determine whether they're using the bridges for day roosting or night roosting," she says.

Yates says Texas has initiated a

program to incorporate bat roosting habitat in its bridge improvements. "When we complete our project, we hope to provide MoDOT with similar

recommendations for bridges in Missouri."

Beck's study was funded in part by the College of Agriculture, Food and Natural Resources' On Campus Research Internship Program.

classifieds

FOR SALE:

Snoopy (and Peanuts Gang) Collectibles in R.K.'s Pet Emporium at 5400B East St. Charles Road (one block south at the I-70 exit 131, Lake of the Woods). Call Bob at 445-5530 for more information.

PROFESSIONAL LAWN CARE:

Complete residential and commercial mowing; mulching; leaf clean up and removal. Licensed and insured. Call for a free estimate. Phone: (573) 256-0114 or Cell: (573) 268-3649.

WEDDINGS AND PORTRAITS:

Now booking weddings and senior portraits. Reasonable rates to fit any size budget. Member PPA. Call for brochure: 573-489-7574 or 660-882-9809, leave message.

The classified advertising section is open to faculty and staff members and retirees.

Home phone number required.

No campus numbers will be printed.

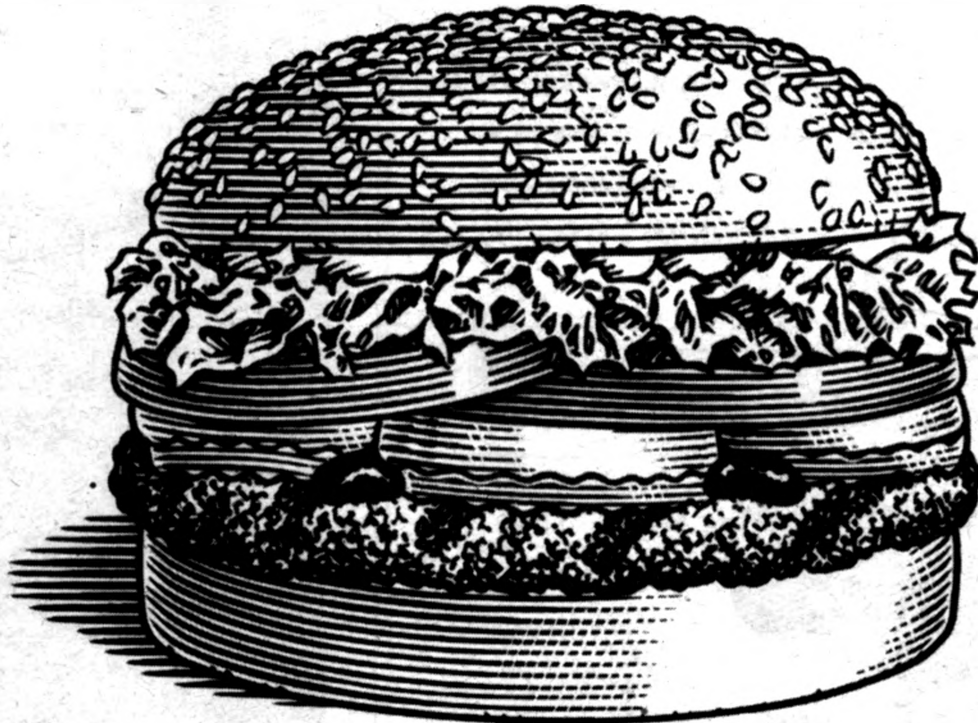
Rates: 30-word maximum \$9

Deadline: Noon Thursday of week before publication.

No refunds for cancelled ads.

Mizzou Weekly Classifieds. Make check payable to University of Missouri and send to Kristen Watkins, Mizzou Weekly, 407 Reynolds Alumni Center, Columbia, Mo. 65211

FLAME-BROILED TASTE THE DIFFERENCE



BRADY
FOOD COURT®

America's Favorite Burger*.
Big, juicy, always flame broiled. Live large and get your hands (both of them) on a delicious Original WHOPPER®



@ BK YOU GOT IT!™

*Based on a March 2002 nationwide survey of adults 18 and over conducted by an independent research firm.
™ & © 2002 Burger King Brands, Inc. (USA Only). ™ & © 2002 Burger King Corporation (Outside USA). All rights reserved.

GRANT from Page 1
 professor of industrial engineering, are helping Johnston lead the initiative. Both are key leaders in developing and teaching the Entrepreneurship-Manufacturing Innovation Laboratory Experience (EMILE) Project. See www.missouri.edu/~emile.

Moesel says that easy access to markets is one of the best ways to continually rejuvenate society. "With the bright and curious students we have at MU," he

says, "I am confident that many more will give entrepreneurship a try if we give them permission to dream by introducing them to ill-structured problems and letting them develop a sense of ownership over their own unique solutions."

Faculty and administrators who say the time is right to launch a comprehensive entrepreneurship education initiative point out that MU's project integrates well with the newly articulated fourth mission

of the University of Missouri System: fostering innovation to support economic development.

"We recently modified the University's mission statement to acknowledge that we do more than provide teaching, research and service," says Elson S. Floyd, UM System president. "We also have a direct role to play in promoting economic development throughout Missouri. If the University is to be a full partner in economic development, we must put our

knowledge to work for Missouri."

Training a skilled workforce is one way to do that, Floyd says. "Another way is to more aggressively create new technologies and actively participate in their commercialization," he adds.

Mizzou's strength in collaborative, cross-disciplinary initiatives lends itself to taking basic research and showing its relevance in applied settings for specific types of uses, Moesel says. The Life Sciences Center, he says, is MU's latest example of bringing together interdisciplinary teams of scientists to meet the global challenges related to food, health and the environment.

"Still, I think much more can be done that will benefit our students and constituencies, and even the faculty and staff themselves," Moesel says, adding that his own college is a prime illustration of a unit that is "working much harder and more effectively today at such collaboration than it was a few years ago."

Deans from across campus are in support of the program, Johnston says, and recently identified "faculty champions" from their respective programs to lead initiatives in their schools and colleges.

Many of those selected were among the faculty members

attending the 15th annual Wakonse Conference on College Teaching in May that highlighted entrepreneurship education.

The conference, co-founded by Johnston more than a decade ago, brings together faculty, staff and administrators from across the country to find ways to improve teaching and learning in higher education.

This year, MU's team returned home with goals for advancing the entrepreneurship education initiative for themselves, their academic divisions and the campus in general. "The Kauffman Foundation is serious about wanting a real commitment to providing access to entrepreneurial education from units across the entire campus," Moesel says. "It is imperative that we, as members of the grant team, do an effective job at communicating the benefits of training in entrepreneurial processes to faculty and administrators across the campus."

Why? Because entrepreneurship is about far more than just business marketing or product engineering, Moesel says: "A well-trained entrepreneur has to have a very broad education — in the tradition of liberal arts education — to understand how to effectively balance competing demands."

Want to finish your bachelor's degree? There's NO reason to be afraid of the math!

\$71.01 x 3 = \$213.03*
 minimum cost per three-hour course for MU staff

"This instructor could teach this course [College Algebra] in his sleep. He is very good to the 'numerically challenged' such as myself."

-Comment from an MU In The Evening course evaluation

Going back to school can be intimidating, but at MU In The Evening, we will help you every step of the way. From filling out the right paperwork to choosing your courses, we offer you a convenient way to finish a bachelor's degree and keep working full time. You have the flexibility to choose areas of study that interest you, such as communication, business, information technology and design, social sciences, sociology or the humanities. We also have several course series on topics like corporate communication and graphic design. Classes start Aug. 23 and Oct. 18.

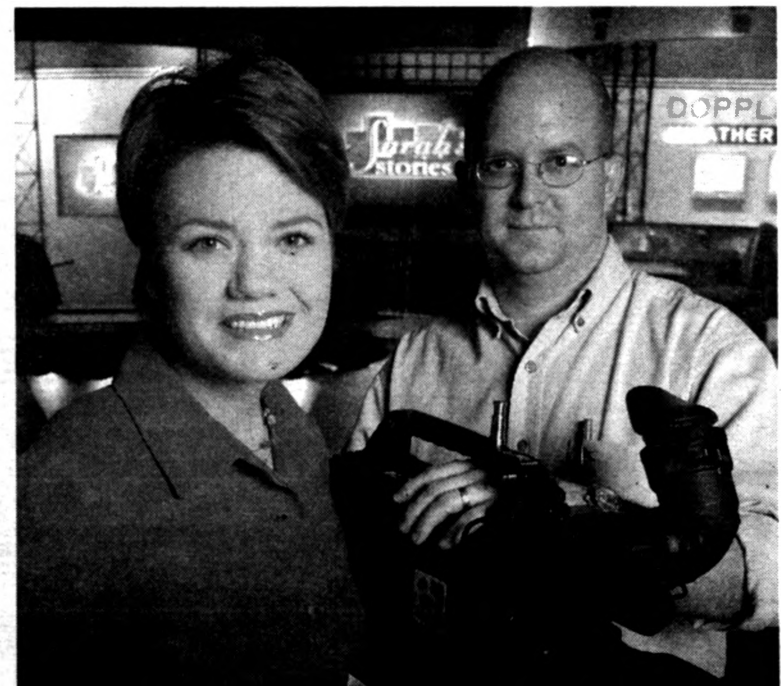
To learn more, stop by our next **Information Session** at 6 p.m. Thursday, July 1, at the Heinkel Building



MU In The Evening

evening.missouri.edu • (573) 882-3598 • 1-800-545-2604

* Based on regular undergraduate educational fee of \$209.20 per credit hour. Eligible MU staff members pay \$52.30 per credit hour (after 75% educational assistance) for up to six hours per semester. Eligible staff's spouses and dependents pay 50% of the regular undergraduate educational fee. Note: MU educational assistance programs do not cover the recreational facility fee and other potential related enrollment or supplemental course fees. See web site for more information.



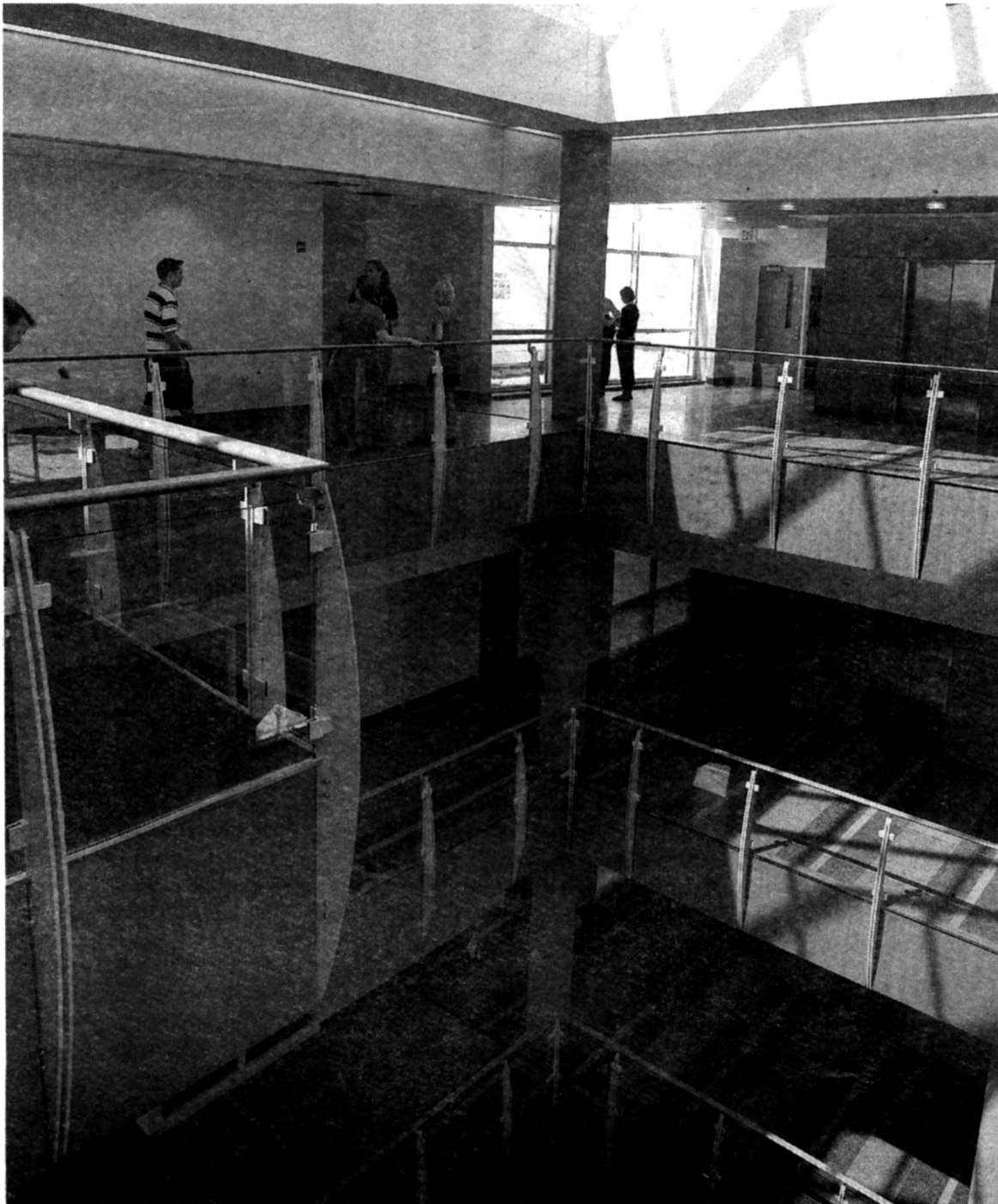
Sarah Hill

Brad Noblitt



Award Winning Journalism & Teaching Excellence

Regional Edward R. Murrow Award
 For Excellence in Electronic Journalism



CENTER from Page 1

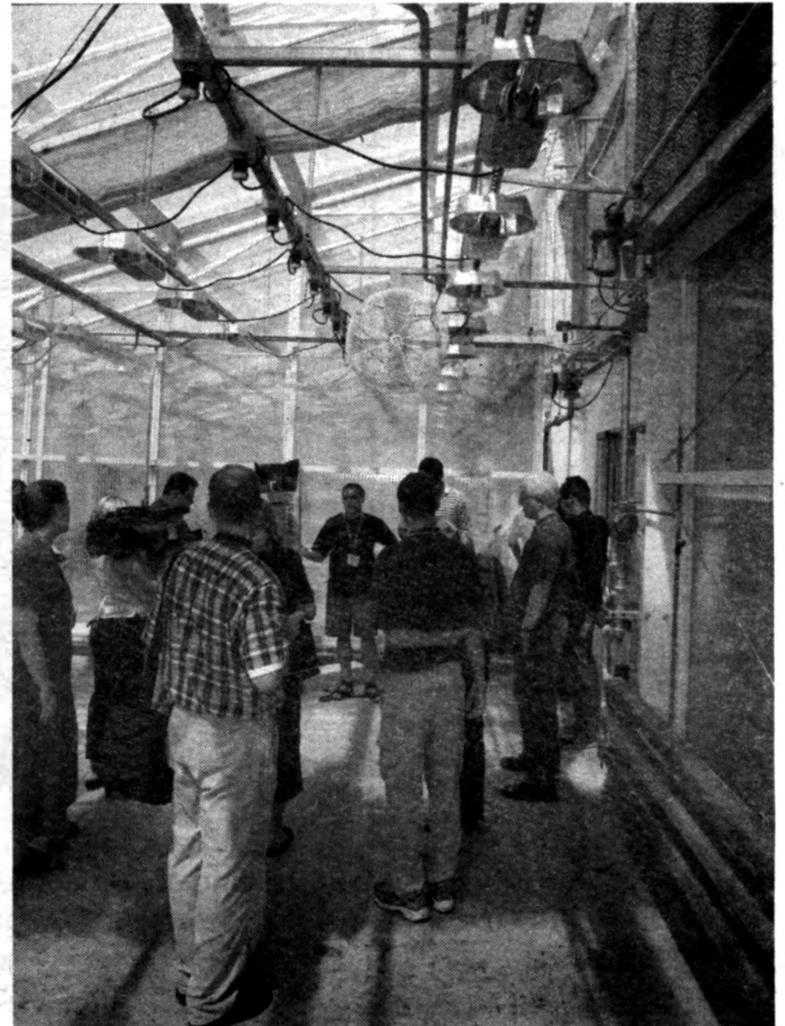
facilities for insects, microorganisms and animals.

“There is no other institution in the state that can match MU in life sciences research with respect to the combination of quality, uniqueness, breadth, integration of research, education and service, and the potential impact on economic development,” says Michael Chippendale, the center’s senior

associate director.

“Now the Life Sciences Center is poised to become the hub of collaborative research among researchers from six schools and colleges that will help take MU to even higher levels of excellence in research activity and results.”

A grand opening for the Life Sciences Center is planned for Sept. 17.



Steve Morse photos

DEBUT FOR DISCOVERY Work crews are putting the finishing touches on the Life Sciences Center, and faculty will soon begin moving into the new facility, left, which includes a number of greenhouse areas, right, for MU plant scientists.

Share your Favorite Campus Photo with 34,000 Alumni Around the Globe.

Deadline for the 2005 MUA Alumni Member Calendar Photo Contest is June 30, 2004

No Entry Fee. Slides, prints or digital photos accepted.

M
U
Alumni Association
established 1856

For more information click "Membership Services" on www.mizzou.com.

123 Reynolds Alumni Center - 882-6611

Museum Store Summer Sale

Take 20% Off:

- Jewelry
- Cards
- Glass Objects
- Scarfs
- Gift Items
- Figurines

Everything in the Store!

Museum of Art and Archaeology
1 Pickard Hall

Hours: Wed. - Sat.
10 a.m. - 4 p.m.



Museum Store Summer Sale 20% Off Coupon

Present this coupon and receive 20% off your entire purchase at the Museum of Art and Archaeology's Museum Store.

Coupon Expires June 30, 2004



Internet intrigue

JUNK MAIL Lawmakers cite potential abuse by lobbyists

Increasingly, state and national legislators are using e-mail to communicate with each other, constituents and lobbyists. An MU researcher who studied e-mail communications in the political sector found that while most legislators think e-mail helps them communicate better with constituents, they have several concerns about the technology.

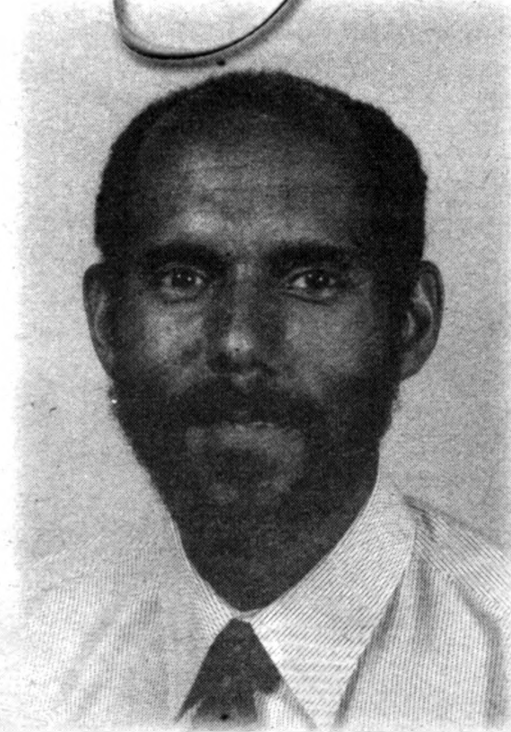
Lilliard Richardson, associate professor at the Truman School of Public Affairs, found that politicians' main concern with e-mail was the potential for lobbyists to abuse the system by trying to steer campaigns toward a single issue. Nearly 80 percent of respondents in his study expressed this concern.

"What we heard was that these interest groups can generate tons of e-mails from anywhere, and the legislators don't even know if they're from authentic people," Richardson says. "So they don't know anything about these people, yet their e-mail boxes are filling up. Rather than 'grass-roots,' the legislators call this abuse 'AstroTurfing.' We were told of a few cases where lobbyists had sent a high enough volume of e-mail to flood and shut down the state server."

Most legislators surveyed expressed concern that relying upon e-mail communication could result in biased representation, as many constituents may not have access to e-mail. They also were concerned about the confidentiality of e-mail, and whether or not the sender was actually a constituent. For this reason, many prefer more traditional means of interfacing with their constituents.

"Legislators still place a higher value on phone calls or letters and especially personal visits," Richardson says.

Presidential Congratulations. Award



University of Missouri Health Care
congratulates

Ellis Ingram, MD, MHA

Ellis Ingram, MD, MHA, associate professor of pathology and anatomical science in the University of Missouri School of Medicine and an University Physician, was one of 10 Americans recently recognized by President George W. Bush for providing opportunities for participation by women, minorities and people with disabilities in science, mathematics and engineering in elementary, secondary, undergraduate and graduate education.

Dr. Ingram has established mentoring activities for participants from early childhood to postdoctoral and faculty levels. Dr. Ingram and his wife, Pam, reach students through "Granny's House," a Columbia after school program for children ages 4 to 14.

Dr. Ingram also sponsors a science club for middle-school to early high-school students and an Excellence in Learning Program for senior high-school students that provide education in anatomy and medicine through Washington University. His mentoring activities serve diverse groups including undergraduate minority students in science and medicine.

Dr. Ingram's co-workers and friends have long known of his dedication to helping young people. Now the nation knows, too. We at University of Missouri Health Care are proud of his accomplishments and this well-earned recognition.

One of 10 national recipients of the
Presidential Award for Excellence
in Science, Mathematics and
Engineering Mentoring from the
National Science Foundation.



University of Missouri
HEALTH CARE

The care you deserve from the team you trust.

MizzouWeekly

University of Missouri-Columbia
Publications and Alumni Communication
407 Reynolds Alumni and Visitor Center
Columbia, MO 65211

Non-Profit
U.S. Postage
PAID
Columbia, Mo.
Permit No. 31

University Libraries
University of Missouri

Digitization Information Page

Local identifier MizzouWeekly(print)

Source information

Format Newspaper
Content type Text with images
Source ID Duplicate copies University Archives weeded out
Notes

Capture information

Date captured July-December, 2022
Scanner manufacturer Plustek OpticBook
Scanner model A300 Plus
Scanning system software Book Pavilion
Optical resolution 600 dpi
Color settings 8 bit grayscale for majority of pages;
 24 bit color for color illustrations/portraits/photographs
File types tiff
Notes

Derivatives - Access copy

Compression Tiff: LZW compression
Editing software Adobe Photoshop 2022
Resolution 600 dpi
Color same as captured
File types pdf created from tiffs
Notes Images cropped, straightened, and brightened.