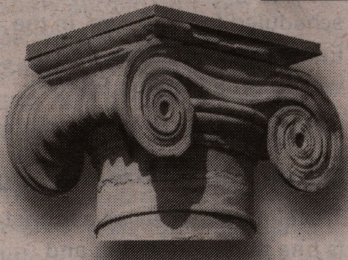


Mizzou Weekly



Distinguished Tigers
The Mizzou Alumni Association presents Faculty-Alumni Awards.
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Biological Basics
Getting to the root of inflammation.
Page 5

Sept. 3, 2009
University of Missouri

Room to grow

LEARNING EXPERIENCE

Landscape design class competes to dress up a campus corner

After months of construction work on MU's new student center tore out water lines, trees, sidewalks and landscaping, the southwest corner of the Agriculture Building was looking more than a little bare.

Some landscape design work was necessary, but instead of bringing in Mizzou's Campus Facilities, the opportunity was turned into a learning experience for landscape design students. As a capstone experience, nine juniors and seniors competed to win the contract to embellish the busy corner.

"The students were excited about the opportunity because they could contribute to campus and create a portfolio item," says Mary Ann Gowdy, assistant teaching professor of plant sciences. A scholarship for the winner was funded by Tom Payne, vice chancellor and the college's dean, and Pete Millier, director of MU Landscape Services.

The students approached the project just as any design landscaping company wanting the contract would. They surveyed

the location to get a feel for how the area is used, evaluated design characteristics of the Agriculture Building and nearby structures, and they interviewed clients to determine their likes, dislikes and expectations. They consulted with Campus Facilities to understand campus requirements and also created a budget for their project.

Each student presented their designs to a three-person evaluation panel. In addition to their designs, students were evaluated on their presentation skills, quality of materials, design feasibility, budget and meeting client requirements.

Justus Lacewell, a senior plant science major from Eminence, Mo., won the competition, and his design has been given to Landscape Services for implementation.

"The designs ranged from simple to elaborate," Gowdy says. "Most had trees and bushes and many incorporated a patio or benches. Rollins and Hitt has become a major gateway to campus and the students want the area to be aesthetically inviting and a pleasant, green place to gather."

Lacewell's design features a large terraced area that



Randy Mertens photo

CAPSTONE COMPETITION Justus Lacewell, a senior plant science major from Eminence, Mo., won a capstone course competition to develop a landscaping plan for the southwest corner of the Agriculture Building. Lacewell's plan includes a large terraced area at the corner of Hitt Street and Rollins Road.

transitions the building, virtually sitting on a small hill, to street level. The terrace also gives students a place to sit. A walkway will connect the street-side sidewalk with Conservation Hall at the School of Natural Resources.

"I wanted a low cost and attractive solution that effectively handles the traffic flow out of Conservation Hall at peak periods of class break," Lacewell says. "Two features

that stick out on my design are the elevated wrap-around patio that connects the diagonal sidewalk from Conservation Hall and the three terraces that I feel attractively handle the harsh grade on the southern side of the building," he said.

Lacewell, who is seeking a career as a landscape architect, said it was a challenge to design something for the Hitt and Rollins location

that was easy to implement, attractive and fits among the widely different architectural styles of the Ag Building and the new student center.

Landscape Services is studying the design to make sure that it will fit within the overall campus landscaping plan and will not interfere with existing underground power lines or water mains. The project is tentatively scheduled to start in spring 2010.

Mizzou issues guidelines to university community for dealing with pandemic flu

UNDO THE FLU

Don't share your flu

The specifics of dealing with a worldwide flu pandemic can get more than a little complicated, but the message that MU administrators sent to the university community on Monday was loud and clear — and straightforward:

If you are experiencing flu-like symptoms, please stay home and don't come to work or to class. Make contact with your health care provider if you are ill.

According to the chancellor's Aug. 31 message, the novel H1N1 influenza ("swine flu") is present at MU. The Centers for Disease Control and Prevention

(CDC) estimate that 30 percent to 50 percent of the population may be affected by the illness.

MU administrators and staff at Environmental Health and Safety do have plans for handling pandemic flu; they include keeping people informed and handling specifics for students, faculty and staff on campus. University of Missouri Health Care has plans to handle a likely increase in sick people and to help prevent the spread of such sickness.

More information is available online at mualert.missouri.edu.

Employees who have symptoms of the illness, which include a fever of 100 degrees

or higher, body aches, cough and sore throat, should practice "self-isolation." In other words they should stay at home or isolate themselves as much as possible. They should not return to work until 24 hours after they no longer have a 100-degree fever or other flu symptoms.

Staff employees may use sick leave, vacation or personal days for all days they are absent from work. The 12-day limit on the use of family sick leave will be lifted to allow for absences to care for ill family members. Employees without paid time off can use leave without pay if they are ill or must care for a sick family member.

In a message to Mizzou faculty, Provost Brian Foster encouraged them to be prepared, plan ahead and be flexible. He suggested developing classroom coverage plans if they or other instructional staff are forced to miss class due to personal or family illness.

Faculty should also consider the potential impact on their class policies and be flexible with their attendance policies to accommodate student absences due to the flu. They can consider alternatives for assignments and deadlines, and consider alternative content delivery systems that will help support students who miss

class due to illness. Resources and suggestions are at etatmo.missouri.edu/toolbox/index.php.

According to the most recent online flu update from the CDC, almost all of the influenza viruses it identified in the United States were the new 2009 H1N1 influenza A viruses. It said these 2009 H1N1 viruses remain similar to the viruses chosen for the 2009 H1N1 vaccine and remain susceptible to antiviral drugs (oseltamivir and zanamivir) with rare exception.

During the week of Aug. 16-22, the CDC's update said, influenza activity remained stable or continued to decline in most areas of the U.S.

Black and gold bonanza

MU fans everywhere are encouraged to wear black and gold to support the University of Missouri for the fifth annual College Colors day tomorrow, Sept. 4. College Colors day promotes the traditions and spirit of MU. Fans are encouraged to don Mizzou gear and plan a "black and gold" event, such as an office tailgate lunch or best-dressed fan contest. College Colors day coincides with the start of the fall semester and the kick-off of MU intercollegiate athletics. The event's purpose is to advocate higher education through

increased public awareness and to celebrate the achievements of colleges and universities. For more information about the national event, visit www.collegecolorsday.com or MU Black and Gold on Facebook.

A Mizzou smackdown

There might not be a red carpet, but you can still plan to attend the Columbia premiere of the film *Mil Mascaras vs. the Aztec Mummy* at 7 p.m. on September 10th in Jesse Hall. This film is the first of three films produced by an interdisciplinary collaboration of Mizzou faculty and students,

and it has proven especially popular with fans and critics on the international film festival circuit and is now playing in limited theatrical release across the country.

Mil Mascaras vs. the Aztec Mummy established film production at Mizzou and was followed by the *Academy of Doom*, which has just completed its own successful run on the international festival circuit, and *Mil Mascaras: Aztec Revenge*, which completed filming in May.

These films tap into a cult-film genre that began in the 1950s based on a flamboyant Mexican style of wrestling

known as "lucha libre." Some scenes were filmed in Jesse Hall and the Hearnes Center. Collectively these films have attracted national press attention for Mizzou's new programs in Film Studies and Information Technology.

Arch rivals

Help kick off the Tigers' 2009 football season with a Tiger Tailgate in St. Louis before Missouri takes on Illinois in St. Louis Sept. 5. The Mizzou Alumni Association is hosting the event beginning at 11 a.m. at Sixth and Convention Plaza. There will be live

entertainment, a program featuring campus guests, and of course Marching Mizzou, the Spirit Squads and Truman the Tiger will be there to cheer on the Tigers. The game is scheduled for 2:40 p.m. in the Edward Jones Dome, and it will be broadcast on ESPN.

Study can be broadening

Traveling overseas as a tourist is one thing, but living and studying in another country is something entirely different. Each year, hundreds of Mizzou students take advantage of study abroad opportunities in nearly 400 programs

A new sense of direction

MAPS IN MEDICINE

Program aims to increase interest in science, math

What do swine flu pandemics and stem cell biology have in common? Medical scientists use sophisticated mapping tools to track the development of both.

MU, with funding from the Howard Hughes Medical Institute, is using mapping to give Missouri high school teachers and students a better understanding of fundamental concepts of human health, biology and medical sciences.

The program, called Maps in Medicine, uses mapping and biological imaging tools to build on students' innate sense of direction, position and movement. Educators are being taught to use these ideas as a starting point to teach students

how three-dimensional structures are determined by DNA and how cells move through space much as humans move across the earth.

"The basic notion is very simple," says William Folk, program director and professor of biochemistry. "Young people have a sense of direction and navigation that we wish to employ in helping them to understand how cells develop and how those cells navigate in three-dimensional space as tissues. We are using this sense of direction, movement and geography that is intrinsic in humans as a metaphor for the 'instructions' that determine movement of cells during development."

The year's program focuses on two areas: mapping cell fate during embryonic development and exploring how influenza outbreaks spread, are

mapped and are contained.

In mapping cell fate, students learn how cells get instructions to maintain or change their properties and what health problems occur when these instructions are challenged by genetic mutations or pathogens.

In mapping disease, students are introduced to the transmission of the influenza virus and how the spread of the virus is monitored at state, regional and global levels. The project helps students understand how infectious diseases are spreading around the globe. Maps in Medicine, a five-year program in its second year, is based around planning and developing specific curricula with the help of scientists, teachers and doctors. Part of its mission is to reverse a national downward trend in high school students' interest in and understanding of basic biology and human health.

Deaton asks Bud to can its campaign

POTENTIAL IMPACT

Black-and-gold cans infringe on MU's reputation

A"Team Pride" marketing campaign by brewer Anheuser-Busch has fallen flat with MU's administration. The campaign uses college team colors to promote its beer in local and regional markets. In Missouri, that has included producing black-and-gold beer cans.

Last week, Deaton wrote to Anheuser-Busch executives asking them to put a cork in it. He said that marketing displays of the black-and-gold beer cans in stores are being associated with official University of Missouri

trademarked products and logos.

"This is completely unacceptable and conveys the impression to the consumer that the University of Missouri is somehow supportive of this marketing effort for black-and-gold cans that were, in fact, never approved by MU. I ask that Anheuser-Busch immediately take action to terminate this marketing practice, which is now infringing upon the university's identity and reputation," Deaton wrote to Frank Z. Hellwig, senior associate general counsel at Anheuser-Busch.

He said that because underage college students make up a significant portion of Mizzou's football audience, "We are deeply concerned about the potential impact of such a campaign on our students. At MU, we work hard to educate our students about making responsible choices, and I would call upon Anheuser-Busch as a leading Missouri corporation to assist us in that process rather than targeting this age group with team colors on beer cans.

"At the University of Missouri, we put students first. We ask that Anheuser-Busch do the same and cease this 'Team Pride' campaign."

Todd Houts
 MU sustainability champion and assistant director of Environmental Health and Safety (EHS)

Thanks in part to Houts, EHS turns regulatory responsibility into environmental benefits. His staff oversees research-chemical recycling, saving MU at least \$200,000 annually. Houts' active involvement in air-and-water-pollution prevention, including a cooperative storm-water-management program with the city and county, helps Mizzou work toward a cleaner, healthier environment for us all.

Every little bit helps. Thanks for doing your part!

CAMPUS FACILITIES
 Sustainability Office
sustainability.cf.missouri.edu

MizzouWeekly

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Designer/writer Sue Richardson

offered by MU and partner organizations in 50 countries.

The MU International Center will provide the information necessary to get started on a study abroad program. The center will host its 12th annual Study Abroad Fair from 11 a.m. to 3 p.m. Wednesday, September 9 in Memorial Union's Stotler Lounge. The fair is the study abroad team's most comprehensive informational event of the year.

All students, faculty, and staff interested in learning more about MU's study abroad opportunities should plan to attend. The fair will include representatives from

a variety of MU colleges and departments, study abroad returnees and representatives from many of MU's partner programs. More information about available study abroad programs is online at the International Center's Web site at international.missouri.edu/studyabroad.

Connecting for baby

The increase in births to unwed mothers, divorces and couples who cohabitate before marriage has caused a strain on American families, especially children. As part of the National Healthy Marriage Initiative, an MU program is addressing this

issue by teaching parents to build healthy relationships for themselves and their children.

Connecting For Baby is a program for low-income, unmarried couples who are new parents or soon-to-be parents. The program, developed by researchers in the Human Development and Family Studies

Department in the — College of Human Environmental Sciences, takes a prevention approach by targeting young couples, ages 18-27.

"The couples in the program want their children to experience things they didn't — the stability of having

two, supportive and caring parents who love each other," says Larry Ganong, human development and family studies co-chair. "The program is designed to help couples who want to learn the basic resources and relationship skills needed to build and maintain healthy families."

MU sets diversity record

This fall, Mizzou welcomed another large freshman class while experiencing record enrollments for minority student groups, including African Americans and Hispanics. On the first day of class, MU officials welcomed

484 African-American freshmen, up 14.7 percent from 422 last year, and 152 Hispanic freshmen, up 16 percent from 131 last year. Overall, the university's first-day enrollment totals 30,831, while the number of undergraduates is 23,659. Both total and undergraduate enrollment numbers are the highest in the history of the university.

"Increasing the diversity on our campus has been our goal for several years," says Ann Korschgen, vice provost for enrollment management.

Med student outreach group will tackle breast cancer

EDUCATION IMPERATIVE

Program links uninsured to community resources

MedZou, an MU student-coordinated outreach clinic, is providing preventive care and education through its new women's breast care outreach program, Breast Care Unifying Peers. The clinic will host its first educational program intended to educate community members about breast cancer risks and preventive care at 10 a.m. Sept. 12 at the Central Missouri Community Action agency, 400 Wilkes Blvd.

"In 2008, nearly 4,000 Missouri women were diagnosed with breast cancer and about 900 women died of the disease," says Jane McElroy, assistant professor of family and community medicine and the outreach

program's director. "Education in our community is imperative so that together, we can prevent new cases and deaths."

The September program is the first in a series of four made possible by the one-year \$15,000 grant awarded through the mid-Missouri affiliate of the Susan G. Komen for the Cure Foundation. During each 90-minute program, participants will rotate through stations on breast health and breast cancer risk factors, such as screening, diet, exercise and alcohol consumption.

At the end of the session, participants will receive a thank-you packet for their participation. In addition, the grant enables the clinic to offer mammograms for MedZou patients who do not qualify for the state's Show Me Healthy Women Program, which provides free mammograms for

those meeting age and income eligibility requirements.

MedZou is uniquely positioned to link many uninsured community members with the resources that they need through this program, says Chris Gu, a second-year medical student and one of the clinic's student directors.

"We're trying to reach Columbia residents who are uninsured and may not have access to regular physician visits and educational information on breast cancer risks and preventive care," Gu said. "After almost a year of seeing patients, people are becoming aware of MedZou as a resource, but this grant really enables us to use targeted efforts to reach out to those in need of information or care."

Part of MedZou's mission is to unite students across

the disciplines in service to uninsured Columbia residents. Medical students, as well as those studying health management and informatics, social work, public health and nursing, all volunteer their time under the supervision of MU physicians each Thursday night from 5 to 9 p.m.

"This grant hopefully allows us to prevent new cases of breast cancer through education and save lives through early diagnosis, and it also provides the opportunity for students to learn about managing a public health campaign and treating patients," McElroy says. "This really benefits all of us."

J-School's PRIME lab links physiology to the news

A GUT REACTION

Readers pay more attention to local news

According to the "hardwired for news" theory, people devote more attention to information that is deviant or threatening. To test the theory, University of Missouri researchers examined the physiological effects of reading threatening health news online. The researchers found that news about local health threats increased attention and memory in readers more than news about distant, or non-local, health threats.

"Although journalists have often prioritized negative and local stories, there has been limited evidence to support that approach until now," says Kevin Wise, assistant professor of strategic communication in the MU School of Journalism. "This study provides physiological evidence that supports both the practice of localizing news stories and the idea that people

allocate more attention to negative news with a local focus."

This study is one of only a few that used physiological response to examine how people respond to reading text. The results indicate that people have an innate mechanism that enables more attention to be given to information that is localized and negative, Wise said.

"It seems ironic, but the majority of the time that people spend online is spent reading text," Wise says. "Therefore, identifying how people process and respond to text is critical to understanding the cognitive and emotional processing of all interactive media."

In the study, Wise measured the physiological responses, including heart rate, of participants as they read news stories about either local or distant health threats. He found that reading high-proximity, or local, health news elicited slower heart rate than low-proximity news, an indication that more cognitive resources

were allocated to the local news. Additionally, participants more accurately recalled details from local health threats compared to distant threats.

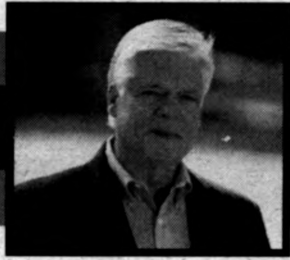
"It's logical to assume that people will be more likely to take protective or preventative action after reading about a local health threat," Wise said. "If journalists can increase the awareness of threats in local communities, then people will have opportunities to act upon that information."

The study was conducted at the PRIME (Psychological Research on Information and Media Effects) Lab in the Missouri School of Journalism.

The PRIME Lab is both a research and teaching laboratory devoted to the study of how different features of media affect the way that people think, feel and act. MU researchers conduct theory-driven, empirical research using psychophysiology and other behavioral science methods.

Department of Psychological Sciences
2009-2010 Distinguished Lecture Series

What's love got to do with it?
Psychological Perspectives on Intimacy,
Sex and Close Relationships



"Close Relationships Conceptualized in Terms of Attachment, Caregiving and Sex"

Phillip R. Shaver, Distinguished Professor of Psychology, University of California Davis
September 10, 2009, 3:30 to 5pm

Jesse Wrench Auditorium, 8107 • Memorial Union, University Ave. & Hill St.
Free and open to the public



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\$335,000 Call for appointment 573.443.4388

calendar



Concerts & Plays

Sunday, September 13

HISTORICAL SOCIETY REENACTMENT: A Lewis and Clark Corps of Discovery reenactment portrays Reuben and John Field, members of the historic expedition, complete with period costumes from 2-3:30

p.m. in the Museum of Art and Archaeology. Registration required, call 882-9498.

Courses & Workshops

Monday, September 14

GRAD SCHOOL SUMMIT: MU directors of graduate study will hold a summit will update graduate education and

the anticipated release of the National Research Council study. The summit will be held from 1-4 p.m. today and from 9 a.m.-noon tomorrow, September 15 Fred W. Smith Forum of the Reynolds Journalism Institute. Registration is requested after Sept. 4; contact the Graduate School.

Exhibits

ANTHROPOLOGY MUSEUM:

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

MUSEUM OF ART & ARCHAEOLOGY

• "The Fine Art of Living: Luxury

- Objects From the East and West"
- "The Faces of Warhol," featuring "working" photographs by artist Andy Warhol, is on display through summer 2010.
- "The Sacred Feminine: Prehistory to Post-Modernity" will open Aug. 29 and run through Dec. 24.

The museum, located in Pickard Hall, is open from 9 a.m.-4 p.m. Tuesday-Friday and from noon-4 p.m. Saturday and Sunday.

BINGHAM GALLERY:

- "The Communal Glass" is a community project of 500 glass twigs produced by Susan Taylor Glasgow, other artists and non-artists from around the world and runs from Sept. 7-Oct. 1. A

- reception is Sept. 7 from 4:30-8 p.m. in conjunction with the MU Campus Gallery Crawl.
- Art faculty members Joe Johnson and Lampo Leong will present a two-person exhibition through Sept. 3. Johnson will be showing "Local Weather," his ongoing photography series. Leong will display "Qi — The Dynamic Movement of Energy," an exhibit of "wild" cursive calligraphy. An artists' reception will be held from 4-6 p.m. Aug. 27. The gallery, located in the Fine Arts Building, is open from 8 a.m.-5 p.m. weekdays.
- STATE HISTORICAL SOCIETY**
- "Under Construction: Images of the Gateway Arch by Art Witman," features mural-size photos taken by photojournalist Witman as the St. Louis landmark was built from 1963-65.
- "Wall Street and Main Street" features editorial cartoons by Robert Fitzpatrick on the economic crisis of the 1930s that were published in the St. Louis Post-Dispatch. The exhibit runs through Oct. 3. Gallery hours are 9 a.m.-4:30 p.m. Tuesday to Friday and 9 a.m.-3:15 p.m. Saturday.
- ELLIS LIBRARY:** "Alley Oop: 75 Years of the Comic World of V.T. Hamlin," an online exhibit celebrating the anniversary of the comic strip originally drawn by an MU alumnus, is at mulibraries.missouri.edu/specialcollections/exhibits/alleyoop75th.htm.

CLINIQUE BONUS

Now - September 12

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Cosmetics Bag, Super Rescue Antioxidant Night Moisturizer, Clarifying Lotion 2, Different Lipstick in Tenderheart, Full Potential Lips Pump and Shine in Glamour-full, High Impact Mascara in Black, Colour Surge Eye Shadow Trio in Come Heather.

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Lectures & Seminars

Thursday, September 3

NUTRITION & EXERCISE SEMINAR: Dawn Cornelison, assistant professor of biological sciences, will present "Context Cues: Muscle Regeneration and the Extracellular Environment" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

Friday, September 4

ENVIRONMENTAL SEMINAR: Six MU engineering students spent this summer reducing carbon dioxide emissions, energy use and costs for Missouri companies and will present "MU Engineering Students Help Companies Fight Rising Energy Costs" from 1:30-3 p.m. in Lafferre Hall's Ketchum Auditorium.

Tuesday, September 8

BIOLOGICAL SCIENCES SEMINAR: Doctoral candidate Prakash Rath will present "Identification and Characterization of Initiating Cells in Malignant Tumors" at 8 a.m. in the Life Sciences Center's Monsanto Auditorium.

Wednesday, September 9

GRAD SCHOOL SEMINAR: Jerry Taylor and Carol Lorenzen from Mizzou Advance, will present "Frank Talk and Helpful Solutions for Women Entering the Academy" from noon-1:30 p.m. in S110 Eyer Memorial Union.

ECOLOGY & EVOLUTION SEMINAR: Michael Herman from Kansas State University will present "Ecological Genomics of Soil Nematode Community Dynamics: Model and Non-

SEE Calendar on Page 5

MU researchers getting to the root of inflammatory response in disease

According to the National Center for Chronic Disease Prevention and Health Promotion, 46 million Americans have arthritis. Many of these people take over-the-counter anti-inflammatory medications that block production of certain molecules, known as bioactive lipids, to reduce pain and swelling. Yet, the role of these lipids is not yet understood completely, and medications may have adverse side effects.

Recently, University of Missouri researchers completed the first comprehensive analysis of bioactive lipids in an inflammatory response triggered by the Lyme disease agent, *Borrelia burgdorferi*. This analysis could shed light on the role bioactive lipids play in inflammatory diseases.

"Many diseases, such as arthritis, cardiovascular disease and diabetes are associated with chronic inflammation," says Charles

Brown, associate professor of veterinary pathobiology.

"The first step in finding an effective treatment is to understand the basics of an inflammatory response, including the role of bioactive lipids," he says. "Understanding how bioactive lipids regulate the disease processes will lead to the development of drugs that have more specific targets and less adverse side effects."

In the study, researchers

investigated the role of certain bioactive lipids in mice infected with *Borrelia burgdorferi*, the bacteria responsible for Lyme disease. Eicosanoids, which are bioactive lipids that play an important role in inflammatory disease, were extracted from mice that displayed symptoms of Lyme arthritis and from mice who showed no symptoms. The researchers found differences in the amounts of specific eicosanoids in the samples,

which correlated with the severity of arthritis in the mice.

"The process of inflammation is not a passive event, but instead is a coordinated, orderly process actively signaled by specific protein and lipid molecules," Brown says. "Previous studies investigating eicosanoids have focused on singular pathways or phases of the inflammatory response. These studies provided an incomplete picture and gave the

impression that some bioactive lipids function in isolation."

The findings from this study also could translate into a diagnostic tool for assessing individual patients, assist with the development of more disease-specific therapies, and facilitate the progress of individualized medicine, resulting in more effective treatments for inflammatory diseases with fewer side effects.

Save on your prescription costs



The friendly pharmacists at the University Physicians-Green Meadows Pharmacy can provide you with information about the 90-day prescription plan available through University of Missouri prescription insurance. Call or stop by one of your neighborhood University Pharmacies to learn how you can save time and money on your prescriptions.

From left to right: Pharmacists Cee Jaye Pecorak, Paige Harris and Janet Nuse fill prescriptions at University Physicians-Green Meadows Pharmacy.

To fill a prescription or for details about MU's 90-day prescription plan, please call or stop by a University pharmacy:

University Hospital Pharmacy
One Hospital Drive
(573) 882-8600

Regional Medical Pharmacy (drive-through)
404 Keene St.
(573) 499-6022

University Physicians Medical Building Pharmacy
1101 Hospital Drive
(573) 882-8300

Smiley Lane Pharmacy (drive-through)
2325 Smiley Lane
(573) 817-3555

Green Meadows Pharmacy
3217 S. Providence Road
(573) 882-3151

Ellis Fischel Cancer Center Pharmacy
115 Business Loop 70, West
(573) 882-8890

Fairview Pharmacy
101 S. Fairview Road
(573) 884-1100

 **Health Care**
University of Missouri Health System

CALENDAR from Page 4

Model Approaches" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, September 10

NUTRITION & EXERCISE SEMINAR: Azlin Mustapha, associate professor of food science, will present "Probiotics as Functional Food Ingredients" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

MUSEUM LECTURE: Todd Richardson, a doctoral candidate in English, will present "Folk Art Factory: Andy Warhol and Vernacular Culture" at 5:30 p.m. in 106 Pickard Hall.

Saturday, September 12

SATURDAY MORNING SCIENCE: Galen Suppes, professor of chemical engineering, will present "Clean Vehicles: From Agricultural Waste to High-Tech Storage Tanks" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

HISTORICAL SOCIETY

LECTURE: Gladys Coggsell, master storyteller and author, will present "Stories from the Heart: Missouri's African-American Heritage" at 1 p.m. in Ellis Auditorium.

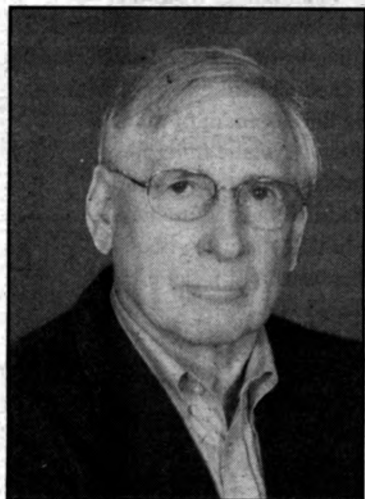
Special Events

Thursday, September 3

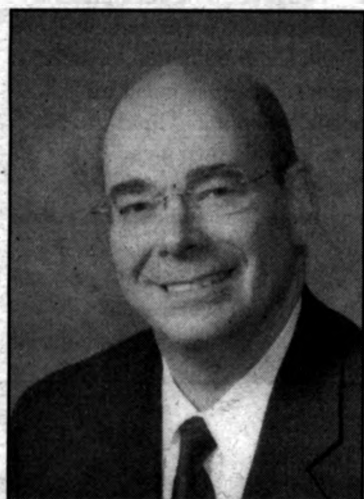
TOMATO FESTIVAL: Visitors can sample and rate tomatoes and peppers at the fifth annual Tomato Festival beginning at 4 p.m. at MU's Bradford Farm, located 6.5 miles east of Columbia on Rangeline Road. MU researchers and extension specialists will give talks and answer questions about tomato and pepper production, including control of insects, weeds and diseases. Local vendors will offer samples of their salsas.

For hours and maps, please visit www.muhealth.org/pharmacy.

2009 Faculty-Alumni Award winners



Clifton Baile



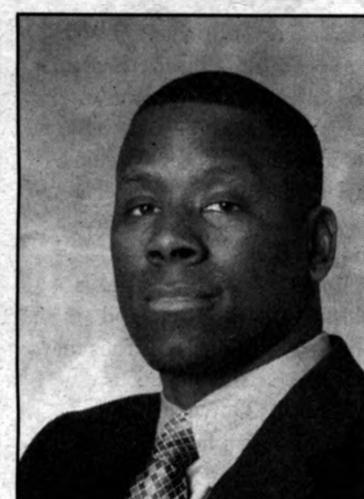
Lyle Brizendine



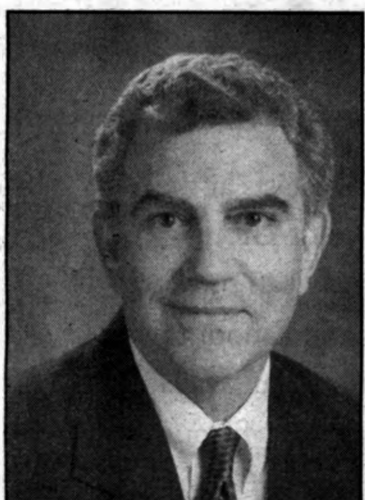
Linda Bullock



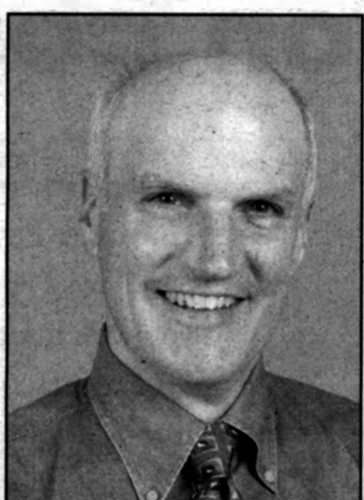
Jann Carl



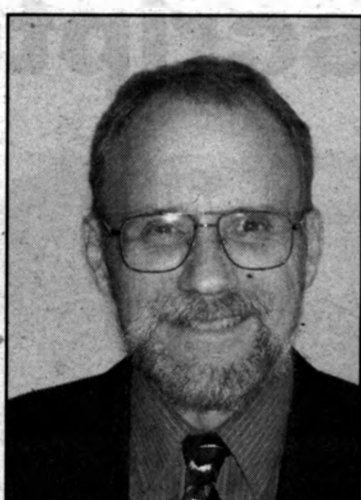
Tyrone Flowers



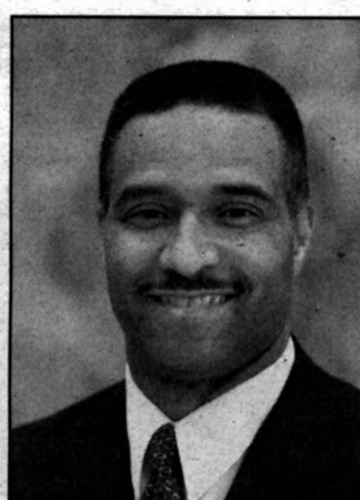
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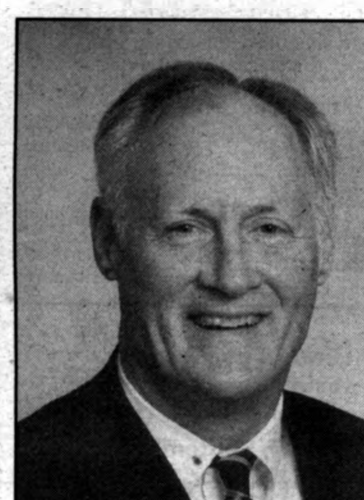
John Jones



Michael Kramer



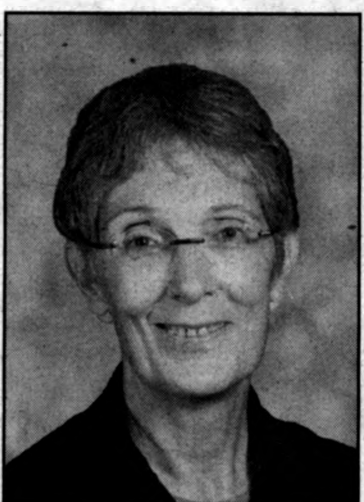
Leo Lewis III



W. Dudley McCarter



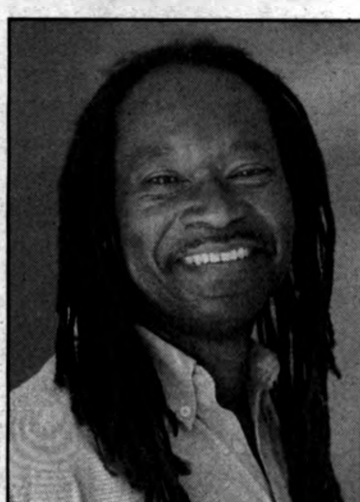
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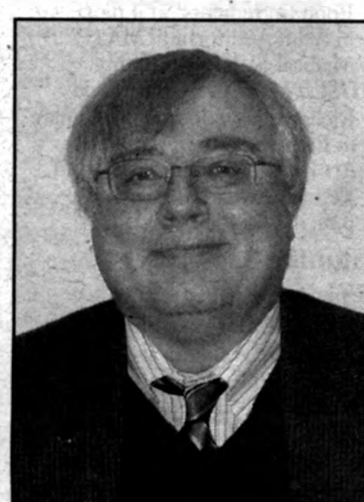
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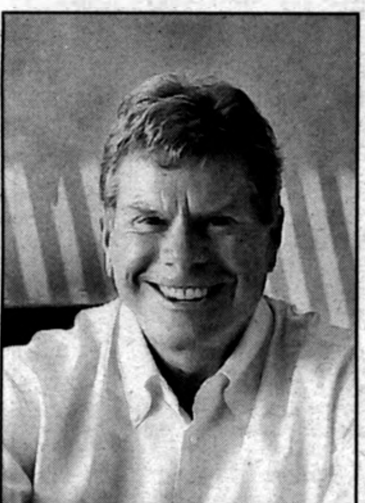
Melodie Powell



Anand Prahlad



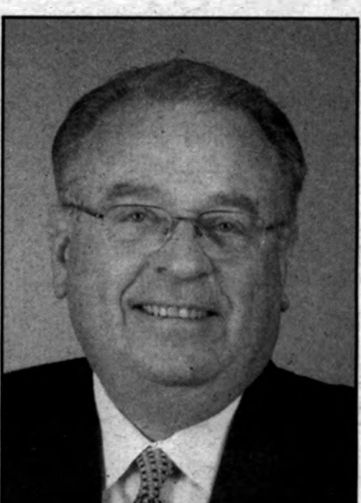
Mark Prelas



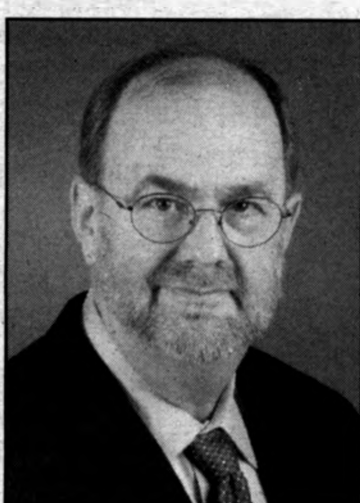
Jeffrey Smith



Michael Smith



R. Barnes Whitlock



Harold Williamson

Each year, the Mizzou Alumni Association honors a group of faculty and alumni for their service to Mizzou and their contributions to the university's success. Winners of the Distinguished Service Award, the Distinguished Faculty Award and the Faculty Alumni Awards will be recognized at a dinner and award ceremony Oct. 2.

The Distinguished Service Award this year will be presented to **W. Dudley McCarter, JD '75**, an attorney in Creve Coeur, Mo. A former president of both the Missouri Bar and the St. Louis County Bar Association, his St. Louis practice concentrates on civil litigation. In his community he serves on the Parkway School District board and the St. Louis Crisis Nursery board. An active Mizzou supporter, McCarter is co-chair of the University of Missouri 100 and member of the Mizzou Legislative Network, among other MU groups.

The Distinguished Faculty Award for 2009 will go to **John R. Jones**, professor and chair of fisheries and wildlife sciences. Jack Jones is internationally known for his water quality work — especially in Nepal, where he developed a simple fishery adaptation that

has helped struggling fishing families feed themselves. His research in a broad variety of environments has helped improve water quality in China, Costa Rica, Thailand and South Korea.

• **Clifton A. Baile, PhD '65**, is a CEO and professor of agricultural biotechnology in Athens, Ga. His research has focused on control of feed intake and obesity. Baile has participated in the founding of eight biotech companies and has been director of research and development for Monsanto's animal science division and research manager at SmithKline & French.

• **Lyle W. Brizendine, BS BA '74**, is senior vice president and director of philanthropic management for Bank of America. He has managed pension and institutional trust businesses in major financial services organizations, is a longtime supporter of MU's Trulaske College of Business and has served on its finance and management advisory boards.

• **Linda F. C. Bullock**, is chair of the doctoral program at MU's Sinclair School of Nursing. Her successful multidisciplinary research program has dramatically improved the health

of infants and pregnant women. She was the first to demonstrate the association between intimate partner violence and low birth-weight infants and has developed interventions to prevent such violence.

• **Jann Carl, BJ '82**, a broadcast journalist in Los Angeles, just completed her 14th season at "Entertainment Tonight," where she has served as weekend anchor, primary substitute anchor and senior correspondent. Since 1996, Carl has been a national co-host of the Jerry Lewis MDA Labor Day Telethon.

• **Tyrone Flowers, BA '93, JD '98**, of Kansas City, Mo., is dedicated to mentoring, developing and restoring hope in the lives of high-risk urban youth as founder and president of the community-based Higher M-Pact organization. A first-generation college graduate, Flowers overcame a traumatic childhood and gunshot injuries that left him in a wheelchair at age 17.

• **David S. Haffner, BS IE '74**, is president and CEO of Leggett & Platt Inc, a leading manufacturer of engineered products in Carthage, Mo., with \$4 billion in annual sales. He helped lead the company to be ranked in

the Fortune 500 in 1998.

• **Michael W. Kramer** is professor and chair of communication at MU. He is known for his work in organizational and group communication and has written numerous journal articles on his research in employee transitions, emotion management and group communication processes.

• **Leo E. Lewis III, BS Ed '80**, one of the most exciting Tiger football players, is now the associate director of athletics and student athlete development for the University of Minnesota. He played professional football for the Minnesota Vikings from 1979 to 1991.

• **Sabra Tull Meyer, BA '49, MA '79, MFA '82**, is a Columbia sculptor who has created bronze sculptures that can be seen in important sites across Missouri and that are held in many private collections. She has continued to study with nationally known sculptors and is listed in the Archives of the National Museum of Women in the Arts.

• **Marian Adams Minor, MS PH '79, PhD '89**, is professor and chair of physical therapy at MU. Her groundbreaking arthritis

research, once considered radical, proved that exercise is essential in treating people with many forms of rheumatic disease. She created the Health Connection in Columbia in 1990 as an extension of her research program.

• **Melodie A. Powell, BA '77, JD '81**, is an attorney in Kansas City, Mo., who specializes in defense of workers' compensation claims. She has expertise in the education, insurance and government sectors. She is a frequent speaker at legal education seminars and was appointed chair of the Kansas City Board of Election Commissioners in 2007.

• **Anand Prahlad**, professor of English at MU, is one of the world's leading experts in African-American folklore and is the author of the three-volume *The Greenwood Encyclopedia of African-American Folklore*. He teaches courses in folklore, literature, creative writing and film, and he founded "Poets-in-the-Schools" to teach poetry to elementary students.

• **Mark Prelas**, professor of nuclear science and engineering at MU, is internationally known for his work in diamond, wide-

SEE Awards on Page 8


Student Affairs Week — Aug. 31—Sept. 4

Congratulations on 25 or more years of service in September!

Name	Dept.	Years	Name	Dept.	Years	Name	Dept.	Years
Albert Lee Taylor	Residential Life	43	Kenneth D. Hulen	General Stores	30	Marilyn L. Brown	Recreational Services	28
Carl Wayne House	Residential Life	37	Lois Marie Connor	Student Life	30	Kim Dude	Student Life	27
Michael Anthony Pierce	Residential Life	37	Donald A Lampman	University Stores	29	Kenneth W. Baise	General Stores	27
Richard Roy Anderson	VC Student Affairs	36	Dale Ray Wesselmann	Residential Life	29	Andrea K Floyd	University Stores	27
Stella Mae Washington	Residence Halls	34	David Raymond Cleveland	Residence Halls	29	Alice Irene Lee	Campus Dining Services	26
Stanley Dean Freeman	Residential Life	34	Ronetta Diana Woods	Residence Halls	29	Laura Hacquard	Student Life	26
Charles Christopher Crowley	Residential Life	34	Joyce Marian Jesse	Student Life	29	Susan Denise Dayton	Campus Dining Services	26
Clifford Donell Nevels	Residence Halls	34	Sabrina Aurelia McClanahan	Residential Life	28	Harriett Green Sappington	Residential Life	25
Robert Paul Johnson	Residential Life	33	Sonia Kay Potts	University Stores	28	Rita E Houg	Residential Life	25
Russell Edison Miller, Jr.	Residential Life	32	Thomas McQuitty	Residential Life	28	Carol Ann Twenter	Residential Life	25
Clinton B. Falles	Residential Life	32	Michael Lynn Akers	General Stores	28	Matthew C. Smith	Residential Life	25
Ricky A. Cowan	General Stores	31	Mary Jean Sexton	Residential Life	28	Linda Beth Sanders	Residence Halls	25
Mary Lee Borman	Disability Service	31	Christopher P. Bowman	Residential Life	28	Charles Allen Kelly	Residential Life	25
Catherine V. Hurst	Student Life	31	Blythe Maria Bradford	Student Parent Center	28			
Mary Sue Proctor,	Residential Life	30						

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AWARDS from Page 7

band gap materials, ion driven lasers and nuclear energy conversion. He holds 19 U.S. and international patents and has been a leader in fostering relationships with scientists in the former Soviet Union.

• **Jeffrey E. Smith**, BS BA '72, a real estate developer in Columbia, is known as a philanthropist and an advocate for affordable housing. As founder and president of JES Holdings LLC, his companies have developed and invested in more than 15,000 affordable housing units for families and seniors.

• **Michael F. Smith**, a professor of animal sciences at MU, is a leading scientist in the field of animal reproductive physiology. The goal of his research is to increase reproductive efficiency in cattle. In addition to his scholarly work, Smith helped develop a

program that places reproductive management student interns on farms across the country.

• **R. Barnes Whitlock**, BS BA'63, is a certified public accountant in Springfield, Mo. He has led his firm, The Whitlock Company, to become one of the state's top CPA firms. Whitlock has served the university in many leadership roles, including chair of the Mizzou Legislative Network and the Missouri Flagship Council.

• **Hal Williamson**, MS '82, vice chancellor of the University of Missouri Health System, has served the health care system and MU's School of Medicine for nearly 30 years. Under his leadership, the Department of Family and Community Medicine has been ranked consistently as one of the top three family medicine programs in the United States.

Post-chemo cognitive problems reduce patients' quality of life

LINGERING EFFECTS

Study opens door to possible interventions

Each day, thousands of people undergo chemotherapy treatments for different types of cancer, and it is widely known that patients are negatively affected *during* the treatments. Previous research has shown decreases in cognitive functioning among cancer survivors following treatment. However, scientists were unsure how these cognitive declines might affect daily tasks or quality of life when the treatments ceased.

A new MU study reveals that, following chemotherapy, mild decreases in skills, such as verbal fluency and problem-solving ability, affect the quality of life for cancer survivors.

"These aren't huge deficits in cognitive functioning, but now that we are aware of these lingering effects, we can do something to help these patients," says Stephanie Reid-Arndt, an assistant professor of health psychology in the MU School of Health Professions. "After treatment, it isn't that you are severely impaired, but you might experience some mild weaknesses. Our next step is to examine some specific interventions and see which ones might help with these difficulties."

During the study, Reid-Arndt, and her colleague, Michael Perry, a professor in the Division of Hematology and Medical Oncology in the School of Medicine, studied women who had been treated with chemotherapy for breast cancer.

The researchers tested the women three times during

the year following their chemotherapy treatments. The scientists evaluated neuropsychological functioning, self-reported cognitive difficulties, fatigue, the amount of social support they sought, depression and the quality of life experienced by the breast cancer survivors.

While some of the findings affirmed older research, such as how fatigue and a lack of social support are important predictors for poor quality of life, Reid-Arndt identified two measures of daily cognitive functioning that seemed to affect quality of life. Verbal fluency, such as the ability to recall certain words when necessary, and self-reports of problems with memory concentration were indicators of poor daily functioning and poor quality of life among patients.

"It was a small, but significant percentage of breast cancer survivors that were reporting these problems in the study," Reid-Arndt says.

Over the length of the study, Reid-Arndt and Perry did see improved cognitive functioning in each of the areas assessed. In her next study, Reid-Arndt hopes to identify specific interventions that could benefit patients experiencing these challenges. Some of those interventions might include the use of pharmaceuticals or cognitive behavior techniques, such as relaxation training and the use of a daily planner to relieve the stress of remembering various daily details. According to Reid-Arndt, the answer will be determined when an intervention helps these patients to manage their lives better.

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