

THE MAGAZINE OF THE MIZZOU ALUMNI ASSOCIATION | SPRING 2012

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# MIZZOU

**HOME  
SWEET  
COMO**

Page 35

## Cyber-toothed Tigers

Mizzou manages innovation





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# MIZZOU

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'For the amount of money we're spending, we should be able to create more health.'

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About the cover: Illustrator Justin Wood's cyber-toothed tiger represents managing innovation at Mizzou. Image credits this page, clockwise from top left: Nicholas Benner, Rob Hill, Chip Gubera, David Spear

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VISIT [MIZZOUMAGAZINE.COM](http://mizzoumagazine.com) FOR MORE PHOTOS AND STORIES.

- > Check out a video of poet Gerardo Mena reading a war poem.
- > View photos of the Homecoming Steering Committee volunteer work in post-tornado Joplin, Mo.
- > Take a look inside the new practice facility for Mizzou gymnasts and Golden Girls.

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The Mizzou Alumni Association proudly supports the best interests and traditions of Missouri's flagship university and its alumni worldwide. Lifelong relationships are the foundation of our support. These relationships are enhanced through advocacy, communication and volunteerism.

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# Integrating innovations

This issue of MIZZOU is devoted to Managing Innovation. It is part and parcel of the four Mizzou Advantage areas previously covered by the magazine. Grandparents feel clumsy learning how to text their grandchildren on cellphones, but they have fun staying in touch once they get the hang of it. Parents create Facebook pages, and they are delighted when the "friend" invitation arrives from their children. Love it or hate it, technology plays a big role in our lives.

Technology is changing teaching and learning at Mizzou. In this issue, see how a new building — the MU Student Center — facilitates students' connections with their classmates and teachers. Airy and open, the student center is a pleasant environment,

conducive to learning. Speaking of fun, a world renowned professor puts on quite an act as "the father of modern genetics," Gregor Mendel. Jim Birchler, a biological sciences professor, spikes his lectures' entertainment value in costume, but don't underestimate him. He and five other Mizzou faculty are members of elite clubs, the National Academy of Sciences and the Institute of Medicine.

One of them, Michael LeFevre — chief medical information officer at MU Health Care — is putting the University of Missouri on the map with its early incorporation of comprehensive electronic health records from physicians to labs to patients. The big idea is to improve health care and make it more efficient.

There's more to come on that front. In June 2011, the Wallace H. Coulter Foundation selected the University of Missouri as one of six partner universities to accelerate the translation of biomedical engineering innovations into improved clinical care for patients. The Coulter Translational Partnership Program at MU is committing \$5.2 million over five years to advance such innovations through individual awards.

The University of Missouri has a great deal of biomedical research and intellectual property, and the Coulter award will help MU convert our research more quickly into clinical practice, says Dr. Bill Caldwell, director of Ellis Fischel Cancer Center and professor of pathology and anatomical sciences in the MU School of Medicine. Caldwell is part of an oversight committee that will pare 15 collaborative proposals to as many as seven that will be funded. Those projects will be announced June 1, 2012. — Karen Flandermeyer Worley, BJ '73

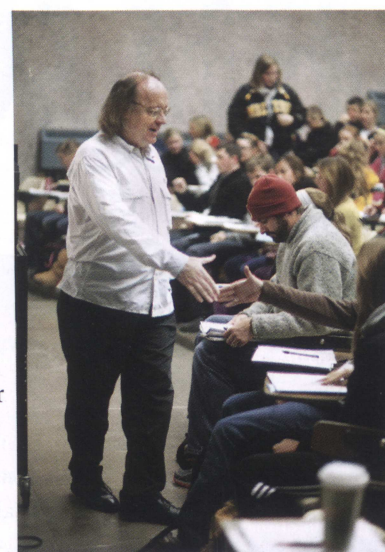


Photo by Rob Hill

Professor Jim Birchler reaches out to students, helping make genetics accessible and understandable.





## Sustainable energy reaction

Readers' reaction to the Winter 2012 issue devoted to sustainable energy, one of the five Mizzou Advantage areas, was interesting and mixed. Thanks for all your letters and emails. Your opinions are welcome. Keep reading, and keep writing.

MIZZOU magazine staff

## Hemp, not hay, bales

I was reading the Winter 2012 issue of MIZZOU magazine when the article "Civil War weather" caught my attention [Around the Columns, Page 12]. On the centennial of the first Battle of Lexington in 1961, I was a sophomore in high school ROTC at Central High in St. Joseph, Mo. Thirty cadets were selected to be a part of the re-enactment of the battle. I was chosen to be one of the rebel troops under Gen. Sterling Price. That event was also called the Battle of

Hemp Bales because the Southern troops wet down the big bales stored along the riverfront and rolled them in front of the battle line as a cover for their advance. The wet bales absorbed most of the small arms fire and shrapnel from the cannon balls as the troops moved forward on the Union breastworks at the top of the bluff. They eventually routed the federal troops, forcing a surrender. The article in MIZZOU indicated the Southern troops took cover behind hay bales when indeed hemp bales were used. At the time of the battle, Lafayette County was one of the main hemp-producing areas in the state.

The hemp was turned into ropes, cordage and produce bags for the river trade which was so important to state's commerce.

Larry Young, MA '68, Bemidji, Minn.

Editor's note: Tony Lupo, professor and chair of atmospheric science, stands corrected. When being interviewed by MIZZOU reporter Dale Smith

about the Battle of the Hemp Bales, "I inadvertently referred to these as hay bales. So the mistake is mine," says Lupo, a self-proclaimed city slicker and Yankee. "My apologies."

## Renewable or sustainable?

I commend your focus on sustainable energy in the Winter 2012 issue of MIZZOU. I must point out, however, an error in the "Plant-Powered Power Plant" article: Miscanthus is not, as the article mentions, a prairie grass, but is a species from Asia. It is also important to note that renewable energy sources should not be confused with sustainable ones: Miscanthus and other monocultures can require irrigation and fossil fuel-dependent fertilizers, and also provide little to no wildlife or pollinator habitat. A diversity of native prairie plants is an example of both a renewable and a sustainable energy source.

Truly sustainable energy sources are ones that build and maintain local economies, require sustainable energy inputs, and provide abundant ecosystem services.

Carol Davit, BA '89

editor, *Missouri Prairie Journal*, Columbia

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## What about overpopulation?

I applaud the green energy articles of the Winter 2012 issue of MIZZOU, but I am always chagrined when magazines focus on environmental issues with hardly a mention of overpopulation.

The simple fact is that all the environmental crises are the direct result of the compounding, worldwide effect of two underlying causes: rapid increase in per-capita environmental impact and a similar explosive growth in human population. Both have occurred mostly in the last 200 years. The solutions:

1. Alternative energy, consumption and waste reduction, and other innovative technology will lower, but not eliminate our per-capita impact. Without a reversal of population growth, total environmental



decline will only accelerate.

2. Population curve reversal is impossible unless we attend to it and address it in the mass media, politics and social discourse. Voluntary, humane means could reverse growth, but it will take worldwide awareness and action. If we don't do this, nature will do it for us, but in unpleasant ways.

Cynthia Anderson, BA, BJ '81  
Corpus Christi, Texas

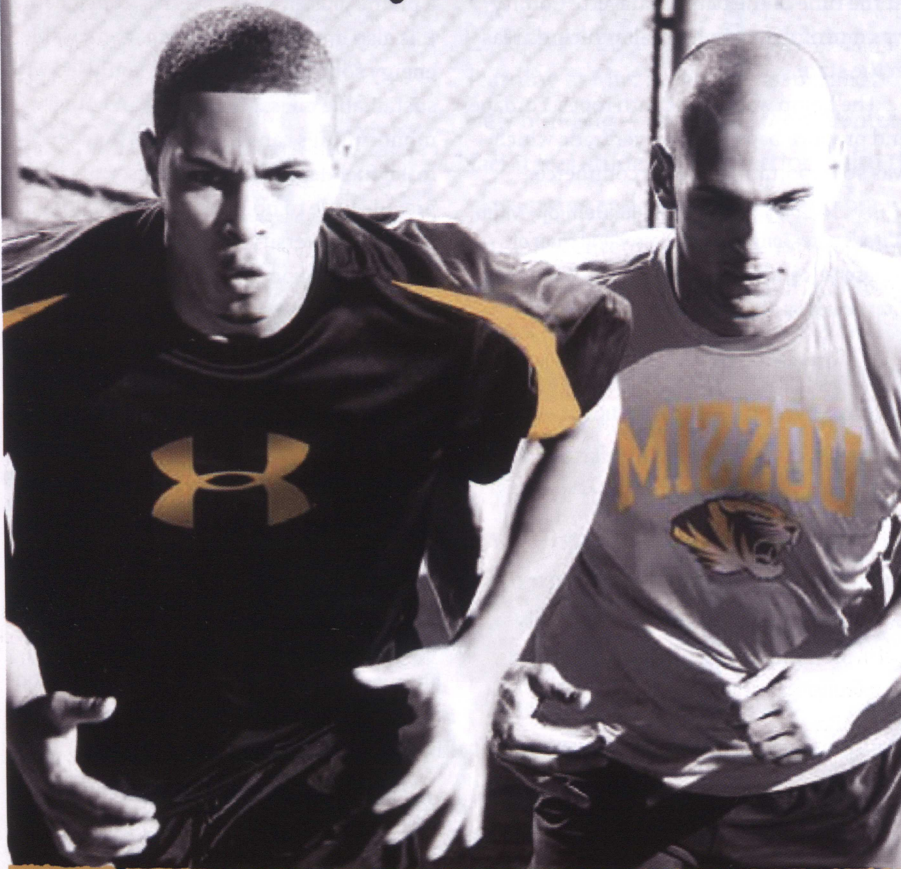
## Alumni working in biodiesel

We enjoyed the sustainable energy feature in the Winter 2012 edition. However, we'd like to point out that Mizzou alumni play a highly significant role in another important sustainable energy source: biodiesel. At least six University of Missouri graduates work with the Jefferson City, Mo., based National Biodiesel Board, the organization that launched and now supports the

1 billion gallon-per-year biodiesel industry. In fact, MU Agricultural Engineering professors led some of the first U.S. biodiesel research in the early 1990s. Biodiesel is a renewable, clean-burning diesel replacement that can be used in existing diesel engines and meets strict fuel specifications. Made from an increasingly diverse mix of resources such as agricultural oils, recycled cooking oil and animal fats, it is the first and only commercial-scale fuel used across the U.S. to meet the Environmental Protection Agency's definition of an advanced biofuel. It is produced in nearly every state.

Jessica Robinson, BJ '99, Columbia

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## Trip down memory lane

I took particular enjoyment reading the article "House at 210 Price Ave." in your Winter 2012 issue [Page 3], since it brought back many fine memories. When I transferred to MU from KU in the spring of 1959, I shared a basement apartment in a house located at 919 Maryland Ave. My roommates were Joe Kruger (Sigma Chi), Robert Hamilton, Richard Unruh (Sigma Nu), and myself (Kappa Sigma). I have fond memories when the girls from the sorority next door (the Thetas) would drop by for a visit.

We all waited tables at Christian College (now Columbia College); we received two meals for every one that we worked. With our meals taken care of, we had a few bucks available to go down to The Black Knight for some beers. The place was a favorite gathering spot, opened by a guy who also taught business law at Mizzou's College of Business.

Eventually, we graduated and moved on. Joe did well in the fast food business and is now retired in southern California as is Robert; Richard obtained a law degree and now practices in Colorado when he isn't occupied with skiing.

I was fortunate enough to retire at age 51 from being a corporate CFO. I owe this to some profitable real estate transactions in Orange County, Calif., along with





another opportunity I took advantage of by applying techniques that I learned from the professors in the business school. I now reside in Bend, Ore., with my spouse of almost 50 years; we live close to one of our sons and our beautiful granddaughter.

John D. Phillips, BS BA '61, Bend, Ore.

## Taking issue with coverage

The university has shown a commitment to utilizing new and sustainable energy alternatives, but its proposals downplay the economic and practical problems involved. Ron Wood, a member of the Missouri Energy Initiative, calls for the wise use of energy resources, yet an equally important objective is a wise use of our capital. The article in the Winter 2012 issue of MIZZOU states that the processing of biomass could create thousands of jobs. Yet for this to be true, we are told that huge taxpayer subsidies will be required. No estimate is made on how many tons of biomass are needed to produce 1 ton of fuel. What energy must be expended in this harvesting and processing? No estimate of a return on taxpayers' funds is supplied. No estimate is made of any net energy savings from substituting biofuel for coal.

In describing a "home of the future," Professor Xu proposes a geothermal system with the "heat sink" drilled close to the earth's surface, thus saving 50 percent of the investment. The presumption is that the energy recovery will still be sufficient to yield a viable investment. The facts of geothermal operations are that drilling must

be made to a depth that yields an adequate "heat sink." One cannot stop drilling "halfway" down.

Unnamed sources postulate that the intermittent nature of wind power can be converted to a reliable energy source by installing, in addition to a wind mill, a pump storage for lifting water via the wind powered generator to a new water tank (source of water unknown) to provide power via a second hydro-power generator. This may appear to balance the on and off nature of wind, but the viability of this requires implausible assumptions.

A future edition might explore the challenges for energy alternatives.

Robert C. Baker, BS ChE '53,  
Darien, Conn.

*Editor's note: Some technical aspects of the biomass story were simplified for a lay audience, says Gregg Coffin, superintendent of the Power Plant. "MU's Combined Heat and Power (CHP) process uses various topping and bottoming co-generation cycles to provide MU with highly reliable and cost-effective thermal and electrical energy. I should have stated 'the plant (MU's CHP) burns a third less coal (fuel) than separate power and thermal plants providing an equal amount of energy.' In response to your statement about unknown economic efficiency, both coal and biomass require processing and transportation prior to use as a fuel in MU's CHP facility. All of the plant's fuels are procured on a delivered energy basis or cost per MMBtu, which includes all these costs. The lower bulk density of the biomass compared to*

coal does result in a slight increase in the auxiliary horsepower required to convey the biomass from delivery to the boiler, however this auxiliary energy consumption is factored into our economic model when comparing the two energy choices. The reduction of coal use comes from the replacement of a coal boiler with the new biomass boiler, and from additional co-firing of biomass with coal in the plant's existing boilers."

In response to Baker's comments about geothermal energy, Yun-Sheng Xu, associate professor of civil and environmental engineering, notes that Baker is correct in concluding that a "deep" vertical system shows a superior result to a "shallow" horizontal system. In most applications, a horizontal loop system might not be able to act as an effective heat source or sink because of the significant temperature swing along the seasons, but the performance can be greatly improved through:

1. a carefully engineered design based on soil properties to figure out a proper depth with the highest temperature in winter (could be higher than the mean temperature of a vertical system, as a result of heat residues of the past summer. At the same depth, we can find the lowest temperature in the summer); and

2. covering of the ground surface in cooperation with parking lot/driveway construction to stop water permeation from rain and snow into the ground, the major reason for ground temperature drop in the wintertime. In some applications, Xu also integrates the horizontal loop with dirt removal in land preparation, pipeline construction and driveway building to further reduce of the geothermal loop installation cost.

MIZZOU magazine welcomes your feedback at [mizzou@missouri.edu](mailto:mizzou@missouri.edu). Please include your daytime telephone number, home address, email address, degree and year. Your submission may appear in a future print or website edition of the magazine and may be edited for style, length and clarity. Letters generally are limited to 250 words. Write us: 407 Donald W. Reynolds Alumni Center, Columbia, MO 65211; 573-882-7357; fax 573-882-7290.



## Welcoming a new UM System president

Tim Wolfe started Feb. 15, 2012, as president of the University of Missouri System, and the job is a homecoming of sorts. Wolfe's high-flying business career wrested him from the Midwest, but he grew up in Columbia and graduated from MU with a bachelor's degree in business administration in 1980.

After graduation, Wolfe joined IBM Corp., where he rose in the company to vice president and general manager of its global distribution sector. He left IBM in 2000 and for three years served as executive vice president of Covansys, where he led a global consulting team of more than 1,300 employees with \$125 million in revenue. In 2003, he joined infrastructure software company Novell as president of the Americas, and he led more than 3,000 employees and partner firms in the United States, Canada and Latin America.

His career has prepared him to deal with tight budgets. "For the majority of my 30 years, I've had to lead organizations that were resource-constrained — we had limitations in terms of funding," he says. "We had to talk about how we could meet budget expectations — in many cases, it was an efficiency statement. At the same time, we had



Photo by Nicholas Benner

New University of Missouri System President Tim Wolfe grew up in Columbia, where he was quarterback at Rock Bridge High School. In January, Wolfe's campus tour included stops on Francis Quadrangle.

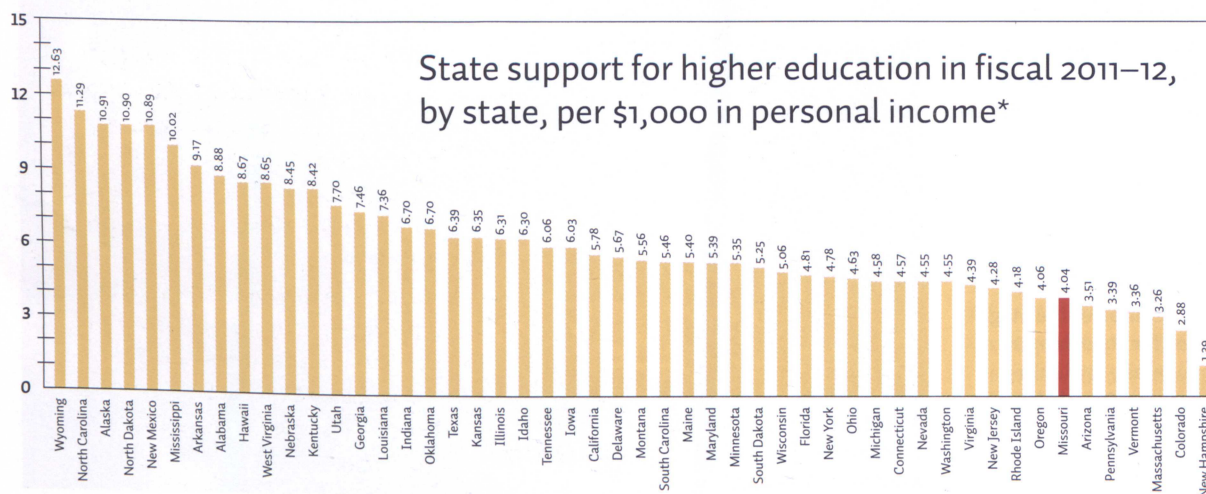
to have conversations about how we could drive the revenue line up top. So we had to have conversations about how we could increase the revenue. We have to, as we move forward, find new sources of revenue to fund our growth."

He plans to boost the use of technology, increase research, seek new revenue streams and work with leaders in business and government to shape an economic development agenda that creates more Missouri jobs.

## More budget cuts proposed

The fiscal 2013 state budget that Gov. Jay Nixon, BA '78, JD '81, proposed in January includes a third straight year of cuts to public colleges and universities. It would return MU funding to 1995 levels.

Nixon's \$23 billion state operating budget deals with a projected \$500 million shortfall in part by cutting Missouri colleges and universities about 12.5 percent, or \$99 million. MU's share would be a cut of approximately



In fiscal 2011–12, Missouri ranked No. 44 nationwide in state support for higher education. Missouri spent \$4.04 per \$1,000 in personal income compared to the leader, Wyoming, which spent \$12.63. Missouri also ranked No. 44 for per capita state funding for higher education.

Source: [grapevine.illinoisstate.edu](http://grapevine.illinoisstate.edu)

\* Figures include state monies, federal stimulus and government service funds.





\$21 million to its operating budget. This budget covers MU's core instructional mission; state support plays a key role in ensuring access and affordability, according to a University of Missouri System finance document.

In the governor's State of the State speech Jan. 17, 2012, he urged colleges and universities to operate more efficiently.

In recent years, MU has increased out-of-state enrollment, boosted outside research funding, raised more than \$1 billion dollars in private support and formed global partnerships, says Chancellor Brady J. Deaton. "Doing more with less has always been a hallmark of our university and defines our approach to achieving greater efficiencies. We have had no choice over the past 10 years." Since 2001, MU's enrollment has grown by 10,496 students (45 percent), while state funding has declined by \$27 million (14 percent).

During a Feb. 2 and 3 meeting of the University of Missouri Board of Curators in Kansas City, Mo., the group discussed raising tuition to help offset the proposed cuts and urged administrators to deal with employee compensation problems. Faculty salaries rank last among peer institutions in the Association of American Universities. A vote on tuition rates was scheduled for later in February.

Some legislators voiced opposition to Nixon's budget proposal at an alumni gathering Jan. 26 in Columbia sponsored by the Mizzou Legislative Network and College of Arts and Science Alumni Organization. Rep. Stephen Webber, D-Columbia, told alumni to be forceful when contacting elected officials. "We have to be lions," he said. "Lambs are getting eaten this year."

## Valor and verses

*They said you are a spear. So I was a spear.*

*I walked around Iraq upright and tall, but the wind blew and I began to lean.*

*I leaned into a man, who leaned into a child, who leaned into a city.*

Thus begins Gerardo "Tony" Mena's

poem "So I was a coffin," an emotional account of his experience as a highly decorated Navy medical corpsman serving with the Marines in Iraq. The piece, which includes heartrending lyrics about witnessing a friend's death, won first prize in the 2010 war poetry contest hosted by the literary website, Winning Writers. It also landed him in *Best New Poets 2011* by the University of Virginia's *Meridian*.

"When I first came back [from Iraq], everything was emotionally buried," says Mena of writing as therapy. "I saw a lot of bad stuff, and I found it would come out in different avenues of my life. Writing helped me address those issues in different lights."

Mena, a senior secondary education major from Kansas City, Mo., says he had never known another war poet until he returned stateside and met the famed Iraq lyricist Brian Turner. Now Mena has branched out into writing songs and essays. His work has appeared in the *Raleigh Review*, *Spillway Magazine* and *Diagram*.

"In the end, my goal is to inspire," Mena says. "Like Brian Turner did for me, I want to do for other vets." More: [gerardomena.com](http://gerardomena.com)



Photo by Nicholas Benner

Gerardo Mena, a senior secondary education major from Kansas City, Mo., has written poetry about his time in Iraq.

## Briefly

The School of Medicine won a two-year, \$5.3 million grant from the U.S. Department of Defense to continue studying ways to improve military medical training. Using U.S. Department of Defense funding, MU also has established the Combat Casualty Training Consortium, one of two new groups formed nationwide to **study combat medic training and train battlefield first responders**. The consortium will research hemorrhage control, airway management and emergency medical skills. Principal investigator **Dr. Stephen Barnes**, chief of acute care surgery at MU, will lead a team of more than 30 civilian and military experts on the project.

More: [medicine.missouri.edu](http://medicine.missouri.edu)

The 2011 Geyer Award winners are **Chris Kelly**, BS BA '72, and **Gary Forsee**. The Mizzou Alumni Association gives the Geyer award annually to recognize a public official and a citizen who have made positive impacts on higher education and Mizzou. Kelly is a state representative, and Forsee is a former University of Missouri System president.

More: [Mizzou.com](http://Mizzou.com)

At the fall 2011 commencement in December, MU gave honorary degrees to **William Trogon** and **Robert Loggia**. Such degrees go to graduates, former students and others who have achieved distinction or who have rendered important services to the state or university. Trogon, BA '61, MA '62, PhD '73, BJ '78, is the author of *Blue Highways*, *PrairieEarth* and other books. Loggia, BJ '51, is an actor who has appeared in movies including *Independence Day*, *Scarface*, *Big* and *Necessary Roughness*. More: [munews.missouri.edu](http://munews.missouri.edu)





## Scientifically speaking

Grace Olinger is learning to be a translator at Mizzou. Her translation work, however, does not involve a foreign language.

"There is plain English that everyone understands," the junior from Belleville, Ill., says. "Then there is the language of science."

As an undergraduate researcher at MU, Olinger believes scientists are responsible for communicating their work to the public in an understandable way. "Scientists need to know that not everyone thinks like them," says Olinger, a Hughes Research Fellow who is conducting research on HIV.

In addition to performing research, Hughes Fellows work with instructors and graduate students from MU's School of Journalism to learn how to communicate science more effectively.

"Journalists are the best at communicating with the public," Olinger says. "[Scientists] are learning how to communicate like them."

Hughes Fellows write weekly blog entries in which they translate a scientific article into everyday language. They also write two articles each semester and create a photo

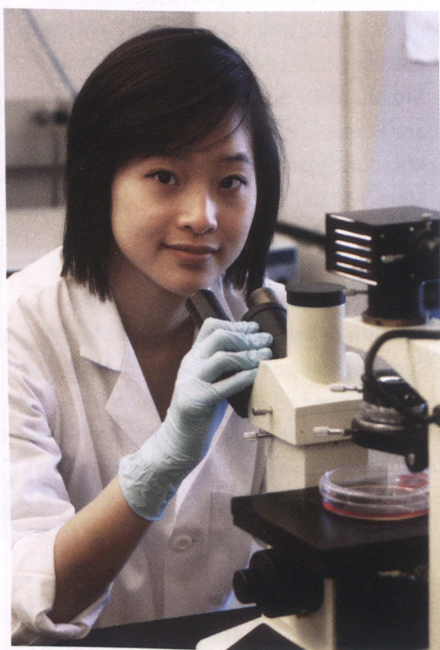


Photo by Rob Hill

**Grace Olinger believes scientists should communicate with the public in understandable ways.**

essay and a video about the research they are conducting.

"We are not just doing research for ourselves," Olinger says. "We are doing it for the greater good. We are not writing just to write. We want people to be entertained, and we want them to like science."

Olinger, who graduated from Belleville (Ill.) East High School, came to Missouri because of the opportunity to do research as an undergraduate. "I knew I wanted to be a researcher," she says. "To do that, I need some kind of research experience during my undergraduate years. Mizzou presented that opportunity."

She found that opportunity in the lab of Marc Johnson, an associate professor in molecular microbiology and immunology at MU, where they modify parts of HIV and other related viruses, and observe how it would react in different environments. They hope to learn more about the virus and use the research to develop new methods for gene therapy.

The research findings may be significant, but Olinger's skills at telling others about the work may be what sets her apart from other undergraduate researchers at Mizzou.

## Event offers 20-20 vision

As one of the masterminds behind True/False Film Fest and Columbia's Ragtag Cinema, Paul Sturtz appreciates turning a traditional media presentation on its ear. It helps if you can get a beer and a sandwich, too.

Now he has teamed with the Mizzou Advantage initiative to present 20-20 Night, a series that showcases art, literature, philanthropy and academia. Presenters from various walks of local life show 20 slides each and speak for 20 seconds per slide. Ragtag has hosted the event on the first Tuesday of every other month since October 2011, but a growing audience could prompt a move to a larger venue.

"It's like hors d'oeuvres," says Sturtz, who first experienced the snappy format in 2007 while traveling in Europe. "The six



minutes and 40 seconds is an introduction, and the 'meat' of the evening commences later in the bar area where you can approach your favorite presenter or discuss with your friends different issues that were raised during 20-20 Night."

The presentations can be serious, comedic, poetic and even theatrical. At the Dec. 6, 2011, event, Keith Eggner, MU associate professor of art and architecture, narrated an unusual perspective of architectural demolition as "building death." The audience was transfixed throughout explosive images of the Dunes Hotel in Las Vegas, the Kingdome in Seattle and Pruitt-Igoe in St. Louis.

"All things living die, and we, the not-yet-dead, devotees of car crashes and slasher films, like to watch," Eggner says. "We do this because it's sometimes exciting, sometimes beautiful, often horrible, always interesting."





Photo by Department of Housing and Urban Development

The 1972 Pruitt-Igoe demolition in St. Louis was one of the images presented at 20-20 Night, a thought-provoking event in which Columbia community members show 20 slides and speak 20 seconds per slide.

Ibtisam Barakat, MA '00, bilingual poet, educator and author of *Tasting the Sky: A Palestinian Childhood* (FSG, 2007), recited her poem "Revolution" paired with illustrations from her books.

"Freedom runs in my blood, an Arabian horse galloping," shouts Barakat, speaking to the revolutionary spring in the Middle East. "Run until we reach summer. No! This cannot be summed. Run until we reach autumn, for we ought to be free."

Live music, such as singer-songwriter Shannon Diaz, adds yet another facet to an already eclectic enterprise.

"This particular format is very forgiving," says Sturtz. "You can have an academic trying to cram a 30-minute lecture into six

minutes and 40 seconds, but it also works well with people from the community who are not polished speakers and who just want to talk about their lives."

## Teaching with Tegrity

At 8 a.m. on a Friday in December, students in Bethany Stone's Introduction to Botany class take their seats in the newly renovated lecture auditorium in Tate Hall. Stone admits it's not an easy time to teach college students, but she has a few technological tricks that help them make the grade — or at least hold their attention.

Stone's innovative approach to teaching undergraduates has earned her MU's 2011 Excellence in Teaching with Technology Award. Using tricks from Tegrity to texting, Stone, an assistant professor of biological sciences and also a 2011 Kemper Award winner, sees technology as a way to reach an increasingly wired student body. Tegrity is a program that professors use to record their lectures and accompanying slides to upload to Blackboard for student use.

"When a student can't come to class, I prefer they still have access to the material," she says. Even though ditching may be more tempting, "it's still the 50 minutes of lecture." Stone has a student who commutes from Kansas City to class in Columbia, and botany is his only class on Fridays. "It doesn't make sense for him to come out here for just a lecture."

Stone still gives exams the old-fashioned way with paper and No. 2 pencils; however, during lectures, students use cellphones to respond to questions via text using free software called Poll Everywhere. Students can ask questions during lectures via text through a different software program.

"Technology changes the pace of the class," Stone says. "I can switch things up from minute to minute."

In some of her other classes, Stone practices what she calls "flipping." Before class, students watch a lecture online and she



Photo by Rob Hill

Bethany Stone, assistant professor of biological sciences, records her lectures using Tegrity, a software program that allows her to post the lectures online. She is an award-winning teacher.

spends the 50-minute class period doing activities that reinforce the lecture. "I did some research in the genetic diseases class," Stone says. "After I started flipping the course-work, exam scores went up dramatically."

## Gig.U eyes Columbia

Mizzou and Columbia are part of a national consortium of research



universities and their communities that hope to act as test beds for ultra high-speed Internet capabilities. If it pans out, Internet users on campus as well as in local homes and businesses would enjoy far faster Internet than the current offering.

The group, known as Gig.U, hopes to use economies of scale to persuade providers to build the infrastructure in the relatively small but technologically advanced markets.

"Realistically, not everybody needs one gigabit at this time," says Elise Kohn, Gig.U's program director. But university communities are good investments because they attract savvy and innovative people. "These are the communities that are often related to health care, for instance, and that's part of the reason they need it."



## Restoring Jefferson's epitaph, a national treasure

Kee Groshong's fascination with the carved marble epitaph from Thomas Jefferson's original tombstone started when he was a student at Mizzou in the 1960s. The tablet inscription, intended as part of the tombstone, arrived at the University of Missouri in the 1880s as a gift from Jefferson's descendants. But before that, the tablet had been removed from the Monticello cemetery, where vandals damaged it not long after Jefferson died in 1826.

By the time Groshong, BS BA '64, saw the stone, it was a longtime resident of Jesse Hall and before that Academic Hall, where workers salvaged it after the devastating 1892 fire. "They used to get it out for Tap Day, and they'd bounce it around on a cart on Jesse's north patio." After graduating, Groshong spent his career at MU, retiring in 2002 as vice chancellor of administrative services. "I saw it periodically in the building. At one point they kept it in the cashier's vault on the first floor. Over the years it deteriorated, probably from fire damage and age. I thought it would be great to get it repaired and put back on display."



Photo by Rob Hill

The epitaph from Thomas Jefferson's tombstone needs restoration.



Even in retirement, Groshong's dream remained on his bucket list. "As I'm getting close to sinking my bucket, I thought I'd better get on it." He is working with campus leaders to raise money for restoration costs and to display it in the Jesse Hall foyer.

The tablet is delicate, says conservator Marianne Marti of Russell-Marti Conservation Services in California, Mo. Parts of the marble surface are chipping away. "Just beneath the surface, the material is friable, or sugary," she says. "If you touched it, it would rub away."

Restoration would start with a deep cleaning to remove nearly two centuries of dirt in the stone's pores. Then conservators would treat it with a chemical to make it

more solid. Eventually, she says, the stone could be used as a mold to produce a copy of the epitaph, which could go back on the monument on Francis Quadrangle.

It would be worth all the trouble, Groshong says. "Jefferson's epitaph is important not just to Mizzou but also the nation."

## Music: the tie that binds

Even though Zeke Piskulich is a fourth-generation Tiger, he didn't know anyone when he first stepped on campus as a student in August 2011. So, he hunted for clubs to join. Music had been a part of his life since elementary school, and he decided to sign up for Marching Mizzou.





Photo by Nicholas Benner

**Freshman and fourth-generation Tiger Zeke Piskulich plays the trumpet for Marching Mizzou during a football halftime show Nov. 19, 2011.**

"It became an immediate way to make friends," Piskulich says. "After practice, we'd all hang out, get dinner and see movies."

Piskulich booked himself a busy first semester on campus, including Honors College courses and daily Marching Mizzou practices.

His family members are no strangers to tramping around the Columns. Zeke's parents, Pat, BJ '81, MA '84, and Michelle, BA '81, MA '84, and his grandmother Mary Anne, BS Ed '57, and grandfather, John, BS IE '56, all crisscrossed the campus through the decades.

Zeke also has an emeritus professor in the family tree. His great-grandfather Frank Heagerty taught in the College of Education

and retired in the 1970s. Zeke and his grandfather have even shared the same athletic field — though not at the same time. John Piskulich played football for Coach Don Faurot in the 1950s. In 2011, Zeke took to the field in his role "pepping up the team" with his trumpet.

And when his parents come home to Mizzou for a football game, a walk around campus is mandatory.

"It's always fun and a little weird," Zeke jokes, "when your parents can show you where they used to go on dates when they were your age."

## Brazeals get to know scholarship recipients

When Jim and Cathy Brazeal met with MU Chancellor Brady Deaton in 2003, they indicated their wish to develop a scholarship that would attract high-achieving and diverse students to Mizzou. "We hoped to bring in the cream-of-the-crop academic prospects from underrepresented groups," says Jim Brazeal, BA '67, MBA '69.

Based on the four Brazeal Scholars now on campus, their vision is taking shape.

Out of that visit came the Brazeal Honors College Endowed Diversity Scholarship, a four-year award granted to one high-ability minority student each year. In addition to covering tuition, room, board and books, the scholarship provides entrance into the Discovery Fellows research program and covers the cost of an MU study abroad program.

"We wanted the scholarship to be as good as anything at the University of Missouri," Jim Brazeal says. "We wanted it to be competitive with any full-ride scholarship out there."

The scholarship has provided senior double-major Nick Cobblah the ability to do research in both of his areas of interest — English and physics. It has allowed freshman Brian Gaffigan to work on a research project that is using lasers to find cancer cells. It paved the way for senior Catherine

Newhouse to spend part of last summer in Rwanda, where she conducted research and wrote articles for *Christianity Today*. It has given sophomore Jennifer Wesley the chance to work as a neuroscience research assistant.

This year marks the first time the scholarship has a full contingent of four recipients on campus. That means a full table when the scholars and the Brazeals meet for dinner, which they do at least once a semester, adding a personal touch to the scholarship.

"It tells them who the Brazeals are," Cathy Brazeal says of the gatherings. "It shows them that we aren't just someone paying for their tuition who does not think about them."

The dinners allow the Brazeals and the students a chance to discuss classwork and research, while also catching up on other aspects of their lives.

"It's meaningful to me," Newhouse says of the unique interaction. "When you first meet them, it's like 'here are the strangers who decided they wanted to support all the crazy things I'm doing in my life.' They are very welcoming and make you feel at home."

"It's important that they know we are just average people," Jim Brazeal says.

While they may be average people, the Brazeals are providing above-average experiences to some impressive students.



Photo by Nicholas Benner

**Jim and Cathy Brazeal fund scholarships for minority students. When in Columbia, they enjoy taking students out for dinner. Shown here at a downtown restaurant are, from left, Jennifer Wesley, Brian Gaffigan, Jim Brazeal, Cathy Brazeal and Nick Cobblah.**



## Border show

For the second time in three years, Columbia hosted ESPN's marquee NCAA sports show, *College GameDay* — this time, the basketball version. Approximately 5,000 fans at Mizzou Arena welcomed show hosts Jay Bilas, Hubert Davis, Rece Davis and Digger Phelps Feb. 4, 2012.

Tiger faithful camped outside the arena as early as Feb. 2, despite rain and chilly temperatures, and lines formed for the show's 9 a.m. telecast at 5 a.m.

Diehard fan and senior art major Katie Doerhoff of St. Elizabeth, Mo., purchased a sleeping bag and tent on Feb. 3 to camp out and ensure her entrance to the show.

"The Wal-Mart cashier asked if there was some sort of college camping trip going on," Doerhoff said, still hoarse as one of the 15,061 who cheered the Tigers' 74-71 defeat of Kansas. "I was the third person in 10 minutes to do that."

In 2010, Mizzou set the attendance record when approximately 18,000 supporters filled Francis Quadrangle for *GameDay*'s football show before the Tigers' 36-27 Homecoming win against Oklahoma.



## Settling into the SEC

In July 2012, the University of Missouri joins the Southeastern Conference, ending 105 years of membership in the Big 12 and



Illustration by Blake Dinsdale

Mizzou begins play in the East Division of the Southeastern Conference beginning July 2012.

its previous permutations. The conference switch is a first in Mizzou's 122-year intercollegiate athletic history.

Since 2010, the Big 12 has seen Colorado, Nebraska and Texas A&M depart, while Texas, Oklahoma, Oklahoma State and Texas Tech have also investigated other conference options. Although the full ramifications of Mizzou's realignment remain unknown, Chancellor Brady J. Deaton, Director of Athletics Mike Alden and the University of Missouri Board of Curators say they are confident they have made a solid, long-term decision for Mizzou.

The Southeastern Conference's football prowess is legendary. On Jan. 9, 2012, Alabama beat division foe Louisiana State for the Bowl Championship Series title, marking the first time two teams from the

same conference competed for the crown. When the Crimson Tide rolls into Columbia Oct. 13, Mizzou fans can expect a raucous, packed visitors section at Memorial Stadium.

For Missouri, the SEC gauntlet begins when Georgia visits Sept. 8. Alden has challenged Tiger fans to travel to away games, sell-out home games and make a good first impression to the visiting institutions.

"We are the Show-Me State," says Alden, referring to the relationship between fan support and winning. "Our fan base has consistently said you have to show us that Mizzou is going to have an opportunity for success. Frankly, we have shown our fans an ability to do that in football, basketball, softball, volleyball, swimming and diving, wrestling and on and on. So this is an opportunity. We need to be going out and showing our new



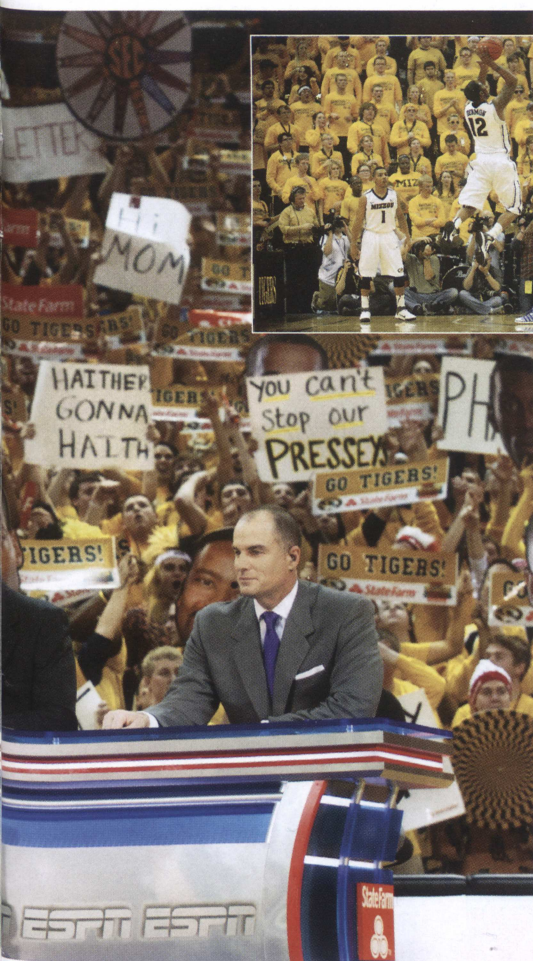


Photo by Mary Fama

conference members who we are.”

Mizzou also will face increased recruiting competition, which has prompted plans to upgrade the sports complex. Alden has targeted the baseball, golf, football, softball and tennis facilities for improvements.

Deaton says the conference move is primarily athletic, though it could bring benefits beyond the playing field.

“As we associate with new people and new regions, faculty interaction feeds off that and can find new opportunities,” says Deaton. As examples, he points out expertise in marine biology at Florida and agriculture at Mississippi and Arkansas. “The Southeastern Conference is probably the most diverse in the nation. Not just language and people, but biological diversity. When you see that and you’re



Photo by Shane Epping

ESPN broadcasts *College GameDay* from Norm Stewart Court in Mizzou Arena Feb. 4, 2012. The show’s hosts are, from left, Rece Davis, Hubert Davis, Digger Phelps and Jay Bilas. Inset: Senior guard Marcus Denmon elevates for a 3-pointer in the first half of Mizzou’s 74-71 victory against Kansas.

exposed to it, new things kick into motion.”

Deaton is also encouraged by Mizzou’s increased exposure in a thriving region of the country. Since the 2000 census, 13 southern states (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia and West Virginia) accounted for nearly half of the nation’s population growth.

“I would expect that the visibility of the SEC would make Mizzou more attractive to students in the southeast,” he says. “I don’t think we lose anything from where we have traditionally been recruiting strongly in Texas or Chicago or Minneapolis; we recruit out of the Big Ten Conference very actively, and we’re not in the Big Ten.”

Alumni opposed to the move have bemoaned losing the football and basketball rivalry with Kansas. But MU administrators say Mizzou wants to forge a nonconference relationship with the longtime rival, despite KU’s reluctance.

“You give up [conference competition with the Jayhawks] because you’re looking 50 to 100 years down the road,” Deaton says. “You’ve got to make the kind of decisions that will lead to strong foundations for this university.”

For Alden, the move to the SEC means the bar has been raised.

“I like addressing challenges and seeing how we respond so that we can become an even stronger athletic program,” he says. “And, shoot, I’m looking forward to going to Gainesville and Tuscaloosa or Auburn or Columbia, South Carolina.”

## Scoreboard

HOME	DOWN	YDS	TOGO	GUESTS	QTR
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**14:** Sacks by Pro Football Weekly/Professional Football Writers Defensive Rookie of the Year **Aldon Smith**, Bus ’10, a half-sack shy of the NFL single-season rookie record. He holds the Mizzou single-season record with 11.5 in 2009, a mark formerly held by his San Francisco 49er teammate **Justin Smith**, AFNR ’01, with 11 in 2001.

**5:** Mizzou’s preseason ranking on the ESPN.com/USA Softball poll, the highest in school history. The Tigers — also picked to win the Big 12 Conference in the preseason coaches’ poll — open league play hosting a three-game series against Kansas March 16–18.

**5:** Victories by the Mizzou gymnastics team to start the 2012 season, the first time in history that the Tigers have opened with five consecutive dual-meet wins.

**177:** Mizzou career blocked-shots record held by forward/center **Mary Brueggemann** (1981–85) until it was broken by senior forward **Christine Flores** Jan. 28, 2012, against Oklahoma. Flores had 186 shot blocks with eight regular season games remaining at press time.

**7:** Consecutive bowl appearances by the Tigers, including a 41-24 victory against North Carolina in the Advocare V100 Independence Bowl Dec. 26, 2011, in Shreveport, La. Sophomore quarterback **James Franklin** (Corinth, Texas) passed for 132 yards and ran for 142 to win MVP honors.

**20:** ESPN’s ranking of Mizzou’s 2012 football recruiting class, headlined by the nation’s No. 1-ranked wide receiver **Dorial Green-Beckham** of Hillcrest High School (Springfield, Mo.) and offensive lineman **Evan Boehm** of Lee’s Summit (Mo.) High School.









# WIRED FOR HEALTH

WITH INFRASTRUCTURE IN PLACE, HEALTH CARE PROVIDERS HAVE NEW POSSIBILITIES FOR IMPROVING HEALTH. ◇◇◇◇ STORY BY DALE SMITH ◇◇◇◇ ILLUSTRATIONS BY JUSTIN WOOD

**T**HE UNITED STATES is flunking out on health care, according to a recent article in the *New England Journal of Medicine*. In 2006, we spent more per capita on health care than any other country but ranked 39th for infant mortality, 43rd for adult female mortality, 43rd for adult male mortality and 36th for life expectancy. “For the amount of money we’re spending, we should be able to create more health,” says Michael LeFevre, chief medical information officer at MU Health Care.

LeFevre thinks that adapting information technology, or IT, to health care can help Americans get more bang for their health care bucks, which made up 17.6 percent of the gross domestic product in 2009. LeFevre, a 2011 inductee into the Institute of Medicine (See “Members of the academies” on Page 28 for more on National Academies members at MU), has led MU’s decade-long partnership with IT giant Cerner to improve care through technology. MU’s progress is well ahead of newcomers in the nationwide rush set off by the federal government’s 2009 American Recovery and Reinvestment Act, which paid \$19 billion to help wire hospitals and doctors’ offices. University of Missouri Health Care is one of the nation’s “Most Wired” hospitals, according to a survey released in the July 2011 issue of *Hospitals & Health Networks* magazine. And in May 2011, Healthcare Information and Management Systems Society (HIMSS) Analytics, a company that evaluates hospitals’ progress in implementing electronic records, announced that MU Health Care had reached several milestones in its transition to integrated electronic records, including:

- using computers to reduce medical errors by eliminating handwritten doctors’ orders and medication prescriptions;
- adopting computerized systems that alert medical professionals to potential problems with care or medications;
- giving caregivers immediate access to patients’ most up-to-date medical information;
- allowing faster ordering of laboratory tests and quicker access to results by caregivers.



## FOR PATIENTS

What might all this hardware and software mean to patients? For starters, LeFevre says, “Rather than carry a paper record into the examination room, I have a computer with a big screen, and I’m using it to share information with the patient. When we finish the visit, I type right into the computer the orders for a return visit and, say, a consult to ENT and a lab test for blood cholesterol. The patient carries no paper to the front desk or to the lab. When they show up, the orders are in the computer.”

Most patients at MU can get wired now, too, with secure online accounts they use to access portions of their medical record. About 5,000 are registered now. “Not a day goes by that I don’t trade messages with my patients,” LeFevre says. “It’s fairly common, for instance, that a woman gets a mammogram in the morning, the radiologist reads it in the afternoon, sends the result to my inbox in the electronic medical record and, before going home that night, I send on the result telling my patient that the mammogram she had in the morning is normal. That’s efficient!”

## GETTING CURRENT

Karl Kochendorfer has more sobering news about the state of American medicine.

“When it comes to information, physicians are only following 50 percent of current recommendations for most conditions. On average, it takes 17 years for new information to become common clinical practice.” Kochendorfer, director of clinical informatics in the Department of Family and Community Medicine and medical director of the Tiger Institute’s Living Lab, is looking for ways to reduce the lag time. MU faculty and Cerner software engineers collaborate in the lab to create ways to improve health.

One of several of the lab’s projects is Physician Express, a new iPhone app that gives clinicians remote access to patients’ clinical information, including problems, diagnoses, allergies, medications and vital

signs. Although having such information at physicians’ fingertips is convenient, the benefits go much further, says Joanne Burns, executive director of the institute. “For instance, a nurse at the hospital may call a physician about a patient who is developing a problem. Without Physician Express, the nurse fills in the physician, who has to work with second-hand data and anecdotal information. The nurse may not know to look at all the things a physician wants to know. But with the iPhone app, physicians can see the data for themselves. They may clue in on other vital signs or lab results, or they may notice something else that’s changing, and say, ‘You know, this creates a different picture than what I got through a third party.’ So, they get more information and can make a better-informed decision.”

Through Kochendorfer’s own company, he developed a search engine keyed to physicians’ needs. “Doctors have lots of questions,” he says. “For every three patients doctors see, they have two medical questions.” Physicians also need nuts-and-bolts information about the hospitals and clinics they deal with. “For instance, when admitting a patient to the hospital, you quickly need to know which physicians are on call and their phone number, so you can communicate with

them.” To serve such varied demands in a hurry, the Living Lab produced a one-stop search box where physicians can locate an array of key information. It looks not only “inside” at patients’ electronic medical records and hospital administrative data, but also “outside” at databases packed with the latest recommendations on medical topics.

## DASH TO DASHBOARDS

As the population ages, complex and costly chronic diseases including diabetes are on the rise. Taking care of diabetes patients efficiently is key to improving their health and controlling costs. Unfortunately, Kochendorfer says, at even the most renowned institutions, physicians and their diabetes patients manage to accomplish only five percent of recommended care. Information is key to doing better, but in earlier versions of MU’s electronic medical record (EMR), it was time-consuming to dig out important data about blood sugar, blood pressure, urine tests, foot and eye exams, and so on. “Our studies showed that it was taking physicians 60 clicks in the EMR to gather and review the appropriate data,” Kochendorfer says. In response, the Living Lab developed a screen summarizing the data and whittled the tasks to two clicks and two minutes.

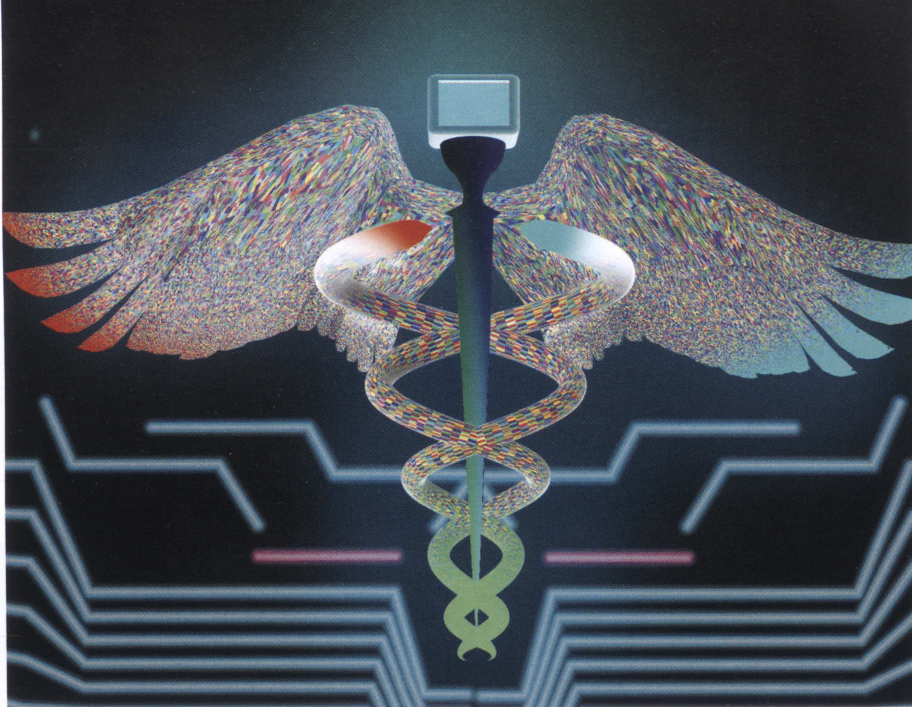
Organizing data in useful ways is a welcome development in health care IT, Burns says. “For years we focused on getting info into the system — orders, vital signs, lab results. Now providers are saying, ‘We need to see what those data look like in context for me as I take care of patients. Show it to me as a trend or in relation to other data.’ So, if I give insulin to a patient, I should see if the blood glucose goes down in a few hours, rather than, ‘Oh, we gave insulin, and oh, here’s a

glucose score, let me put them together to put the information in context for this patient.’”

The summary screen knocks down but one of several barriers to improving diabetes care through IT, says David Mehr, a researcher in family and community medicine. Mehr recently wrapped up a study of diabetes care that looked at 10 outpatient clinics, 106 physicians and 3,259 patients. The ques-

‘A COMPUTER CAN’T PRACTICE MEDICINE. THE RELATIONSHIP, THE HUMAN TOUCH IS ESSENTIAL. BUT PHYSICIANS SHOULD BE AIDED IN THE WAY THEY MANAGE INFORMATION.’





tion: Will physicians improve diabetes care if given regular updates summarizing how many of their patients have met certain milestones? In the study's first year, he divided the clinics into four groups.

Group one: Mehr emailed, or pushed, each physician monthly reports summarizing percentages of their patients who had completed each of eight key tests that serve as an indicator of diabetes care. The push reports offered a quick snapshot of a physician's diabetes caseload, but nothing more. Group two: Mehr provided access to more detailed "pull" reports, in which physicians could access a diabetes dashboard and drill down for data on individual patients. Group three received both push and pull reports, and group four was a control group that got no reports.

Physicians looked at the push reports, but that didn't improve the overall score for diabetes care, Mehr says. "However, clinics that could access reports and drill down to individual patients' data had a significant improvement in relation to others," he says. "Our study suggests that having actionable data — information that points you toward doing things — can lead to improved care." Unfortunately, he says, most off-the-shelf health care IT software does not provide actionable information. That's fixable, though.

The dashboard shows promise, but Mehr learned by interviewing clinic physicians and staff that the capacity to act on data

depends on workplace culture. "Clinics that showed improvement had team meetings to talk about the data. They decided they were embarrassed at their deficiencies and took actions. At clinics that didn't improve, they never met as a group to discuss the data and saw it as each provider for him or herself. There was not enough leadership to improve care."

## FOLLOW THE DOLLAR

LeFevre calls for another sort of leadership to push health care IT forward — payment reform. Current payments to providers are for episodes of care, such as patient-care visits, hospital stays and procedures. But IT could help providers look after whole populations of people, an approach that could yield more health and greater savings.

"Population management means I will pay attention to you, even if you don't show up in the clinic," LeFevre says. "Let's say that I have 10 people with high blood pressure, but the database tells me I haven't seen three of them for 18 months; I need to find out why and do something if I can."

That's an efficient way to go about medical care, but building the database is costly. "Right now there's no reimbursement for paying attention to populations, so what is the motivation for a hospital to spend a million dollars getting its computer system up to speed to provide this service, which reduces

its revenue stream by two million dollars by reducing hospitalizations and ER visits."

Taking care of populations proactively is the right thing to do, he says, but it won't happen until insurance pays for it.

## THE DREAM

Health care IT is in its infancy, LeFevre says. When asked about his hopes for its future, he begins by describing providers' tasks: build relationships, apply technical skills and manage information. "The way we have historically managed information was quite limited. We carried everything about you and about the literature in our heads."

But as medical information grows exponentially, providers could use IT not only to treat individual patients but also add to medical knowledge. "You bring to a patient encounter information about the patient, and medical knowledge, and neither of those things can you carry in your mind alone. And then you gather information about what's going on with that patient and make a plan of care. That plan is information. You set it in motion and look for outcomes. You get more information about that particular patient to feed back into the process, but you also should feed information into the larger knowledge base of medicine. Imagine the knowledge we could gain from all the one-on-one encounters providers have every day over large populations of people."

Someday, LeFevre says, all that data could inform artificial intelligence for providers to help them make good decisions about diagnoses and therapies. "A computer can't practice medicine," he says. "The relationship, the human touch is essential. But physicians should be aided in the way they manage information. By using IT to gather outcomes across populations, we could learn, for instance, that in a certain sort of patient with stroke, a particular medication doesn't work as well as another one." That would go beyond standard research methods. "We're still years away from reaching out into the deep knowledge of medicine." ■





# Mizzou:





# Wired and wireless

Mizzou helps students connect and communicate in a myriad of ways.

Story by Marcus Wilkins Photos by Nicholas Benner





**THE KIDS THESE DAYS**, with their iPods-pads-phones, books of faces, Twitter spaces, Android apps and Google Maps.

But email? Already an outdated mode of communication for Generation Y. Dial-up Internet? That annoying sound their grandparents' computer makes.

Things change so quickly that even the once **ultramodern** term "information super-highway" elicits chuckles from today's youth.

At Mizzou, the goal is not to merely keep up with the modern wired student, but to stay ahead. New technological modes of classroom lessons are arriving faster than you can say semester, while tiny cellphones and recording devices have prompted administrators to rethink longstanding policies about practices as innocuous as note taking. For some, the high tech MU Student Center has supplemented the library as the central study stop, and avenues for virtual self-expression have hit an all-time high.

"A lot of undergraduate science students and journalism students have blogs," says Jon Stemmler, associate director of the Health Communication Research Center in the School of Journalism. "Many times it will start because they have a blog for their class, and then they just like the experience, so they continue. They see that if they want to get a job in the professional world, they need to have social media skills, and it becomes almost like a clip for them."

The MU graduating class of 2012 will be the most tech-savvy in school history. As those grads make way for younger students to enroll at record-breaking numbers, Mizzou's digital amenities are an undeniable



draw for high school graduates. Mizzou knows because they "like" us on Facebook.

Here are some of the ways innovative technologies have transformed campus life at MU.

- It was a rite of passage every semester: students lugged used textbooks to campus and hauled home the ones the bookstore wouldn't buy back. Now there's a smartphone app that **scans a book's ISBN** from the comfort of a dorm room, tells how much it's going for and lets students decide whether it's worth the trip.
- Internet shopaholics know that vendor

competition is one of online shopping's biggest boons. When students look up courses on the **University Bookstore** website, it provides prices for the required books from multiple online retailers, including Barnes & Noble and Amazon. Sometimes, MU's price is the lowest, but even if it's not, students buy at the convenient campus location about 80 percent of the time.

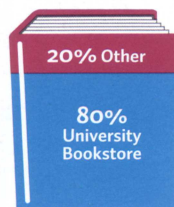
- The **Espresso Book Machine** automatically prints, binds and trims paperback books on demand. Anyone, including professors, can upload PDF pages and stand back as the automated press creates perfect-bound

## Star Tech

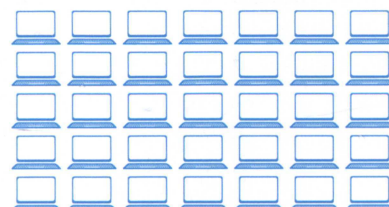
The new MU Student Center meets the technological demands of modern students.



The campus has experienced an 886 percent increase in wireless traffic since 2006.



Students buy most of their books on campus.



During the fall 2011 semester, the Student Center loaned its laptop computers 35,000 times.





Left: The Espresso Book Machine makes it easy for customers to print out professionally bound material for course texts or personal manuscripts.

Above: The MU Student Center is equipped to loan up to 100 laptops. The concept replaced the traditional computer lab in the high-tech facility.

304 electrical outlets, and many of the coffee tables include electrical ports on every side.

books for about 8 cents per page. Beginning in fall 2010, the economics department used the machine to produce its Econ 1014 text, and 2,049 students have saved more than \$180,000.

• The MU Student Center has averaged 17,000 to 19,000 visitors daily since opening in 2010. **The Trafsys infrared person-counting system** measures body heat to tally the guests in the 240,000-square-foot facility when, say, Chancellor Brady J. Deaton announced Mizzou's SEC move to an audience of 2,300 on Nov. 6, 2011.

• Instead of dedicating space to traditional computer labs, the student center's information desk stocks up to **100 laptops for check out**. During fall 2011, the program loaned those computers 35,000 times. Students who don't own a laptop, or who just prefer not to carry one around, can use the machines for two-hour blocks. The desk also offers a cellphone-charging service.

• The student center accommodates students' devices at every turn. It has

• Social media have changed how administrators advertise to Mizzou students. University Bookstore held an **"11-11-11" sales event** at which employees dropped 11,111 ping pong balls at 11:11:11 a.m. on Nov. 11, 2011, from the roof of the Student Center. It was promoted only on Facebook and Twitter, and nearly 3,000 people showed up to exchange the balls for prizes.

• **Flat-screen TVs** in the Student Center and Memorial Union have replaced some of the signs and fliers that formerly plastered the walls of the old Brady Commons. Interested parties can visit the Missouri Student Unions website and post a message to be displayed throughout several buildings.

• The "ride board" at the old Brady Commons was a car-pool map where students could leave a number and offer (or catch) a ride to nationwide destinations. Now it's available at **universityrideboard.com**, where a university email address is required to log on.

• Even when students aren't actively using

their electronic devices, smartphones in pockets, purses and backpacks are taxing the campus **Wi-Fi grid**. MU's Internet traffic went from 171 megabits per second in 2006 to **1,686** in 2011 — an 886 percent increase. "Campus Internet traffic used to drop off on Sundays," says Jacquie Cummins, marketing specialist in the Division of Information Technology. "Now it's as busy as a school day." The student center plans to upgrade its Wi-Fi capacity in 2012.

• **Tegrity** is the latest in lecture-capture technology, and it is sweeping the MU campus. The software system allows instructors to record audio, video and computer screen activity (e.g., PowerPoint presentations) and make it available on the Internet. It is an easy way for students to keep up if they miss a class. (See "Teaching with Tegrity" on Page 9.)

• MU's classroom **digital recording policies** have changed in part because of leaked video of two University of Missouri–Kansas City and UM–St. Louis professors in spring 2011. The instructors appeared on the website biggovernment.com in footage edited to give the appearance that each was endorsing violence. Students remain permitted to record lectures, but redistribution of the content is now prohibited without the professor's consent.

• **MizzouRec's** renovation in 2005 meant resplendent architectural updates, but it also brought cardio equipment with integrated USB and iPod ports, Internet-capable treadmills for uploading workouts, and a swimming pool with underwater speakers so athletes can rock out while they swim.

• Many large lecture classes employ the **i-clicker**, a hand-held remote device registered to students for use in multiple classes. The gizmo makes it easy to take attendance electronically, and professors can get student responses to impromptu polls and quizzes to assess how many understand and are paying attention. ■







# GENETIC ENTERTAINMENT

A NATIONAL ACADEMY OF SCIENCES  
MEMBER, JIM BIRCHLER IS KNOWN  
WORLDWIDE AS A GENOMICS RESEARCHER.  
BUT TO HUNDREDS OF MIZZOU STUDENTS,  
HE IS BETTER KNOWN FOR HIS  
CLASSROOM THEATRICALS.

STORY BY STEPHANIE DETILLIER

PHOTOS BY ROB HILL



# 'DR. BIRCHLER WILL NOT BE ABLE TO ATTEND TODAY'S LECTURE,'

teaching assistant Patrick Edger announces, his voice straining over the soundtrack of Gregorian chants filling Waters Auditorium. "We were able to get a guest lecturer though. He should be coming at any second."

The 250-plus unsuspecting undergraduates remain unfazed. It's Friday, this is a challenging genetics course, and they hope that a substitute teacher means they won't need to take notes. Then a man wearing a brown hooded robe with a gold wooden cross necklace, sandals and a cane descends from the back of the auditorium.

Wait. This is Jim Birchler.

Sort of.

"I was born Johann Mendel in [what is now the Czech Republic]," Birchler, err Mendel, says. "Not far away in Brno, there was a monastery. The abbot was interested in scientific investigations and in having me work on some of those problems."

While incorporating historical and geographical tidbits, Birchler, Curators Professor of Biological Sciences, outlines Mendel's biography and 19th-century contributions to genetics — all while remaining in character. This award-winning professor's courses are known for being double helixes of instruction and entertainment, but Birchler is also known worldwide for his genomic and chromosomal research. In May 2011, he was inducted into the National Academy of Sciences — an exclusive group of distinguished scholars including past members such as Albert Einstein, Orville Wright and Thomas Edison.

Back in the classroom, he has carefully

converted his entire Mendel lecture into a theatrical performance, albeit one filled with genetic concepts. He's thought about the smallest details; diagrams originally labeled "Mendel's experiments" have been revised to "My experiments." And he uses self-deprecating humor to introduce vocabulary: "A phenotype is what an organism looks like on the surface. Take Dr. Birchler for example. Dr. Birchler's phenotype is kinda chunky, bald and not too good-looking."

Taking the lesson to a personal level, Birchler shows photos of his recent trip to the Brno monastery where Mendel crossed pea plants and developed genetic laws.

"Dr. Birchler went to find my grave there," he says. "You can see on my grave it says 'Father of Genetics,' so you have me to blame for this class."

Or thank.

## FUN IS THE DOMINANT TRAIT

When an internationally known geneticist teaches an intense course, known by some as a weeding-out class for pre-professional biology majors, some fear is bound to be involved. Birchler keeps his students engaged and relatively calm by integrating unconventional teaching techniques, pop cultural references and wacky examples.

Nathan Swyers, a senior biology major from Vienna, Mo., admits that the mechanics of genetics can be complex and boring; paying attention is paramount though sometimes a struggle. But even two years after taking Birchler's course, he remembers

how the professor explained genetic bottleneck, an occurrence during which much of a population is killed or prevented from reproducing. Rather than simply describing the phenomenon, Birchler brought flies and a fly swatter to class. Then he started whacking away.

"He can take a concept filled with scientific jargon and explain it so that you can understand it, even if you're not a high-ranking member of the scientific community," says Swyers, who now works in Birchler's Tucker Hall lab.

Such demonstrations have become Birchler's trademark. On Polyploidy Parade day, he brings to class various food products derived from polyploids — crops with more than two copies of every chromosome in the nucleus. The seedless watermelon, potato chips and boxes of cereal carry more instructional weight than any PowerPoint presentation.

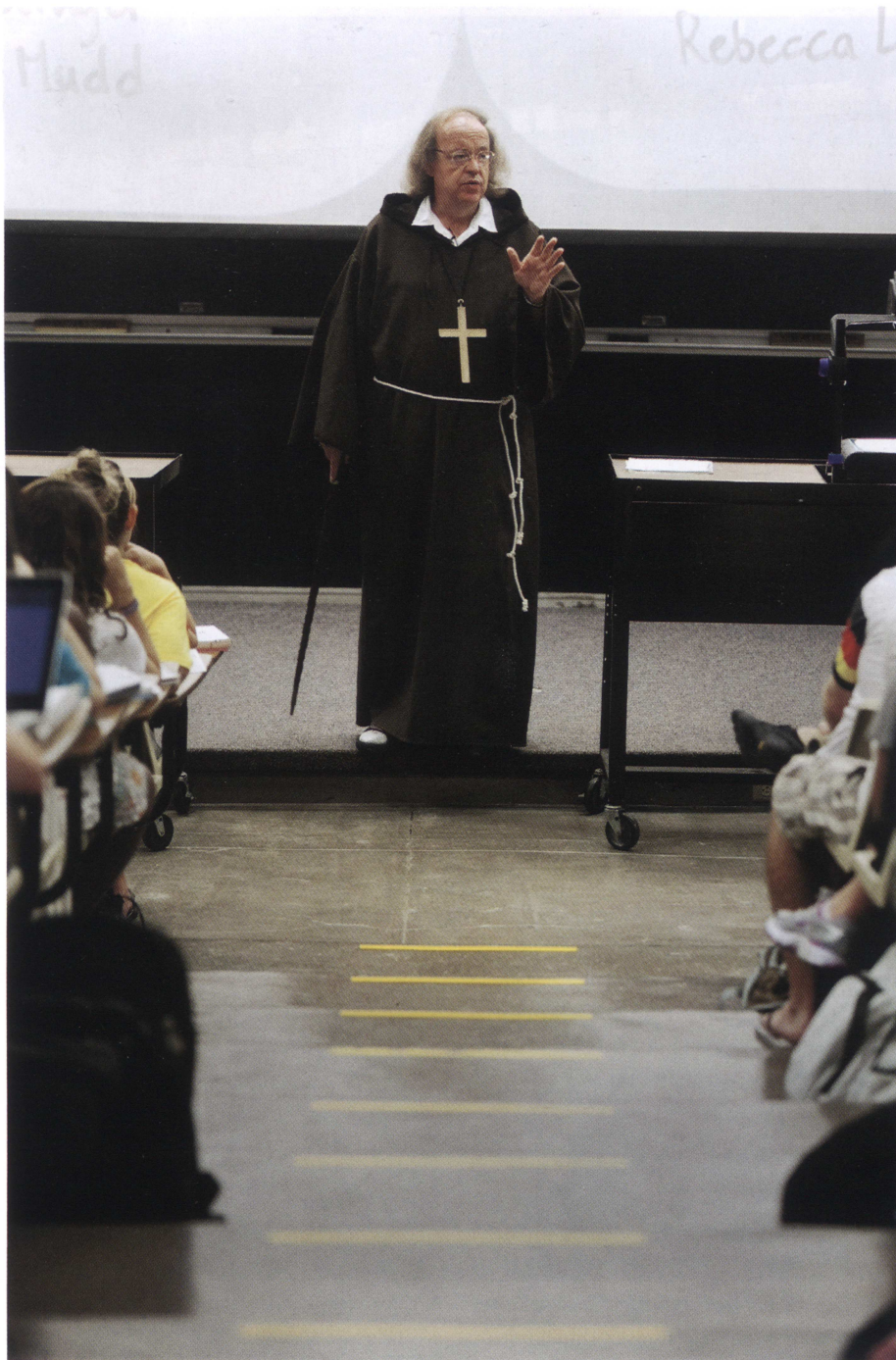
Yet Birchler, whom Northeast Normal University of China honored in 2007 with the Award of Excellence in Academic Achievements, doesn't hog all the genetics fun. In the 1990s, he discovered a song about protein biosynthesis in the *Biochemists' Song Book*. He originally planned to have his teaching assistants sing it until he learned that Tyeece Little, manager of grants and contracts for the Division of Biological Sciences, had an operatic voice.

The song, sung to the tune of "My Bonny Lies Over the Ocean," has numerous verses, and Little, BGS '89, doesn't understand a word of it. But most of Birchler's students don't know that.

After he finishes lecturing on protein biosynthesis, Birchler announces that a special guest will sum up the lesson. Little makes her way to the front of the auditorium and belts it out. "When I walk into the classroom, the kids wonder who I am," Little says. "For a brief moment, I'm a scientist."

However, Birchler's classes are more than laugh fests. Erica Wheeler, a biology doctoral student from Victoria, British Columbia,





says she's been observing how Birchler maintains a relaxed style while delivering information-packed lectures.

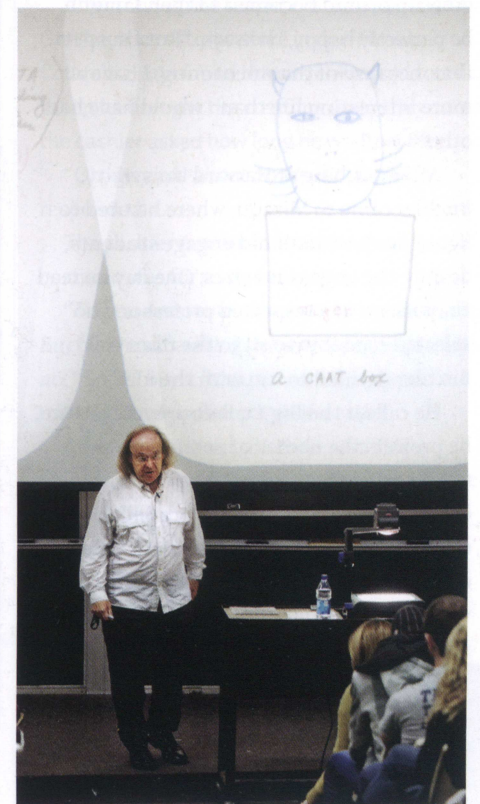
"Even though people always talk about how funny he is and his humorous plays on words, he gives very well-planned and precise lectures," says Wheeler, one of Birchler's teaching assistants. "He's really thought a lot about how to get these concepts across."

## GENETICALLY MODIFYING THE BIG 12

"Nobody goes off to college to be a genetics professor. How did we get stuck with you?"

The student who posed this question to Birchler a few years ago was right. Birchler says he didn't intend to become an academic or attend graduate school.

He grew up on a farm in Sparta, Ill., and had long been interested in insects, rocks



Jim Birchler has left the building, and Gregor Mendel takes charge of the genetics class in Waters Auditorium, top left. In another incarnation, Birchler becomes Santa Claus at a departmental Christmas party in the Bond Life Sciences Center. After showing up for lecture as himself, Birchler keeps students smiling with deadpan humor of a hand-drawn CAAT box representing a distinct pattern of nucleotides.



and trees. With a high school physics and chemistry teacher for a father, Birchler took advanced science classes in high school but applied to only one college: Eastern Illinois University in Charleston.

While majoring in botany there, he developed personal connections with each of his professors, one of whom became his mentor and pushed him to continue his studies. That experience stuck with Birchler, who earned his doctorate in genetics and biochemistry from Indiana University and then worked at Oak Ridge National Laboratory in Oak Ridge, Tenn., and the University of California, Berkeley.

"Maybe if I had gone back to the farm I grew up on and become a farmer, I might be perfectly happy," he says. "But I suspect that, because of that mentoring, I have a more interesting life than I would have had otherwise."

After teaching at Harvard University, Birchler came to Mizzou, where he tried to figure out how he could engage students, despite the large class sizes. One day he read an obituary of a respected professor who selected students to sit in the front row. Birchler decided to run with the idea.

He calls it the Big 12. Before every lecture, he projects the names of 12 students on the board; students don't know ahead of time if they've been selected, which encourages regular class attendance. Before class, Birchler introduces himself and chats with those 12 students. By the end of the semester, most students have been in the Big 12 twice.

The 12 also are given index cards. One side serves as their nametag; the other side offers them an opportunity to ask Birchler a question. He posts the questions and his answers on Blackboard, an online instructional tool. The queries mostly relate to the lecture or genetics in general. Others are jokes or questions about Birchler himself. For example:

Q: What is the point of long-term monogamous relationships that humans, whales and wolves have? A: The generally accepted explanation is that both sexes help raise the



offspring, which increases their survival rate.

Q: What can go up a chimney down but not down a chimney up? A: An umbrella.

Q: Why do you and John McCormick schedule your tests on the same mornings? You guys are killin' me! A: I realize that having organic chemistry tests on the same day as genetics leads to too many ions in the fire, but you'll learn to plan ahead.

"The Big 12 is not just for me to get to know the students, to get feedback on lectures, to be amused by some of their

**Birchler's research credentials are longer than a string of maize DNA. One source of real-world research is his greenhouse plot in the Ernie and Lottie Sears Plant Growth Facility.**

interesting questions," he says. "All of those things are entertaining, but it's also a way for students to learn something about the professor in a huge auditorium."

One of Birchler's former students, Ryan Donohue, BS '09, says halfway through the semester, the professor saw him on campus and addressed him by name.



"He knew exactly who I was, where I sat, what my grades were in his class," Donohue says. "I've never had a teacher like that."

## CLONING HIMSELF

Take one look at his hair, and you'll suspect Birchler's a scientific genius. His gray-ing, flyaway tresses and round glasses call up the likes of Einstein or Benjamin Franklin. Birchler just plays along. When a student asked when his last haircut was, he responded: "Can't remember — maybe 20 years ago."

In all seriousness, he's an accomplished researcher. So accomplished that some people think there are two Jim Birchlers, says Chris Pires, assistant professor of biological sciences.

"A fly scientist will say to him, 'Do you know there's another Dr. Birchler who studies corn?' He's brilliant but not self-promoting. That's why people don't know it's the same guy doing corn and fruit fly research."

Birchler, whose lab is at least twice the size of anyone else's in the biology department, is considered one of the world's leading maize geneticists. Fifteen of his papers have become classics; they've been cited every year since they were published, totaling more than 2,000 citations since 1980.

He's reluctant, though, to identify a favorite discovery or experiment: "If you ask a parent, 'Who is your favorite child?' what are they going to tell you? Even if they had a favorite child, would they admit it?" he asks with a grin.

His longstanding research area, however, has been gene regulatory mechanisms. He's known for advancing the gene balance hypothesis in plants with maize and in animals with *Drosophila* flies. Multiple proteins interact with one another to form macromolecular complexes. Birchler's research has shown that each protein in the complex must be produced in proportion, otherwise the gene balance is disrupted. The imbalance changes how the genes are expressed, resulting in, for example, a shorter plant.

Birchler also led the MU team that

created the first engineered minichromosomes in maize and then attached genes in targeted places on those minichromosomes. Before this method, genes were shot into chromosomes, but scientists had limited control over where they would end up. The technique could lead to the development of proteins and metabolites with medicinal benefits, third-generation biofuels and better crops that are resistant to viruses, insects, fungi, bacteria and herbicides.

But Birchler doesn't boast about his research prowess unless he's trying to recruit faculty or student researchers. When Birchler heard that his former student Tom Ream, BS '02, was applying to an out-of-state research program, for example, he convinced him to consider taking an internship in an MU lab. After that experience, Ream decided to attend graduate school at Washington University and is now a post-doctoral research associate at the University of Wisconsin-Madison.

"I wasn't going to apply to grad school at first, but Jim was very encouraging," Ream says. "He helped me understand the whole process and the opportunities I'd have after grad school versus if I didn't attend."

Pointing students in the right direction has become one of the most rewarding aspects of the job, Birchler says. "It's gratifying when a diamond in the rough has no idea what he wants to do with his life, and you give him an opportunity, and he goes on to do very well."

After being entertained in his lectures and learning about him through the Big 12, students find themselves keeping in touch with Birchler long after final grades are posted. Third-year medical student Blake Corcoran, for example, approached Birchler after taking the undergraduate genetics class, and he began working in his lab to paint maize chromosomes. Corcoran says Birchler became a solid mentor.

"He reminds me of the guy I would picture Albert Einstein hanging out with," says Corcoran. "He's intelligent enough to still be challenging to a guy like Einstein, but he's also always up for a good time." ■

## Playing the part

When Jim Birchler was a postdoc at the University of California, Berkeley, he met a professor who was known for dressing up as various biology luminaries, such as Gregor Mendel and Charles Darwin.

He decided to adopt the idea in the early 1990s, but his first challenge was finding a monk's outfit. Because it was fall, he searched the Halloween costume racks at Toys "R" Us but only found a grim reaper outfit.

"The first couple of times I did it, that's what I wore," he says. "But it was for kids, so it was just a bit form-fitting for an old man who's become built for comfort, not for speed."

After retiring the reaper costume, he tried Gotcha, the costume store in downtown Columbia, and found the current monk's outfit. When he brought the costume up to the counter, the cashier asked how long he wanted it for.

"Oh, give me about 20 years," Birchler responded.

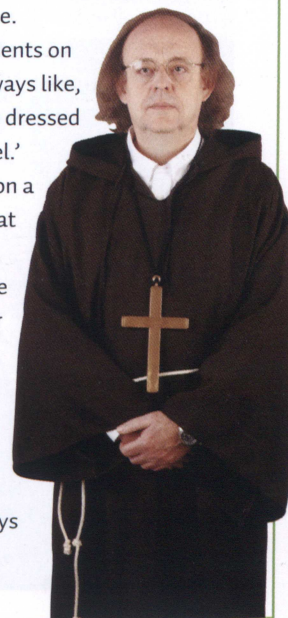
The cashier explained that the monk's costume was for rent, not sale.

"Do you ever remember renting this costume?" Birchler recalls asking the employee, who replied no. "So, if I buy it from you, you'll make more money than if you keep it on the rack."

After negotiations, Birchler paid the employee \$50 cash for the costume and swore not to tell the manager. It has become his trademark ever since.

"When I see students on campus, they're always like, 'You're the guy who dressed up as Gregor Mendel.' Although one time on a student evaluation at the end of the class, one wrote, 'I like the fact that Dr. Birchler dressed up as Charles Darwin.'"

Birchler laughs. "Well, I guess I really failed with that one. But I always thought that was amusing."





# Members of the academies

## Michael LeFevre

Michael LeFevre, a nationally known expert on health policy, was elected in October 2011 as a member in the prestigious Institute of Medicine, the health branch of the National Academies of Science. LeFevre, BS EE '75, MD '79, MS '84, chief medical information officer and professor of family and community medicine, is one of six National Academies members at MU. To learn more about his work at MU, check out the story on Page 14. Another National Academies member, Jim Birchler, is profiled on Page 22.

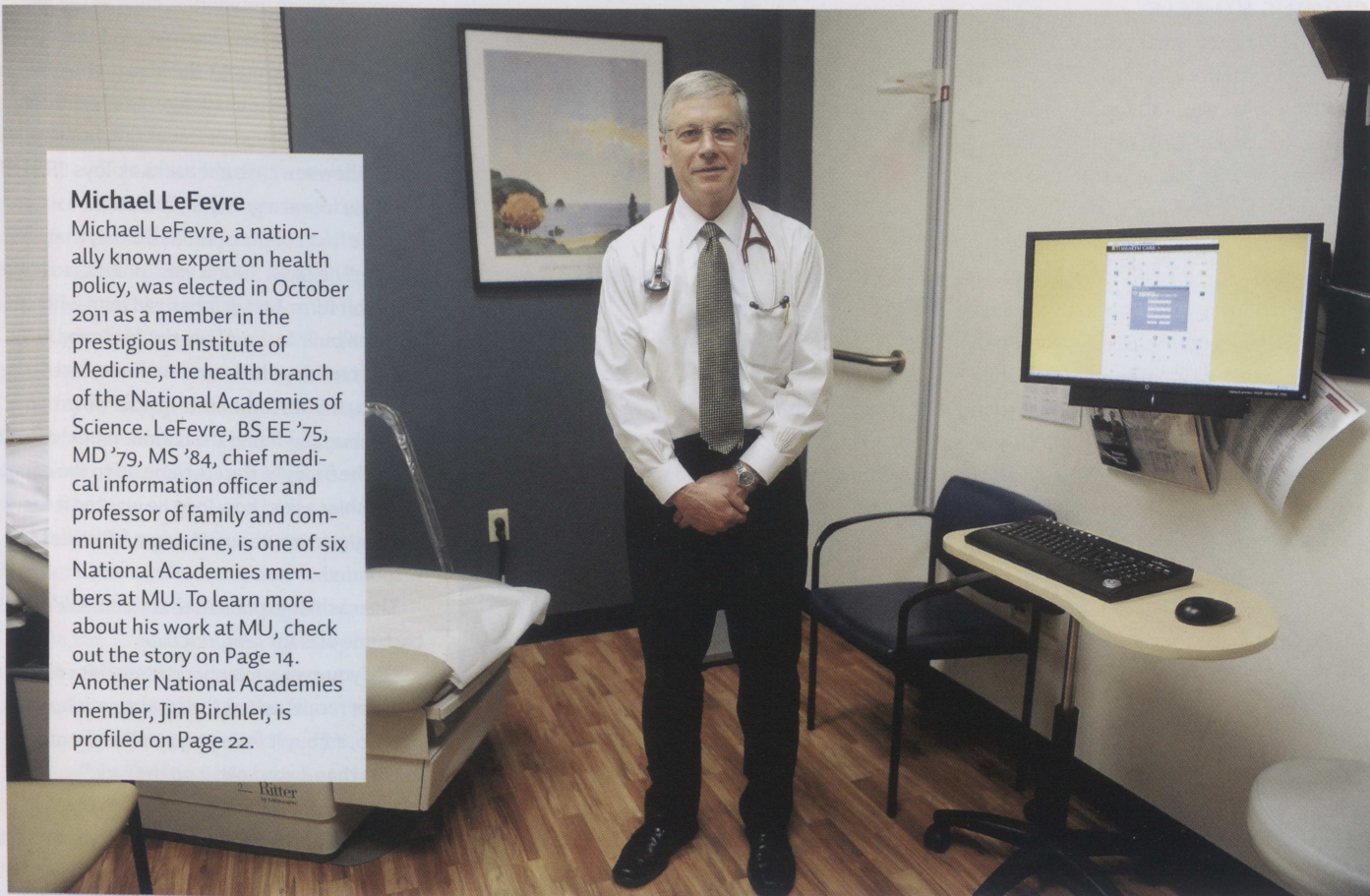


Photo by Shane Epping

## Fred Hawthorne

National Academy of Sciences member Fred Hawthorne began his career in the chemistry of boron about 50 years ago. Little information existed on the topic, but Hawthorne envisioned that boron might become the basis of products including pharmaceuticals and nanomaterials. He set himself the goal of using boron to cure common cancers in part through boron neutron capture therapy (BNCT). Results of Hawthorne's early tests were positive years ago at the University of California, Los Angeles. But he lacked access to a source of neutrons and so could not conduct clinical trials. That changed in 2006 when Hawthorne retired from a successful academic career at UCLA and moved his research laboratory to Mizzou (and Missouri, his childhood home), lured by a rare range of resources that could help him complete his life's work. Mizzou has a medical school, a veterinary college and the nation's largest academic research reactor with a neutron beam line dedicated to BNCT.

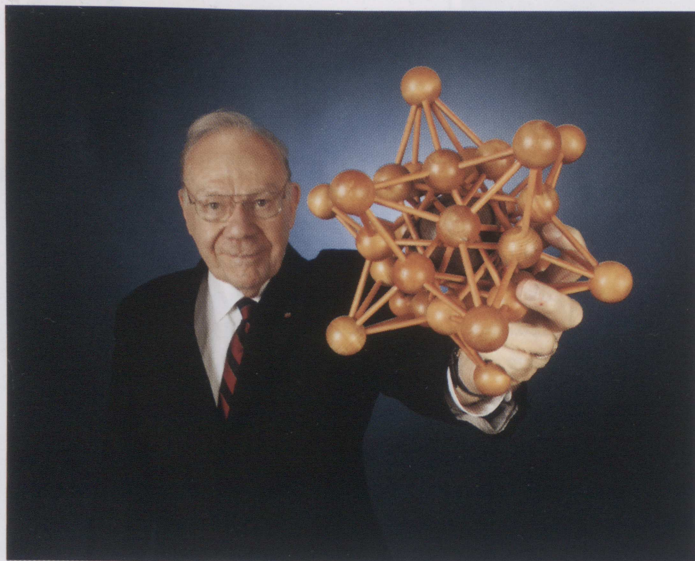


Photo by Shane Epping



## Several MU faculty serve the National Academies of Science, an exclusive group of scientists who advise policymakers.

### R. Michael Roberts

A Curators Professor of Animal Sciences and a National Academy of Sciences member, Roberts is best known for his work on biochemical communication between embryo and mother in cattle and other livestock species. He is particularly interested in how the production of embryonic proteins leads to maintenance of pregnancy. Roberts and his colleagues have also developed a dependable and sensitive pregnancy test, which is now commercialized for use in the dairy industry. It's based on a second embryonic protein that enters the mother's bloodstream as the placenta first forms. Roberts' current research uses stem cells to create functioning placental cell types of both livestock species and humans. In the human work, he focuses on the common disease of pregnancy known as preeclampsia, which includes a limited invasion of the placenta into the wall of the mother's womb.



Photo by Rob Hill

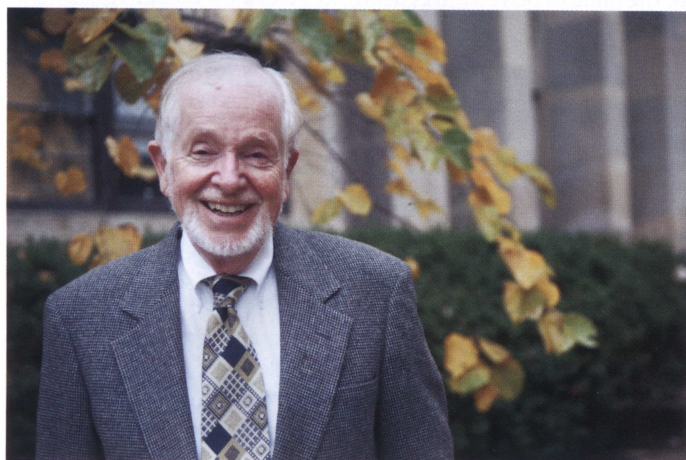


Photo by Shane Epping

### Jack Colwill

In 1972, when Professor Emeritus Jack Colwill launched MU's Department of Family and Community Medicine, it was a new specialty he hoped would help alleviate the shortage of primary care physicians. Throughout his career, the Institute of Medicine member has sought solutions to physician-workforce issues. The shortage is especially great in rural areas. He is widely known for his decades-long efforts to expand the health care workforce. Colwill realized that in order for family medicine to make its mark, departments such as his had to train physicians not only as clinicians but also as teachers and researchers. He built a department that is nationally known for performing all three tasks at a high level. Along the way, he recruited IOM member Gerald Perkoff, who died Dec. 25, 2011.



Photo by Rob Hill

### Linda Randall

National Academy of Sciences member and biochemistry professor Linda Randall studies how cells know the destination of their thousands of proteins and how those proteins are put in their proper places. She isolates the "machinery" from the bacterium *Escherichia coli*, taking it apart and putting it back together to learn what each part does. The process involves special channels through membrane barriers, motor components that provide energy to move the proteins and "chaperones" to guide them. The knowledge gained from bacteria can be applied to all cells, including those in humans. Randall and her research group once performed an interpretive dance to illustrate this process. The performance featured black leotards, theatrical lighting and "molecular music" generated on a synthesizer.



# HOW THE BRAIN ADAPTS

A new faculty member uses brain imaging to understand the hand. Story by Greta Lieske

**E**VERY DAY we perform functions with our hands without giving it a second thought — typing, punching elevator buttons, waving hello to friends or

eating. Mizzou newcomer Scott Frey not only thinks about those seemingly simple acts, but also studies them. Frey joined MU in fall 2011 as the first University of Missouri Miller Family Endowed Chair in Cognitive Neuroscience. He came from the University of Oregon to direct the MU Brain Imaging Center, teach and perform research. The center houses an advanced magnetic resonance imaging (MRI) system devoted exclusively to research.

Frey also will teach as a professor in psychological sciences and serve as an adjunct professor of neurology, psychiatry and physical medicine. He brought along several studies and his research team from Oregon. Together they investigate brain mechanisms

involved in using the hands to better understand the potential of the mature brain to compensate for injuries to the brain or body.

He looks at basic mechanisms that allow our brains to refine manual skills, including reaching, grasping, manipulating objects, making gestures and using tools.

“Our hands can create and use tools and technologies, and these abilities have allowed us to re-engineer our environments,” Frey says. “We do a host of remarkable things from microsurgery to playing instruments. The desire to understand behaviors that define who we are as a species is a driving force of our work.”

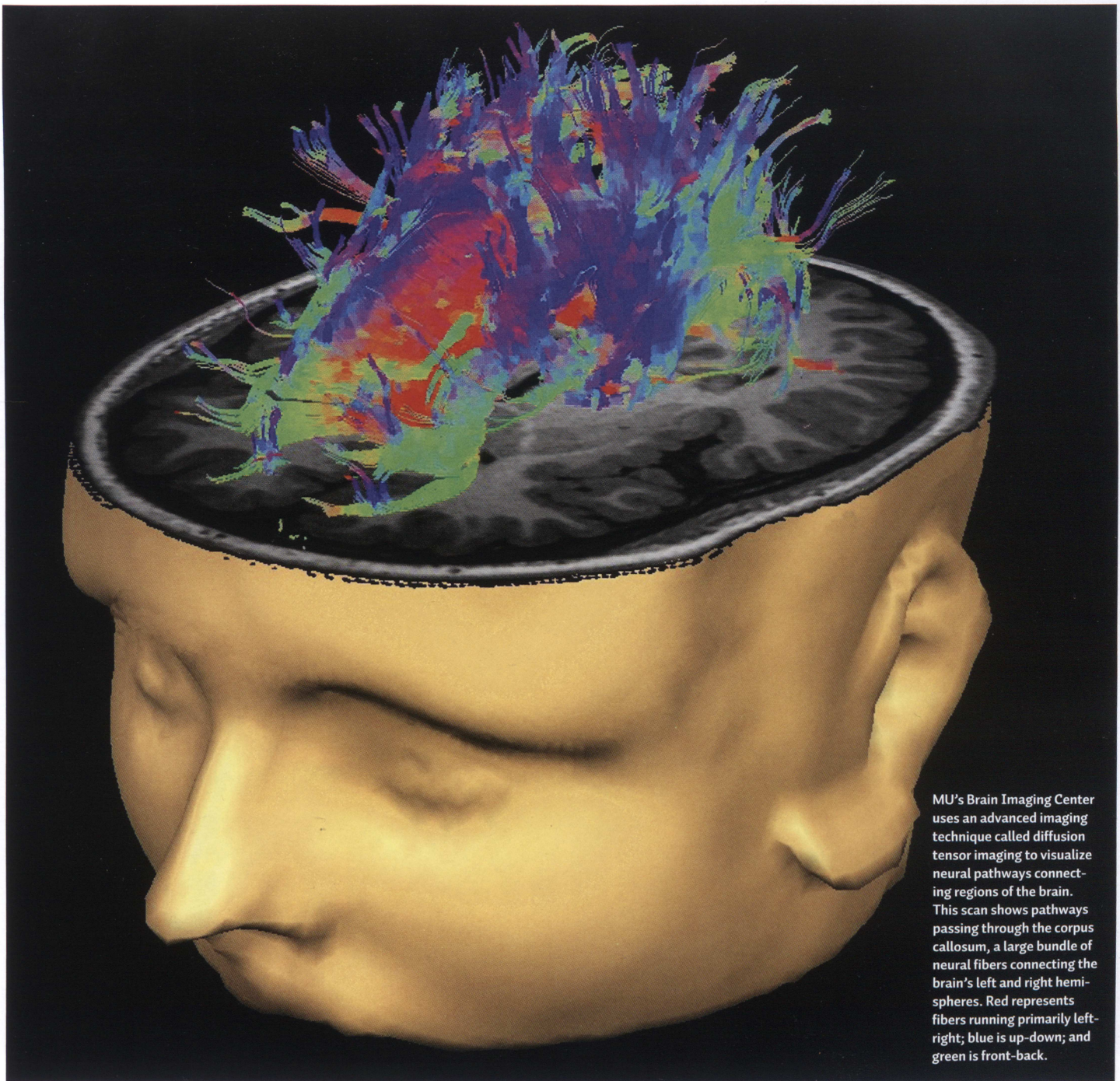
The flip side of the work is the goal of applying his team’s basic research to the problem of improving rehabilitation for people who have difficulties resulting from neurological diseases or injuries. For instance, the team works not only with stroke victims but also with amputees, including some who have received hand transplants. “We’ve been one of the few groups in the world to have studied how the brain learns to control and feel sensations with a transplanted hand,” he says. Frey studied one patient who lost his right hand in an industrial accident 35 years before receiving a transplanted

hand. He discovered that, as early as four months after the transplant, the patient was using the area of his brain that had controlled his native hand to process incoming sensory signals from the transplanted hand. “These results suggest that changes occurring in the brain after an amputation have the potential to be reversed, even many years later and in a fully mature brain,” Frey says. His work with these rare patients will continue at MU.

For Frey, this is an exciting time in the history of neuroscience because technology — including the center’s MRI machine — allows scientists to peer into the brain. “We can see the structure of the brain and how it changes with development, aging and disease. We can look at brain function and study how it reorganizes in response to things like training or various rehabilitative interventions. Or we can use this tool to look at brain chemistry. It still amazes me that we can do all of this non-invasively. Prior to the availability of such imaging techniques, we were restricted to studies of animal models or post-mortem investigations of the human brain.”

Through the center’s educational mission, Frey wants to introduce students to his field’s





MU's Brain Imaging Center uses an advanced imaging technique called diffusion tensor imaging to visualize neural pathways connecting regions of the brain. This scan shows pathways passing through the corpus callosum, a large bundle of neural fibers connecting the brain's left and right hemispheres. Red represents fibers running primarily left-right; blue is up-down; and green is front-back.

Scan courtesy of Shawn Christ, assistant professor of psychological sciences

techniques and expose the next generation to the challenges and rewards of cognitive neuroscience. The world-class imaging center offers MU researchers and other institutions the facility, infrastructure and resources for conducting studies using MRI technology.

The center is not used for diagnostic scanning, as a hospital might do. "It's all research, all the time," Frey says. The facility is part of the Department of Psychological

Sciences but is widely used by researchers from medicine, veterinary medicine, exercise science and nutrition.

Frey says MU's reputation as a comprehensive research university drew him to campus, but the depth and collaborative nature of the campus research community has exceeded his expectations. "Given my research interests, there is an enormous advantage to being on a campus that has

not only arts and sciences and psychological sciences, but also collaborators in engineering and the medical school. I don't get any sense of this being an internally competitive environment where people are protective of ideas and resources. Instead it's the opposite. People are forthcoming and work together to achieve greatness. That's going to make for some exciting collaborative potential that I couldn't have imagined." ■





# Eyes of the storm

Computer science instructor and independent filmmaker Chip Gubera returns to his hometown to document the Joplin, Mo., residents who survived the May 22, 2011, tornado.

**A**S AN INDEPENDENT filmmaker, visual effects artist and resident instructor in the College of Engineering's computer science department, Chip Gubera is well versed in the digital world. In his first feature-length documentary film, he uses new technologies to spin a tale around one of humanity's oldest questions: Can you ever really go home again?

On May 22, 2011, Gubera was in his living room in Columbia, pedaling away on an exercise bike while he flipped through channels on the TV. More than 200 miles away, one of the deadliest tornados in American history was raging through his hometown of Joplin, Mo.

After news of the devastation broke, Gubera, BA '00, M Ed '11, spent hours dialing and redialing the numbers of friends and relatives, hoping to hear the voices of loved ones. He was greeted instead by the same

automated message, the same nameless stranger announcing — again and again — that all lines and signals were down.

It was three hours later before he received word. His mother barely had time to tell him that she and the rest of his family were OK before the call was dropped. Early the next morning, Gubera loaded his car and headed home to Joplin.

It was a place Gubera had long ago left behind, physically and emotionally.





Story by Tara Ballenger  
Photo by Chip Gubera

"I have this love-hate relationship with my hometown, and every time I go home, the old feelings come back," he says.

After high school, he got his bachelor's and master's degrees at Mizzou and went on to become a filmmaker and multimedia producer. In part, he says, he was seeking distance from the characteristics he'd ascribed to Joplin — tough, stubborn, proud. But as he surveyed the devastation, the community's response gave him

another perspective.

"I watched people digging themselves out of their homes, and I realized maybe this attitude is worth something," says Gubera. "It was very inspiring."

So, he started filming. At first, he did it to work through the emotions of his own homecoming, but it became cathartic for the survivors he interviewed.

"I just set up a camera and let people talk: What happens when you step outside and

everything is gone?"

After weeks of interviews with survivors, city officials and emergency responders, Gubera realized that they were rebuilding the hometown of all Joplin natives, near and far. And like him, all were searching for — longing for — the familiar.

The film evolved into a narrative of the people of Joplin as they simply, stubbornly, proudly began to pick up the pieces.

Although natural disasters and the havoc



they wreak are as old as time, new technology helped Gubera humanize the experience.

"If I didn't have the technology, I wouldn't have been able to make this film today," Gubera says.

He recorded most of the video with a small digital camera that made traveling and setup easy. He used the same digital editing methods that he teaches students in his computer science courses at MU to condense hours of footage into one cohesive story.

But it was others' technology that contributed most to the film, he says. Twitter feeds out of Joplin provided a real-time record of the storm. The police scanner audio became a sort of official narration as it streamed live on the Internet. And the proliferation of consumer technology — especially cellphones capable of taking pictures and recording video — transformed thousands of residents into ad hoc documentarians.

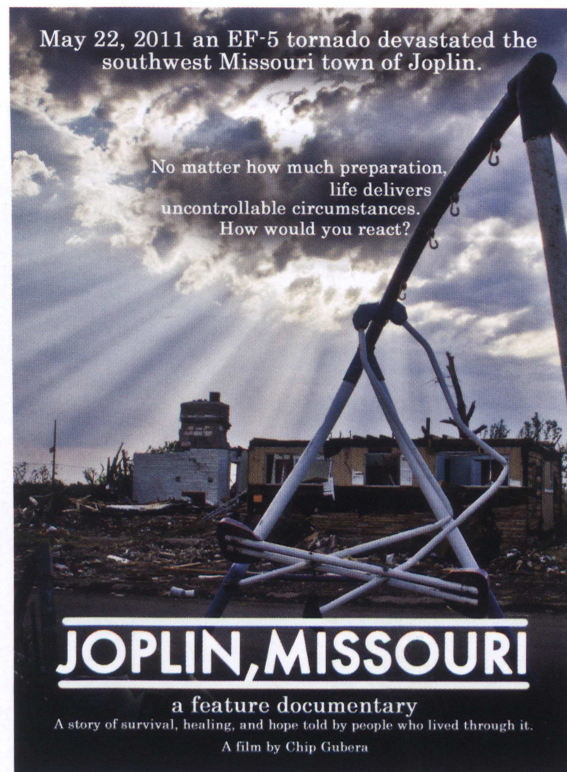
In one of the film's most haunting scenes,

Gubera layers the audio of the police scanner over video of the devastation that a survivor recorded just minutes after the storm.

"The person taking the video was in shock and he wasn't speaking clearly," Gubera says. "On the scanner, you could hear the disaster — people trapped in their homes, some even trapped in a grocery store freezer. It told parts of the story that he couldn't." ■■

MORE JOPLIN PHOTOS | MIZZOUMAGAZINE.COM

The movie poster for MU instructor and alumnus Chip Gubera's documentary film features this photo of the devastation after the May 22, 2011, tornado. View the trailer at [youtu.be/8vWevllw-1Q](http://youtu.be/8vWevllw-1Q).



## Find more managing innovation stories at [mizzoumagazine.com](http://mizzoumagazine.com)

Sometimes innovation requires good old-fashioned legwork. A **new theater course** teaches social understanding by asking students to interview community members and create a performance piece in which they portray their subjects.

More data doesn't necessarily lead to more understanding. Researchers across campus are using **complexity modeling** to transform reams of information into real understanding.

Tomorrow's workers need to be fluent in handling information and stories digitally. A new degree in **digital storytelling** is in the works that would train students in the art of narration while providing hands-on experience with the technologies of digital production.

In the old model, engineers and designers thought of **buildings** as jigsaw puzzles to be pieced together from windows, walls, floors and wiring. The new idea is to

think of structures as living organisms that are green, efficient, comfortable and durable.

Hospitals are among the institutions using **Facebook** to communicate with the public. A study analyzed what hospitals post for consumption by an online community of patients.

The powerful tornado that struck Joplin, Mo., in May 2011, took its toll on survivors' mental health.

Using **telehealth technology**, Mizzou psychiatrists conducted virtual visits with patients and helped rebuild the town's emotional well-being without leaving their posts in Columbia.

In *The Secret Garden*, author Francis Hodgson Burnett shows readers a garden through the eyes of a child. Five undergraduate **biology and English** students set out to analyze the novel through both literary and scientific lenses.





Columbia artist David Spear beautified the intersection of Ninth and Broadway for the Traffic Box Art project funded by Columbia's office of cultural affairs, convention and visitors bureau, The District and the police department.

# Home Sweet CoMo

**COLUMBIA'S QUALITIES** would make it quite a catch on any matchmaking website: smart, charming, athletic, artistic, hardworking, musically inclined and a fantastic cook. Who wouldn't fall madly in love?

Alumni who make regular trips back to their academic stomping ground know that College Town USA's annual evolution can be astounding. New restaurants and shops crop up each season, and the community is blossoming around every corner. In 2012, Roots N Blues N BBQ turns 6, True/False Film Fest turns 9, Shakespeare's plans to open a third location, and the city will welcome new guests as Mizzou begins life in the Southeastern Conference.

Known for its hospitality, Columbia has plenty to offer. For those who already call it home, CoMo is where the heart is. Stories by Dale Smith and Marcus Wilkins • Photos by Nicholas Benner and Rob Hill





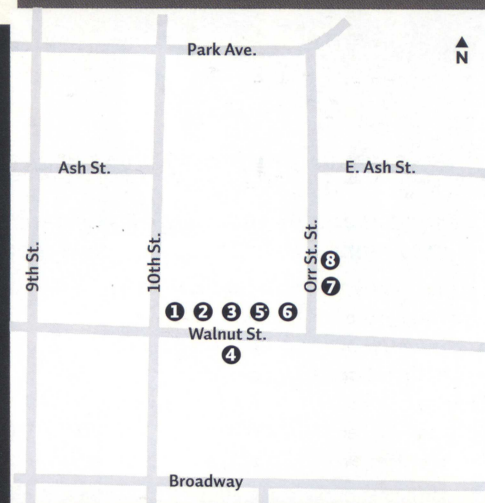
# Arts scene thrives

**IN RECENT MEMORY**, the downtown Columbia blocks north and east of Ernie's Café and Steak House at 1005 E. Walnut St. offered, well, "not so much," says Jennifer Perlow, BA '94. But during the past five years, the old warehouses and other structures have blossomed into a haven for the arts. The North Village Arts District now includes painters, sculptors, dance companies, filmmakers, live music and even a grocery store.

The shift started with Orr Street Studios, a renovated warehouse that opened in 2007 at 106 Orr St. with 16 studios where artists work and sell their wares. At its opening, Karsten Ewald of the Columbia Art League told the *Columbia Daily Tribune* that, "I really feel Columbia is on the cusp of becoming a major art stop in the Midwest ..."

Now a hundred or so artists show work, and special events welcome throngs of art lovers. For instance, the Farmers and Artisans Market runs from May to November. "We've got produce, artists selling goods from paintings to hats to necklaces to alpaca rugs," Perlow says. "And there are pumpkin carving contests, a demonstration on how to build a chicken coop — even Tai Chi flash mobs. The North Village is not just a place to go but a thing to do. The fact that it exists really speaks to growth in the arts community in Columbia."

Dancers practice at the Missouri Contemporary Ballet, 110 Orr St.



- |  |                                |
|--|--------------------------------|
| 1 Ernie's                                  | 5 PS:Gallery                   |
| 2 Rock Bottom Comics                       | 6 Studio Home                  |
| 3 Artlandish Gallery                       | 7 Orr Street Studios           |
| 4 Columbia Academy of Music and The Bridge | 8 Missouri Contemporary Ballet |



## Art Venues

**PS:Gallery** (fine art),  
1025 E. Walnut St.

**Orr Street Studios**  
(fine art), 106 Orr St.

**Artlandish Gallery** ▶  
(gifts, fine crafts)  
Check out the catacombs  
downstairs for more  
offerings.  
1019 E. Walnut St.

**Columbia Academy of  
Music and The Bridge**  
(lessons and live music),  
1020 E. Walnut St.

**Missouri Contemporary  
Ballet** (performance,  
instruction), 110 Orr St.

**Rock Bottom Comics**  
(comics, graphic novels),  
1013 E. Walnut St., Suite 101



Missourians Michele Stichler of Alden and John Merrifield of Greenville shop at Artlandish Gallery.

## A party for every season

Columbians are a fun-loving crowd that enjoys art, entertainment and festivals year-round. Come on down:

- Mizzou recently upped its contribution to local culture by leasing the **Missouri Theatre** at 203 S. 9th St. to host University Concert Series events and more.
- The **Roots N Blues N BBQ** festival has included the likes of Taj Mahal and Tab Benoit (Sept 21–22, 2012, rootsnbluesnbbq.com).
- The **True/False Film Fest** continues to garner acclaim for its annual display of documentaries from all over the world (March 1–4, 2012, truefalse.org).
- The **Citizen Jane Film Festival** highlights films made by women (October 2012, citizenjanefilm.org)
- **Art in the Park** features dozens of crafts vendors, music and more (June 2–3, 2012, artintheparkcolumbia.org).
- The **“We Always Swing” Jazz Series** brings great musicians to town year-round (wealwaysswing.org).
- **Artrageous Fridays** revelers “crawl” to downtown arts venues (2012 dates: April 20, July 20, Oct. 12–13, artrageousfridays.com).



Jazz singer Rene Miller performs at Murry's, 3107 Green Meadows Way.

Photo courtesy of Joel E. Anderson





# Chew chew train

ONE OF COMO'S BEST features is its gastronomic variety. Take a springtime stroll downtown and inhale an aromatic array ranging from Far East to Deep South to backyard burgers.

But if you are looking for a literal culinary journey, try the **Columbia Star Dinner Train**, which boards at 6501 N. Brown Station Road. Whether it's the elegant atmosphere, multicourse gourmet meal or a nostalgic notion of railroad dining, the experience induces a celebratory mood from the moment you are seated.

Offering dinner on Fridays and Saturdays, and brunch on Sundays, the 1950's streamlined passenger train takes a two-and-a-half hour route through the countryside of north

Boone County to Centralia and back. Live music, signature cocktails and friendly service complete the effect.

Many of Columbia's favorite brick-and-mortar restaurants have also moved, as in relocated. They'll likely stay put for a while. Several are listed on the opposite page.

All aboard!



Shrimp cocktail appetizers whet the appetites of diners on their three-hour trip through northern Boone County.



### International Café

26 S. Ninth St.

Owner Mohamed Gumati was born in Libya, but he taught himself to cook in St. Louis before opening the restaurant's original CoMo home on Hitt Street 20 years ago. Now he has moved his mainstay gyros and tabouleh to a more prominent downtown location.

### Red Mango

1009 E. Broadway

This popular parlor boasts 100 percent natural ingredients and probiotic live and active cultures in its frozen yogurts and iced teas. The soft-serve frozen yogurt is sold by weight, and the toppings bar features fresh fruit and unexpected crunchy items such as Fruity Pebbles and organic granola.

### Bambino's

10th and Broadway

Formerly tucked away at Hitt and Locust, the new location has transformed this affordable Italian favorite into a highly visible, bright and inviting café. The menu features the heartily portioned Pasta Al Poppa, with marinara, cream sauce, sausage and mushrooms, and the popular chicken-and-

artichoke sub. "The Bam" delivers, too.

### Shakespeare's Pizza

3304 Broadway Business Park Court

In many ways, CoMo's original world-famous pizza joint represents a bridge connecting city to university at Ninth and Elm streets. The above location in western Columbia opened in 2002, and a third site out south at 3911 Peachtree Drive — 14,000 square feet with party rooms and a frozen pizza production area — could open as soon as spring 2012.

### CC's City Broiler

1401 Forum Blvd.

Previously located in downtown Columbia, this grand grill made its name slingin' generously sized, perfectly cooked slabs of beef before heading west in 2007. The restaurant still warrants consideration for the best steaks in town — snag a bone-in ribeye if you're lucky — and the dark, romantic setting and professional service have gotten even better.

### Arris' Pizza

1020 E. Green Meadows, Suite 102

Jefferson City Mizzou alumni grew up with the family-style pizza palace across the street



### Casablanca Mediterranean Grill 501 Elm St.

Formerly a favorite on the south side of town, the handsome new location northwest of campus offers flavors from Greece, Morocco and Libya. Dinner plates feature homemade falafel, lamb and chicken kabobs. For sides, Casablanca offers a variety of authentic Mediterranean soups and salads.

from the Missouri State Capitol. The Columbia location opened in 2007, offering a lunch buffet, baked pasta dishes and its signature Greek salad.

### Glenn's Café

501 High St., Boonville, Mo.

For those who remember the restaurant's previous locations on Ninth Street or Business Loop 70, its new home in the riverside Frederick Hotel in historic downtown Boonville, Mo., might be an aesthetically pleasing upgrade. Where else in mid-Missouri can you get zesty shrimp creole, corn bread, gumbo and bread pudding with whiskey sauce or a good Angus steak and pork chops?

### 44 Stone Public House

3910 Peachtree Drive

Columbia's newest gastropub features English, Irish and Scottish fare, "but with contemporary American insight," according to its website. Interesting menu items such as

rarebit (Welsh rabbit) and flash-fried chicken livers coexist with an extensive beer list including everything from ale and barley wine to mead and stout.

### Red and Moe

21 N. Ninth St.

Restaurateur Tom Rippetto started as a 13-year-old dishwasher at The Pizza House, once located two doors down from his current pizzeria. Pizza House owners Paul "Red" Castle and Roland "Moe" Beland mentored Rippetto in life, and now Red and Moe's seasonal menus feature artisan pizzas, unique salads and homemade desserts, all made with local ingredients when available.

### Tony's Pizza Palace

17 N. Fifth St.

Not everyone knows about this casual family favorite, though it has been in Columbia for 50-plus years. Bring the gang and fill up on hot subs, salads, spanakopita, pizza and gyros.



### The Pasta Factory

3103 W. Broadway, Suite 109

Jason and Jennifer Johnson Dubinski, BA '88, met as employees before getting married and purchasing the restaurant in 2001. The restaurant relocated in April 2011 from its downtown location, but it maintains the classic comfort of the old digs; the stained glass, retro wall ads, antique ceiling fans and affordable menu endure.



**Broadway Brewery***816 E. Broadway*

Only two-and-a-half years old, this hip brewpub nestled downstairs on the south side of CoMo's main drag is already a mainstay for foodies and beer connoisseurs alike. The menu highlights local farms and seasonal items that pair perfectly with the handcrafted beer on tap. Try the butternut bacon pizza made with house bacon lardons, caramelized onions and Milton Creamery cheddar on a butternut squash puree. The **Pizza Margherita**, shown at right, with fresh mozzarella and basil, is served year round.

**Getting to, from and around Columbia**

**TEN-TON TIGERS PROWL** the streets of Columbia. In fall 2011, the first two city buses with black-and-gold paint jobs started replacing the red-and-blue fleet that reminded some locals of Kansas colors.

On the new buses, tiger eyes peer from above the headlights; black, gold and white paint adorns the sides; and a curly tiger tail wags over the back bumper.

Mike Alden, athletic director, says when he arrived at MU in 1998, he spoke with campus and city government employees about the bus color issue; none had an explanation.

Then, as Columbia was gearing up for Homecoming 2010, Alden read a *Columbia Daily Tribune* article during his morning workout. The

Federal Transit Administration had earmarked \$2 million to replace six of Columbia's aging buses. Alden contacted then-City Manager Bill Watkins, BS PA '74, MS '76, to revive the color conversation. Several campus staffers compiled ideas, and Brendon Steenbergen, BA '99, creative director of BigFish Creative in Columbia, developed the design.

In response to detractors who said the black-and-gold motif makes Columbia look like a company town, Mayor Bob McDavid, MD '72, says Mizzou is Columbia's signature. "We are a college town. There is a college with 30,000 students that really defines our city."

**Mayor Bob McDavid likes black-and-gold buses.**

**Internoshional**

If you like crossing borders, check out Columbia's menu of specialty food stores:

**Root Cellar** (Missouri foods)

*1023 E. Walnut St.*

**Chong's Oriental Market** | *701 Locust St.*

**Hong Kong Market**

*3510 Interstate 70 Drive S.E.*

**Campus Eastern Foods** | *408 Locust St.*

**Natasha's Euro Market** (eastern European) | *705 Vandiver Drive*

**Olive Café** (Mediterranean, Asian)  
*21 N. Providence Road*

**World Harvest** (international)  
*3700 Monterey Drive*

**Los Cuates Latin Store** | *2908 Paris Road*

**Kea's International Market**  
(includes Cambodian, Vietnamese)  
*705 Vandiver Drive*

**Ticket to ride**

Fewer than 20 minutes from campus, **Columbia Regional Airport** schedules three Delta Air Lines flights daily (two on Saturdays) to Memphis International Airport, which connects to cities across the nation and around the world.



Need a ride to the St. Louis or Kansas City airports? **MO-X** makes 12 round trips daily to St. Louis and five to Kansas City. Door-to-door service is available.



Columbia is a **Megabus.com** stop. For as little as \$1 each way, ride single- or double-deck buses traveling express routes between Columbia, Chicago, St. Louis and Kansas City. Buses feature Wi-Fi and electrical outlets at each seat.





# Fantastic Festivals Clever Cuisine Amazing Art



Columbia is home to unique festivals throughout the year. Art in the Park kicks off the summer, Roots 'N Blues and the Heritage Festival fill up the fall and the True/False Film Festival spices up the winter.



Home to more than 200 restaurants, many of which use fresh local ingredients to create a distinctive Columbia flavor, Columbia is a food lover's paradise!



Be it painted or performed, art plays a great role in what makes Columbia stand out.

**COLUMBIA**  
Convention & Visitors Bureau

## **Columbia Convention and Visitors Bureau**

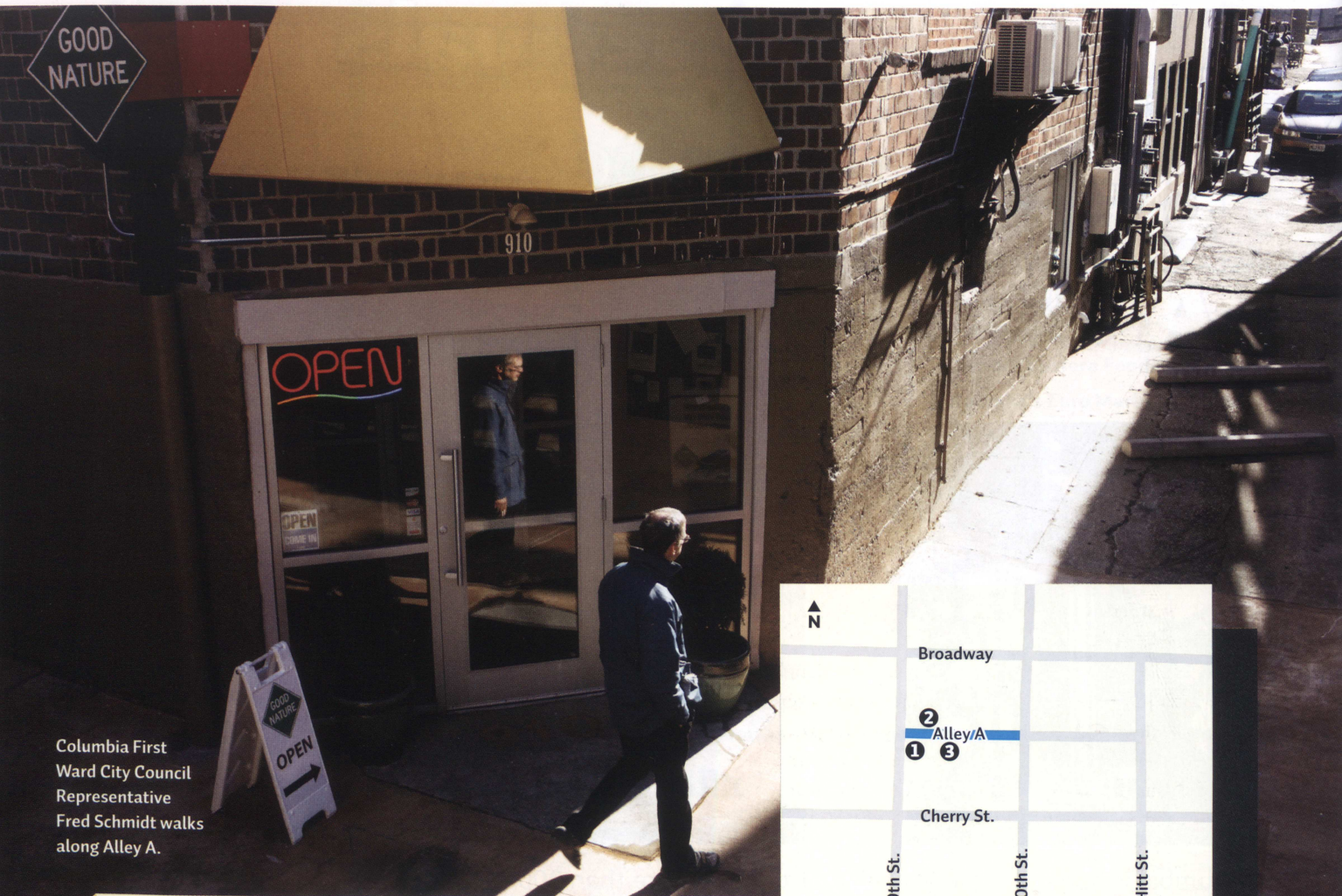
300 South Providence | Columbia, MO 65203  
573-875-1231 | 800-652-0987

Like us on Facebook Columbia Missouri CVB  
Follow us on Twitter @ColumbiaMOCVB

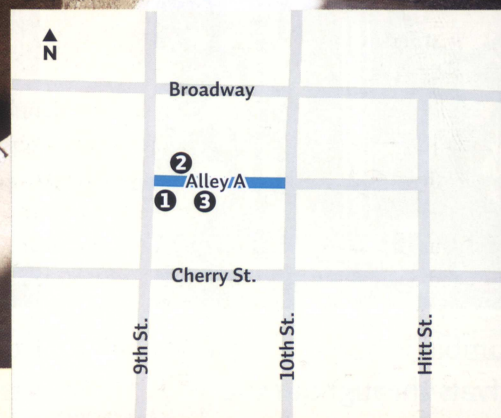
[VisitColumbiaMO.com](http://VisitColumbiaMO.com)

**MISSOURI**  
For more information  
[VisitMO.com](http://VisitMO.com)





Columbia First Ward City Council Representative Fred Schmidt walks along Alley A.



1 Jock's Nitch 2 Kampai 3 Good Nature

## Alley allure

**BACK IN 2007**, John Ott, BJ '83, owner of several properties in downtown Columbia, was unhappy with the inefficient use of space in a strip of buildings on the south side of Broadway from Ninth to 10th streets.

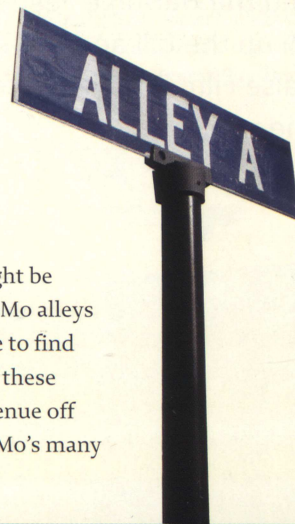
"Those buildings are 142 feet deep, and in many cases, the back sections weren't being used," Ott says. "Also, a lot of people would walk down that alley just because it's in the center of downtown."

So Ott and his construction team added apartments above the restoration shop, **Grace** (918 E. Broadway), and built the storefront of **Kampai**, an urban-style sushi restaurant — all accessible from the parallel rear alleyway. Soon, other developers added more apartments and a "new age general store," **Good Nature**.

The name "Alley A" is courtesy of former Mayor Darwin Hindman, BA '55, JD '61. When Ott sought a permit to begin

construction, the process stalled because the city hadn't yet named the stretch of pavement. At a city council meeting, the expedient mayor dubbed it "Alley A" and moved on.

Ott thinks other investors might be interested in developing more CoMo alleys in the future. "It just makes sense to find a way to make use of the backs of these buildings." Alley A, the quirky avenue off the beaten path, is just one of CoMo's many shopping opportunities.





# Columbia spree

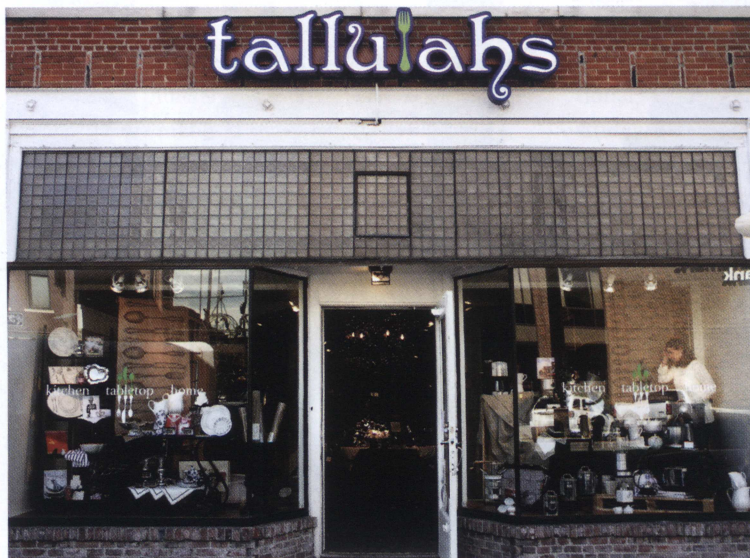
**Jock's Nitch** | 16 S. Ninth St.  
**Alumni Hall** | 215 N. Stadium Blvd.,  
 Suite 101

There was no shortage of places to purchase Mizzou gear in this town, and Columbia welcomed two more spirit-gear retailers in 2011. Jock's Nitch, which is accessible from Alley A on game days (see opposite), can suit up fans from head to toe in black and gold. Alumni Hall — with 16 locations primarily in SEC country — sells everything from Mizzou gnomes to bibs for babies.

**Get Lost Bookshop** | 8 S. Ninth St.  
**Nancy's Trade-a-Book**  
 21 Conley Road

**Village Books** | 1808 Paris Road  
**Acorn Books** | (inside The Marketplace)  
 1100 Business Loop 70 West

If you're searching in vain for a particular used book within Columbia's city limits, it's probably your own fault. Get Lost Bookshop downtown is conveniently located near several coffee shops for cheap lexical thrills. Nancy's Trade-a-Book is well stocked with genre fiction. Village Books recently more than doubled its floor space when it



moved three doors down, and its expanded inventory includes a variety of magazines. Acorn Books, formerly on Ninth Street, now makes its home in a hefty section of The Marketplace antique mall.

**Tallulah's** | 812 E. Broadway ▲  
**Studio Home** | 1029 E. Walnut St.

Since college towns foster all things eclectic and artistic, it stands to reason that Columbia's home décor and accessory stores offer interesting, useful and gorgeous items for local

abodes. Studio Home, which moved down the street from its former location in July 2011, feels more like a gallery than an interior design showroom. Owners Aaron Dolan, BS HES '97, and Jon Trigg, BFA '98, MFA '03, display an imaginative blend of vintage and modern furniture. Tallulah's opened in April 2011, and co-owners Mary Stauffer and Melissa Alabach, BS HES '90, have an impeccable style-sense that shows throughout every square foot of the kitchen, tabletop and home store.

## ALLEY A ACQUISITIONS



### JOCK'S NITCH

- Mizzou sock monkey
- black and gold bone-shaped squeak toy for Fido

### GOOD NATURE

- Quartz healing crystal
- alpaca fiber scarf

### KAMPAI SUSHI

- Octopus salad
- caterpillar roll

### GRACE: A PLACE OF RESTORATION

- Six-foot goddess statue
- antique door headboard

## Rock Bottom Comics

1013 E. Walnut St., Suite 101

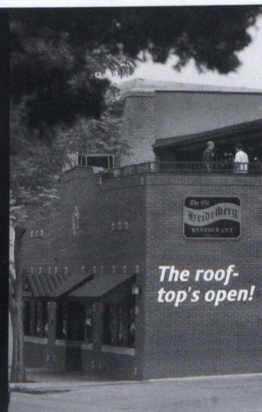
If your Spidey sense is tingling right now, chances are you know about Columbia's leading comic book store. Opened in 1973 a few doors east of its current location, geeks gather here for Magic: The Gathering cards, action figures and graphic novels.



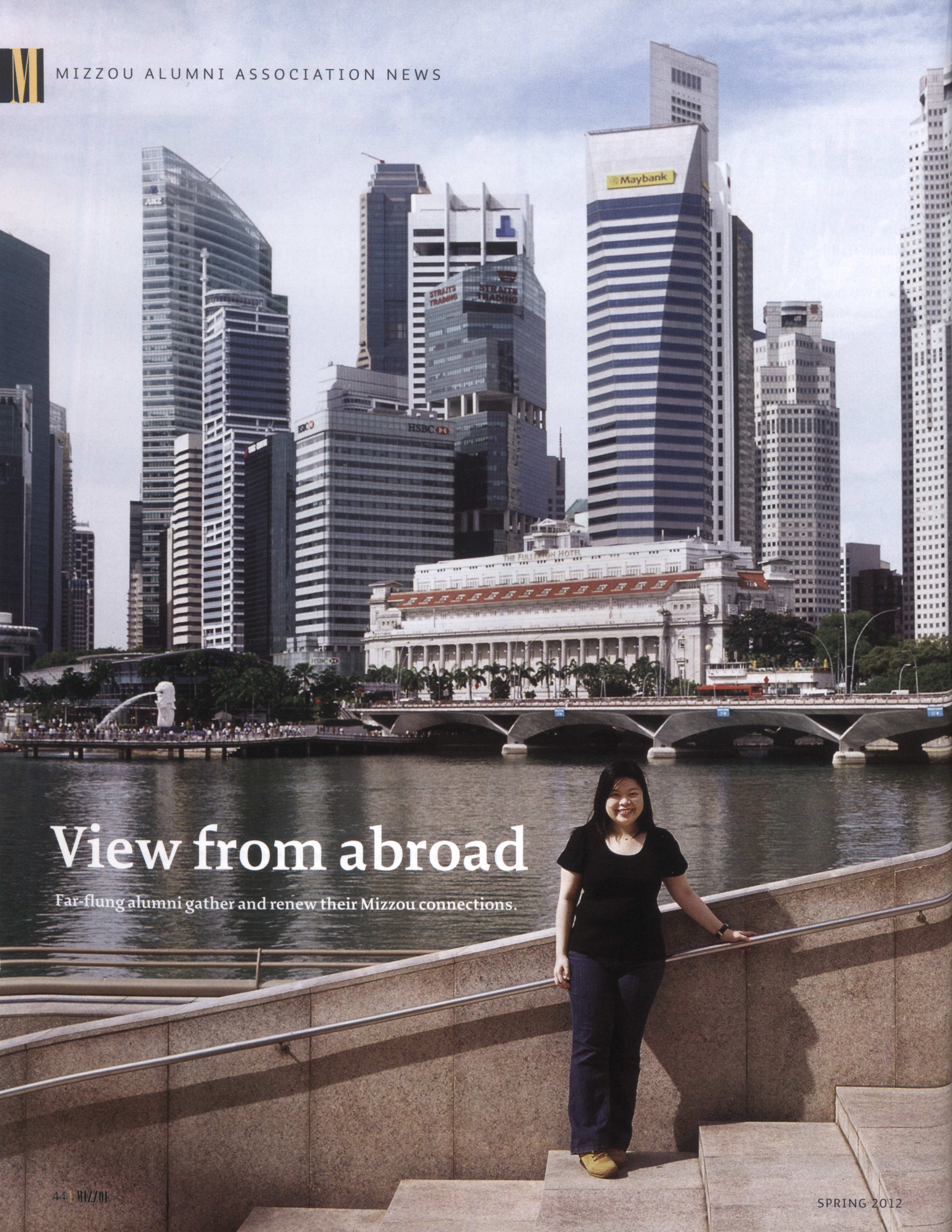
## MEET UP AT THE 'BERG!



410 S. Ninth St.  
 Columbia, MO  
 theheidelberg.com  
 573-449-6927







# View from abroad

Far-flung alumni gather and renew their Mizzou connections.





**It's** not often that members of the Mizzou Alumni Association perform volunteer work in the wee hours of the morning. But Christine Chan, BJ '06, MA '08, has pulled more than one all-nighter for her alma mater. From her home in Singapore, the international representative on the association's Governing Board has stayed up for conference calls to lend her international perspective.

Chan, a financial graphics journalist for Reuters news agency, has had a hand in arranging some of the first association alumni gatherings in Asia. Starting in 2006, she worked with the first international board member, Chern Yeh Kwok, BJ '00, to host a few events in Singapore. "On one hand, it was a platform for networking, on the other, it was just fun to meet Tigers and hear about their experiences at MU," Chan says.

The event's success encouraged Chan, who resolved to organize more events, including co-hosting one in Tokyo Nov. 10, 2011, with Takanori Yuasa, an international studies major at MU. "We held it in a quaint restaurant near Shinjuku on a lovely evening. This was the first time I've met some of these alumni, and it was really good to connect with them. Several said they are excited to see alumni events in Japan."

Chan's work is one way the association is taking up the campus goal to increase interaction overseas with universities, businesses and alumni. She says the association seeks to increase overseas membership and form chapters in places with a critical mass of alumni. "We want to be proactive by engaging alumni abroad and keeping them connected to the association and university. Many international students become extremely successful and proud graduates. They are MU's ambassadors to the world. I believe they can be a formidable force when it comes to international recruitment."

The university starts to foster that family feeling while international students are still on campus, says Todd McCubbin, executive

director of the association. For instance, he says, "We are reaching out to include internationals in campus traditions like Tiger Walk. And a new task force to diversify Homecoming will look at including international students more. We need to teach each student our traditions and welcome them."

The association and university are extending print and electronic communications internationally. MIZZOU magazine now goes to all alumni overseas, as does the @mizzou electronic newsletter. "MIZZOU magazine is the baseline tool for all our alumni communication," McCubbin says. "We send it abroad quarterly with a letter from the chancellor, who is committed to developing the university's international presence and status."

The initiatives also include hiring an international recruiter, John Wilkerson, who started in September 2011. His goal is to increase undergraduate enrollment of internationals to 5 percent within five years. "Corporations tell us they want globally minded graduates," he says. "We want to create balanced and diverse student populations." In his work, Wilkerson not only travels, but also uses a global network of alumni and educational organizations to present MU to prospective students. In spring 2012, the university will recruit in 24 countries.

International students are eligible for scholarships, including from the association's Global Scholars Program, named for Valerie Goodin, BS Ed '67, M Ed '75. She started developing relationships with overseas alumni as an association staff member and continues in retirement.

The generosity flows both ways, McCubbin says. "After the Joplin tornado, several Korean alumni held a golf tournament in Mizzou's name to raise money for the relief effort. That's a great way of honoring the university. As students, they come to a foreign country, and they work hard to earn a degree. They are proud of Mizzou." ■

Christine Chan, BJ '06, MA '08, shows off her city, Singapore, where she has hosted Mizzou Alumni Association events.

Photo by Ivan Tan





## Pitching in for Joplin

When a large tornado devastated Joplin, Mo., May 22, 2011, junior hospitality management major Morgan Adrian and her family were among the thousands to lose their homes and belongings. Ever since then, the Mizzou Alumni Association and some of its chapters have been lending their support — physical, emotional and financial.

Shortly after the storm, Adrian, a 2011 Homecoming tridirector and daughter of alumni Claire, BA '94, and Matt, BJ '91, JD '94, started hearing from friends. "The Homecoming Steering Committee helped right away. I never stopped getting texts and Facebook messages asking if I was emotionally OK, and asking what they could do. They sent a really nice note showing support to me and my family." Without such support, she says, it would have been a much darker time in her life.

Working through Americorps, the Homecoming Steering Committee volunteered in Joplin on Memorial Day weekend to help dismantle damaged homes and pick up debris. "The first site was a house that collapsed," Adrian says. "We moved all the debris within 10 feet of the curb. At the second site, we pulled apart the house siding and hauled it to the curb. When you do that work, you find pieces of people's lives — books, toys, Christmas cards and documents of a life. It's surreal, and it touched us all. And we were so sore the next day."

The association pitched in by offering Traditions Fund monies (\$3,000) to replace funds the Joplin chapter typically raised at its annual golf tournament. "So, despite the devastation, the chapter still gave a scholarship for an MU student from Joplin," says Jayson Meyer, director of alumni relations for the association.

Association chapters across the country have supported Joplin, its 69 students and roughly 1,200 MU alumni, to the tune of more than \$10,000, Meyer says. "We did not prompt this response. But it's part of a growing trend to provide local service in the



Photo by Karee Hackel

name of Mizzou. Their efforts shine a spotlight far and wide on the university."

The spotlight shines as far as New York City, where Marina Shifrin, BJ '10, suggested that the local chapter, MizzouNYC, host a comedy night to raise money for Joplin. The result was Jokes for Joplin, held on the evening of Aug. 3, 2011, at Blackstone's in Manhattan, where the chapter hosts sports watch parties. Seven comedians performed stand-up routines and raised \$500 from the 50 alumni and friends in attendance.

Two of the comics, Shifrin and Justin Williams, Arts '04, attended MU, says Sydney Snider, BS Acc, M Acc '05, chapter president. The other comics were Sagar Bhatt, Chris Nester, Mark Norman, Gary Vider, Jeff Wesselschmidt and Luke Younger. All donated their time and talent. Along with other efforts, the chapter raised a total of \$1,800.

Other chapter fundraisers included:

- Boston'Zou Chapter auction, \$1,540
- Houston Texas Tigers collection effort, \$124
- Kansas City Chapter social and raffle, \$3,350
- St. Louis Chapter Paws for a Cause, \$859
- Valley of the Sun Chapter (Phoenix) social

Homecoming Steering Committee members volunteer in Joplin, Mo., after a tornado in May 2011. They are, left side of photo, top row from left, Morgan Adrian, Aly Friend, Brooklyn Shearer, Kelly Heins, Andrew Howe, Jordan Olivier; middle row, Sami Jo Freeman, Hannah Satterlee, Rachel Litzelfelner, Chris Rucker; bottom row, Tanner Frevert. On the right side of photo, they are, top row from left, Sean Flanagan, Charlie Landis, Michael Banks; middle row, Stacy Burghardt, Katie Artermas, Jordyn Klackner, Kelsey Palmquist, Richard Devero, Hannah Bartfield; bottom row, Caleb Phillips, Drew Dampf, Mathew McWilliams and Brandon Thiel.

and auction, \$2,700

Since the Homecoming Steering Committee volunteered in Joplin, Adrian has kept them up to date on progress. "I send them pictures of the sites we worked on. These days, the town is pretty much flat, with not many signs of the tornado." She says construction projects are sprouting everywhere, and a large swath of her hometown is unrecognizable.

Still, she is grateful for how her family came through the storm. "We call it the new normal. Joplin will never be like we knew it, but I have new perspective on life in general.



What we went through has made us an even stronger family. What we lost is replaceable.”

## The Mizzou Party

The Mizzou Alumni Association’s Legislative Network and the independent organization University of Missouri Flagship Council both are advocacy groups that influence Missouri legislators to represent MU’s interests. “These groups advocate for the Mizzou Party and are not about partisan politics or issues,” says Todd McCubbin, executive director of the association.

The Mizzou Legislative Network (MLN) and its more than 3,200 members make Mizzou’s voice stronger on higher education public policy issues. “Our main goal is to educate alumni and encourage them to communicate with their local legislators on the issues affecting Mizzou,” McCubbin says.

The council was formed in 2006 outside of the university. The council’s political action committee (PAC) has a lobbyist and \$100,000 fund for making donations to state legislators who are in leadership positions in government or who support MU.

“Flagship’s independence allows it to take more strident positions,” than the association or MLN, says Dade, BJ ’85, JD ’93. The

\$100,000 fund can be “a sword or a shield. We can distribute the money to legislators, hold

the money or threaten to use it. Checks for \$1,000 are not insubstantial, and some have received that two years in a row. So, we’re not bankrolling any single legislator, but we can show appreciation of their efforts.”

The council is looking to increase its membership of roughly 500 and extend

the group’s reach into every corner of the state. The need for support is great, he says. “We live in an age where competition for decreasing state resources is increasing. Competition is fierce, and regionalism adds to it. We can’t sit back and rest on our history and what we consider to be our place in the priorities of government. If we believe in public education and that we can be the state’s economic engine, then we have to fight for it. It’s all hands on deck.”

More: [mizzou.com/mln](http://mizzou.com/mln);  
[mizzouflagshipcouncil.com](http://mizzouflagshipcouncil.com)

## Mizzou invades Texas

Now Mizzou license plates are available outside of Missouri.

Russ Metcalf, BS BA ’73, was the first MU graduate in line in summer 2011 when Texas OK’d Mizzou plates in the Lone Star state. MU receives proceeds for each set of plates — 91 so far — and Mizzou alumni and friends can sport a little Tiger pride on their ride. The money supports programs in the Mizzou Alumni Association. In Missouri, 2,333 cars have Mizzou plates.

“Those plates start a lot of conversations down here in Texas,” says Metcalf, a sports fan who travels for Tiger football and basket-

ball games. “It can be tough being a Mizzou supporter in Texas,” he says. “Most of my colleagues

are University of Texas fans, and a few of them wanted to know if I was being a traitor with the new plates. I told them, ‘No, I’m just being loyal to my school.’ And besides, they’ll always know when I’m at work when they see the plates.”

More: [mizzou.com](http://mizzou.com)



## Now’s the time

Although the basketball Tigers have risen in national rankings, the campus lags in a more important realm. Missouri ranks 44th nationwide in its per capita state funding for higher education. During this legislative session, Missouri lawmakers are considering a budget proposed by Gov. Jay Nixon, BA ’78, JD ’81. He calls for a 12.5 percent cut to higher education for 2012–13. If that comes to pass, consider these harsh facts:

- Over the last three years, MU will have had suffered cuts in state appropriations of nearly 25 percent;
- The proposed amount for 2012–13 would be below the allocation for 1994–95;
- We will be educating about 12,000 more students — a 52 percent increase — than in fall 1994 with less state funding.

What’s more, a recent law allows legislators to control what the university charges for tuition. So, the state controls the university’s appropriation and a critical revenue stream.

MU and all of Missouri public higher education is in this tenuous position, and you can help reverse the trend: Share the facts with your elected officials. Remind them of MU’s importance to Missouri’s future.

You can learn more by signing up for Mizzou Legislative Network at [mizzou.com/mln](http://mizzou.com/mln). Let your opinions be known!

*Todd McCubbin*

Todd McCubbin, M Ed ’95  
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Executive director  
Mizzou Alumni Association







### Sign up for social media

Join one of the Mizzou Alumni Association's online communities. Ryan Colman, BJ '11, coordinator of e-engagement, invites all alumni to sign on to the association's Facebook, Twitter and LinkedIn communities for updates, trivia and networking advice. More: [facebook.com/mizzoualumniassociation](http://facebook.com/mizzoualumniassociation); [twitter.com/mizzoualumni](http://twitter.com/mizzoualumni)

### Books for baby Tigers

Know any newborn Tigers? Children 2 and younger of association members receive a free Tiger in Training book. More: [mizzou.com/littletigers](http://mizzou.com/littletigers)

### Ready to prowl

Mark your calendars for a May 3 visit to Columbia and observe one of the association's newer traditions. During Tiger Prowl, graduating seniors gather on the south side of Francis Quadrangle and walk through the Columns toward downtown Columbia to symbolize their graduation. Immediately afterward, the Senior

Sendoff gathering on Carnahan Quadrangle celebrates their entrance into the alumni community. More: [mizzou.com/ttevents](http://mizzou.com/ttevents)

### Time to hit the bricks

Legacy Walk is filling up fast with bricks inscribed by alumni. Dedicated during Homecoming 2007, the walkway in front of Reynolds Alumni Center has generated

more than \$779,000 in support of student scholarships. The next deadline to order one of the 555 remaining bricks is Aug. 1. More: [mizzou.com/bricks](http://mizzou.com/bricks)

### Tell us about Mizzou weddings





Getting married? Share memories of Mizzou-themed weddings on the association's website. More: [mizzou.com/mumarrriages](http://mizzou.com/mumarrriages)



Photo by Nicholas Benner

During Tiger Prowl, graduating seniors run through the Columns toward downtown Columbia.

## MIZZOU CONNECTION

MAR. 7-10 Big XII Men's and Women's Basketball Championships (Kansas City, Mo.)	MAR. 22 HES Alumni Awards Reception (Columbia)	MAR. 31 Tigers of the Corn Scholarship Dinner (Omaha, Neb.)	APR. 4 Legislative Day at the Capitol	APR. 4-7 Tourin' Tigers Masters Golf Tournament	APR. 13 MAA Governing Board	APR. 13-14 Griffiths Leadership Society for Women Spring Conference
			APR. 14 Black and Gold Game			
APR. 26 Callaway County Spring Banquet		APR. 27 Kansas City Tiger Ball			MAY 3-24 Tourin' Tigers Outback to Australia and New Zealand	
MAY 7 Buchanan County Golf Tournament		MAY 10 Cole County Senior Sendoff	MAY 11-13 Commencement			
	MAY 19 Soiree in Stripes (St. Louis)					

More: [mizzou.com](http://mizzou.com) or 800-372-6822



*'My dad, my son, myself.  
Those are just the first three reasons  
I give to my university.'*



Melanie Montgomery Hill,  
BA '81, Executive Vice President  
Ackerman McQueen,  
Jefferson Club Distinguished Fellow

Jim "T.J." Montgomery was the first. Then his daughter, Melanie, and her husband, Ralph Hill. Now the Hills' son Mont attends the university that helped educate and continues to bind family ties. That's why Melanie supports academic and athletic programs at Mizzou — for a lifetime of pride and a limitless future.

For information about joining the Jefferson Club, visit [giving.missouri.edu](http://giving.missouri.edu) today.

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# In appreciation of our newest Life Members

At the Mizzou Alumni Association, lifelong relationships are the foundation of our support. Join us in celebration of our members who upgraded to life membership in 2011.

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## Harpo's is 40-something

Back in 1971, Dennis Harper was taking chemistry and biology courses at MU in preparation for dental school. But as the Iowa City, Iowa, native surveyed downtown Columbia, he saw a hole he could fill. "Iowa City is a college town, and when I was young there were a dozen college bars, but Columbia had only the Stein Club. It looked like an opportunity to me, so I said, 'What the hell,' got a \$10,000 loan from my dad and jumped in."

Harper, BS Ed '71, founded Harpo's at 701 Locust St., formerly a Pizza Hut and now the site of Chong's Oriental Market (See Page 40). His business did so well that, by the end of the following year, he had bought the property at 29 S. Tenth St., built a new structure on the foundation that remained after a fire, and reopened for business.

The restaurant-bar thrived under Harper's plan of courting lunch business from people who worked downtown, and hiring popular Mizzou students who attracted a college crowd in the evenings. "We immediately had customers from events revolving around the university, such as parents' weekends. And we always had football game-day followings," Harper says. Behind the bar sits a piece of a wooden goal post fans tore down and hauled to Harpo's after Mizzou's 20-17



Photo by Nicholas Benner

victory over Colorado in 1972.

About two years ago, Harper put the business up for sale, and Kansas City residents Kevin Fitzpatrick, BS BA '79, and Chuck Naylor, BS BA '82, ponied up to keep Harpo's in the Mizzou family. By the time Fitzpatrick and Naylor were students at Mizzou, Bullwinkle's had joined Harpo's as part of the nightlife scene. "It was all about Harpo's and Bullwinkle's, where we made memories and met some of our best friends to this day," Naylor says.

After buying the business and the building, Naylor and Fitzpatrick opened 10 Below on the ground floor. The night-

**Dennis Harper, BS Ed '71, center, opened Harpo's in 1971. About two years ago he sold the business to MU graduates Kevin Fitzpatrick, BS BA '79, left, and Chuck Naylor, BS BA '82.**

club has an alleyway entrance that is part of a Columbia real estate trend of developing out-of-the-way nooks and crannies downtown, Fitzpatrick says.

"The club gives alumni another reason to come back to Harpo's. We want to protect that brand," Naylor says. "We love the place and are passionate about what it means to us and to Columbia. We want that legacy to continue for a long time."

— Dale Smith

## 1950s

**Robert Casebolt**, BS ME '50, and Cynthia Morrish Casebolt of San Diego, Calif., celebrated their 60th wedding anniversary June 3, 2011.

**Joseph Zacher**, BS Ag '52, DVM '52, and wife Jean of Prairie Village, Kan., celebrated their 60th wedding anniversary Sept. 8, 2011.

★ **Megan McKinney Whitfield**, BA '56, of Chicago wrote *The Magnificent Medills* (Harper/HarperCollins, 2011).

★ **Marilyn Houghton Kayton**, BS Ed '57, M Ed '63, and Charles Kayton of Naperville, Ill., celebrated their 50th wedding anniversary Dec. 17, 2011.

**Thomas Wheeler**, BS PA '58, of Memphis, Tenn., wrote *The London of Sherlock Holmes* (MX Publishing, 2011).

## 1960s

★ **Donald Hummel**, BS CIE '61, of Greenwood, Miss., is a retired bridge builder.

★ **Donald Burgess**, BS Ed '62, of St. Mary's, Ohio, received a 2011 Hall of Honor Award from the Ohio High School Basketball Coaches' Association. He retired after 33 years as an athletic director, coach guidance counselor and teacher, and 15 years as an equipment sales representative.

**Julia Link Roberts**, BA '62, of Bowling Green,

Ky., received a 2011 Acorn Award for teaching excellence from the Kentucky Advocates.

**Thomas Bailey**, MA '64, of Kalamazoo, Mich., received a 2011 distinguished service award from Western Michigan University.

★★ **Juan Walte**, BJ '64, of Boynton Beach, Fla., retired from journalism, including positions with United Press International and USA Today.

★ **Morris Nunn**, BA '67, JD '70, and Jeanne Nunn of Lenexa, Kan., have been honored as Family Conservators by The Family Conservancy for their support of children and families.

★ **Larry Moore**, MA '68, of Belton, Mo.,



received the Outstanding Achievement Award from the Kansas City Regional Foxtrotting Horse Association.

## 1970s

**Paula Berryann**, BA '70, of Raleigh, N.C., published her father's love letters to her mother in *Every Thought of You, A Sailor's Love Letters from the Pacific World War II* (Outskirts Press, 2011).

**Sandra Kraft Kohring**, MA '70, of Providence, R.I., retired after 28 years as a speech language pathologist in the Central Falls, R.I., school system.

**Jack Fishman**, BA '71, of St. Louis is director of the Center for Environmental Sciences at Saint Louis University.

☆☆**Charles Warzyn**, BA '73, of Dublin, Ga., wrote *Stories for the Seasons* (AuthorHouse, 2011).

**Oline Cogdill**, BJ '74, of Plantation, Fla., edits Nova Southeastern University's *Horizons* magazine.

☆☆**Daniel Prosser**, BS Ag '74, M Ed '81, of Chesterfield, Mo., owns Prosser Financial Group.

☆☆**Gary Holloway**, BJ '75, of Bel Air, Md., retired as chief of public affairs for the U.S. Army Test and Evaluation Command at Aberdeen Proving Ground.

☆☆**Dudley McCarter**, JD '75, of Creve Coeur, Mo., is a partner in Behr, McCarter & Potter, which was ranked in "2011–2012 Best Law Firms" compiled by *U.S. News & World Report*.

☆☆**Skip Walther**, BA '75, JD '79, of Columbia was appointed to the Missouri Commission on Retirement, Removal and Discipline of Judges.

**Sherry Ann Roberts**, BJ '76, of St. Paul, Minn., wrote *Book of Mercy* (Osmyrrah Publishing, 2011).

☆☆**Beverly Gilliam Taki**, BS Ed, '76, of Malibu, Calif., a real estate broker in California and Missouri, earned a certificate in dispute resolution from the Pepperdine School of Law.

**Kathy Casteel**, MA '77, of Auxvasse, Mo., won

a Best in Business award from the Society of American Business Editors and Writers.

☆☆**Ralph Duggins III**, JD '77, of Fort Worth, Texas, is a lawyer and vice chair of the Texas Parks and Wildlife Commission.

**Wayne Harmon**, BS Ag '77, BS FW '77, of Boonville, Mo., owner of Starr Pines Christmas Tree Farm, won Best Christmas Tree at the Missouri Christmas Tree Growers convention.

**Judith Horn**, MA '79, of Greensboro, N.C., retired after 21 years with College of DuPage in Glen Ellyn, Ill., and now owns and runs the Troy-Bumpas Inn.

**Miner Paddock**, MS PA '79, of Plainfield, Ill., directs the Will County Land Use Department, which won the 2011 Public Integrity Award of the American Society for Public Administration.

☆☆**Sheryl Silvey**, BS Ed '79, M Ed '80, of Ballwin, Mo., was honored by the St. Louis Learning Disabilities Association for two



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## Crafting a life

After Eric Grgurich, BS Ag '97, graduated from Mizzou, he worked a few years in construction before becoming a commercial lender at Bank Midwest in his hometown of Kirksville, Mo. Although he liked the job and his colleagues well enough, deep down he knew he would be happier getting out from behind his desk. When he made that move, he launched a career that called on a host of skills he'd been developing his whole life.

Grgurich grew up on a farm and always liked working with his hands. "I started working early in life," he says. "In addition to doing everyday chores from the time I can remember, I started welding at age 10 to help with repairs. I think those experiences gave me a good work ethic and made me a better person."

During high school, Grgurich met Tara Mullins (now his wife, Tara Grgurich, BSN '99). In woodworking class, he made her a cherry display case and a cedar quilt rack that now are part of their home furnishings. He hopes one day to pass them down to their children.

Using his skills in metalworking, woodworking and construction, Grgurich owns and runs Epic Design & Contracting, a residential construction and remodeling company, as well as Outback Welding & Machining. The businesses keep Grgurich busy, but in free moments he heads to his shop to relax with welding and black-



Photo courtesy of Emily Tharp Buckallew/Infinite Joy Photography

**After working as a commercial lender in Kirksville, Mo., Eric Grgurich, BS Ag '97, launched businesses of his own. He designed and built this spiral staircase.**

smithing projects.

In 2010, a job came along that tested all of Grgurich's abilities in working metal and wood — a local couple commissioned him to build a spiral staircase and private library for their home. Not only did Grgurich design all the pieces, he also forged the metal for the staircase, and built a wooden desk and massive bookcase. "It's one of my greater accomplishments," he says. "I would love to spend the rest of my life doing that kind of work." — Dale Smith

decades of work for the association and the children it serves.

## 1980s

★**Jim Lemonds**, BA '80, of St. Louis received the Land of Lincoln Joseph R. Bartylak Pro Bono Award for volunteering to train lawyers in trial advocacy.

**Sheila Champlin**, MA '81, of Germantown, Tenn., leads the award-winning communica-

tions and marketing group at the University of Tennessee Health Science Center.

**Ronald Nichols**, BJ '81, of Greensboro, N.C., wrote *Where the Sky Doesn't End* (Martin Sisters Publishing, 2011).

★★**Annie Presley**, BA '81, of Kansas City, Mo., is a senior policy adviser with Bryan Cave.

★★**Ronald Smith**, BJ '81, of Louisville, Ky., published *The Savior of Turk* (2011).

**Jeffrey Brinker**, JD '82, of St. Louis is a partner with Brinker & Doyen.

**Andy Huckaba**, BM '83, of Lenexa, Kan., was appointed to the Federal Communications Commission's Intergovernmental Advisory Committee.

**Mindy Martin Lampert**, MS '83, of Bethpage, N.Y., launched *liparenteen.com*, a parenting site for Long Islanders.

**Mary Ellen McKinley**, M Ed '83, of Piqua, Ohio, was named Ohio Outstanding Adult Teacher of the Year.

**Linda Salzer**, BA, BJ '85, of Cambridge, Mass., helped translate the film *Growthbusters: Hooked on Growth* for Spanish subtitles.

★**Michael Kateman**, BS BA '85, MA '91, of Rocheport, Mo., executive director of development, alumni and public relations at Columbia College, has been elected 2012 chair of the Partnership for Philanthropic Planning board of directors.

**Yahya Kamalipour**, PhD '86, of Munster, Ind., is professor and head of communication and creative arts at Purdue University Calumet.

**Laura Nichols**, BA '86, of Alexandria, Va., is executive vice president of global communications for the Motion Picture Association of America.

★★**James Yemm**, BS BA, BS BA '86, of St. Louis was given the 2011 Harvey H. Hebert Memorial Award from Delta Sigma Phi.

**Lisa Gurevitch Cohen**, BJ '88, of Atlanta helped launch the CNN Freedom Project, through which the network broadcast more than 100 contemporary stories of slavery across five continents.

**Randall Robert Kammerdiener**, BJ '88, MPA '96, of Ponte Vera, Fla., co-owns the Republican direct mail firm Majority Strategies.

★**Karen O'Connor Knabe**, BS Ed '88, of Leawood, Kan., teaches second grade in the Olathe School District.

★**Shannon Shy**, JD '88, of Woodbridge, Va., published *Dad, I Love You All the Way to God and Back* (AuthorHouse, 2011).



## A fresh face

His supporters called it an upset. The media called it unexpected. But when Jermaine Reed, a candidate for the 3rd District city council seat in Kansas City, Mo., realized he had won on election night, he called it “unbelievable.”

On March 22, 2011, the 26-year-old became the second-youngest candidate elected to a city council seat in the city of fountains. And for the first time in more than a decade of city council elections, Reed's victory unseated an incumbent candidate.

“There were a lot of people who told me to wait my turn,” Reed says. “And I was determined not to listen to them.”

Even though he's in the first term of his first elected position, Reed, BGS '06, has experience listening to the people of Kansas City.

In high school, he hosted *Generation Rap* on Hot 103 Jamz (KPRS-FM). It's a leadership program that aims to increase the number of high school students who go on to college.

“Radio has given me a platform for my voice and lessons in listening,” he says.

Reed is especially interested in helping young people get a voice.

His focus on youth drew the attention of President Barack Obama, who invited Reed and other young elected officials to meet with members of his administration at the White House in June 2011.

Being in the nation's most recognizable residence was a far cry from Reed's Kansas City childhood. Raised along with four siblings by a single mom, he was homeless at one point. Reed is the first in his family to graduate from college.

Reed now sees his success story as an example of overcoming challenging odds, and he wants to be a positive figure for the Kansas City youth who don't have a strong male role model.

“I want them to think, ‘Yeah, I can do that. I can do anything,’” he says. “If that's what they're thinking, then I'm doing my job.” — David Earl



Photo by Rob Hill

Jermaine Reed, BGS '06, fills the 3rd District city council seat in Kansas City, Mo. He is the city's second-youngest city council member and the first to unseat an incumbent in more than 10 years.

**Michael Crimmins**, BS BA '89, of Chesterfield, Mo., was elected to serve on the Investment Program Association board of directors.

**Neal Goulet**, BJ '89, of Hummelstown, Pa., launched *Pennsylvania Puck* (papuck.com), an online hockey magazine.

## 1990s

**Robert Townsend**, BJ '90, of Kansas City, Mo., works at WDAF FOX 4.

**Renee Hultgren**, BJ '91, of Shawnee, Kan., is events manager at Kansas State University–Olathe.

☆ **S.R. Claridge**, BA '92, of Broomfield, Colo., writes mystery novels, including the *Just Call Me Angel* series.

**Richard Skwiot**, MA '92, of Key West, Fla., published his fifth book, *Key West Story* (Antaeus Books, 2012).

**Leigh Clayton**, BS '98, M Ed '09, of Columbia is president of the Missouri School Age Community Coalition.

☆☆ **Chad Follis**, BS Ag '98, MS '01, of Farmington, Mo., and Stacey Follis, BS Ag '98, MS '00, announce the birth of Sela Nov. 1, 2010.

**Minkah Makalani**, BA '96, of Brooklyn, N.Y., published *In the Cause of Freedom: Radical Black Internationalism from Harlem to London, 1917–1939* (University of North Carolina Press, 2011).

☆☆ **Dan Andrzejewski**, BS BA, BS BA '99, and Amy Roby Andrzejewski, BS HES '00, of St. Peters, Mo., announce the birth of Matthew David Nov. 11, 2011.

☆ **Christopher Hemeyer**, BJ '99, of Lillington, N.C., is an athletics play-by-play announcer and marketing coordinator at Campbell University.

**Lisa Luetkemeyer**, MHS '99, of St. Peters, Mo., is an associate practicing with Greensfelder, Hemker & Gale.

☆ **Becki Rhoades**, BS Ag '99, of Topeka, Kan., is director of marketing for the National

Association of Farm Broadcasting.

## 2000s

**Suzanne Broadfield**, BJ '00, of Gaithersburg, Md., was elected to the board of governors at the National Press Club.

☆ **Casey Gentry**, BA '00, and **Matt Tollerton**, BA '00, of Holts Summit, Mo., announce the birth of Clara Jean Oct. 29, 2011.

**Jeffrey Kuznitz**, BS BA '00, and Karmen Holdinghausen of St. Louis announce the birth of Tyler Jeffrey July 27, 2011.

**John McHale**, MA '00, PhD '02, of Normal, Ill., won the Best Short Script award from the Rhode Island International film Fest for *Last Exit to Normal*.

**Brian Bolton**, BA '01, of Dallas is an associate at Thompson & Knight.

**Grayson Laird**, BJ '01, of New York owns Grady's Cold Brew iced coffee concentrate.

**Brian Wamhoff**, PhD '01, of Charlottesville, Va., received a distinguished alumnus award



## Tiger burning bright

There may be only one thing Angela Belden, MS '06, enjoys more than putting out fires: starting them. As a Missouri Department of Conservation forester for Callaway and Montgomery counties, she springs into action whenever wildfires rage. She also performs controlled burns to reduce future fire damage and to promote germination of desirable trees and other indigenous plants.

"We set prescribed fires under carefully controlled conditions with stated objectives," says Belden, who also helps landowners by establishing management plans that improve their forests with an eye toward sustainability.

Promoting healthy forests requires extensive knowledge of the relationships between tree species. For example, sugar maples thrive in Missouri. The prolific trees grow beneath the taller oaks, which are valued for timber and animal-nourishing acorns. The shade cast by the maples keeps the oaks from multiplying, so the shorter trees must be periodically thinned.

Belden, who grew up in northern Illinois, has always loved educating others about such topics. Like most foresters, her career sprouted from a deep-rooted love of nature.

After graduating from Truman State University, an internship took her to Muir Woods in California's Golden Gate National Recreation Area. "One of my jobs was to teach 15-minute ecology lessons to the public, and I just loved learning about forests," Belden says. "It was a heavily visited park, so I received a lot of questions."

Moving forward, she hopes to use



Photo by Nicholas Benner

her training to fight fires in other states, including Colorado and California.

"Often, people don't think forests change, but nature is constantly changing," Belden says. "When people choose not to manage a forest, they

**Angela Belden, MS '06, stewards the forests of Callaway and Montgomery counties for the Missouri Department of Conservation.**

are still choosing how a forest will change." — Marcus Wilkins

from Rhodes College in 2011.

**Alison Moore McCulloch**, BS BA '02, and Jay McCulloch, BS BA '00, of St. Peters, Mo., announce the birth of Margaret Anne

Oct. 9, 2010.

**Paula Rhodes**, BJ '02, of North Hollywood, Calif., had a lead role in *Shuffle* in 2011.  
**Jessica Tipton**, MA '02, of Shawnee, Kan., is

an assistant professor/librarian at Johnson County Community College.

**Brett Huhman**, BS EE '03, MS '06, of Derwood, Md., received the U.S. Naval





Research Laboratory's Award of Merit for Group Achievement.

**Timothy McFarlin**, BA '03, BA '03, of St. Louis has been recognized as a Super Lawyers Rising Star.

☆☆**Mark Baker**, BS Ag '04, and **Julie Baker**, BS Ag '04, JD '08, of Jefferson City announce the birth of Lily Jane Sept. 26, 2011.

**Linda Cline**, BS BA '04, of Wentzville, Mo., is property manager at Sachs Properties Inc.

☆**Gabriel Gulley**, BS '04, and Michelle Gulley of St. Augustine, Fla., announce the birth of Cameron Sept. 15, 2011.

**Patrick Hanna**, BS CIE '04, and Jill Boehmer Hanna, BJ '04, of St. Louis announce the birth of Carson Sept. 12, 2011.

**Katherine Heine Elliott**, BJ '04, and Michael Elliott of Columbia announce the birth of Rose Mikae Sept. 29, 2011.

**Ryan Horsman**, BA '04, and Lauren Horsman, BJ '05, of St. Joseph, Mo., announce the birth of Harper June 13, 2011.

**Grant Powell**, BS BA '04, and Pamela Powell, BJ '05, of St. Louis announce the birth of Noah Matthew Nov. 1, 2011.

**Mario Gianino**, BJ '05, of Chesterfield, Mo., is an associate with Armstrong Teasdale.

☆**John Neyens**, BS ME '06, and Shawn Neyens, BS BA '02, of Quincy, Ill., announce the birth of Ava Charlotte June 16, 2011.

**Jennifer Reese**, BSN '06, and David Reese of St. Simons Island, Ga., announce the birth of Thomas Carlton Oct. 6, 2011.

**Bryan Sisk**, BS '07, of Cleveland, Ohio, a medical student at Lerner College of Medicine, published *A Lasting Effect, Reflections on Music and Medicine* (2011), an account of his time singing and playing guitar for sick children.

**Jennifer Eng**, BJ '08, JD '11, of Kansas City, Mo., practices law with Polsinelli Shughart.

**Ashley Marshall**, BA '08, JD '11, of St. Louis is an associate with Armstrong Teasdale.

**Ryan Yager**, BA '08, of Imperial, Mo., is an associate with Greensfelder, Hemker & Gale.

☆**David Zobel**, BA '08, of St. Charles, Mo., is an associate with Danna McKittrick P.C.

**Zachary Howenstine**, JD '09, of St. Louis is an associate with Armstrong Teasdale.

**Emily Rosko**, PhD '09, of Charleston, S.C., edited *A Broken Thing: Poets on the Line* (University of Iowa Press, 2011).

**Brian Thompson**, MA '09, of St. Augustine, Fla., writes the *St. Augustine Record's* "In a Nutshell" column, which has won the Florida Press Club's Excellence in Journalism Competition commentary category every year since 2009.

## 2010s

**Nathan Elkins**, PhD '10, of Waco, Texas, is assistant professor of art history at Baylor University.

**Jeremy Brenner**, JD '11, of Ellisville, Mo., is an associate with Armstrong Teasdale.

**Thomas Nagel**, BJ '11, of St. Louis is a public relations intern with the Lessie Bates Davis Neighborhood House in East St. Louis, Ill.

## Faculty Deaths

**Don Crowley**, of Columbia July 1, 2011, at age 78. An English professor, he published critical editions, books and essays on writers, including Robert Frost, Henry James, Walker Percy and Mark Twain. He also edited *Robinson Crusoe* for the Oxford Press.

**Edward Robb**, of Columbia Sept. 24, 2011, at age 69. At MU, he was an economics professor, founding director of the Economic Policy and Analysis Research Center, director of the College of Business and Public Administration Research Center and director of the State Fiscal Studies Unit. He was later the Boone County representative to the Missouri House of Representatives and a presiding Boone County Commissioner.

**Bruce Rosenquist**, MS '66, PhD '68, of Isabella, Mo., Oct. 29, 2011, at age 77. A U.S. Public Health Service officer in Atlanta and Haddonfield, N.J., he was a professor of microbiology and virology in the College of Veterinary Medicine at MU.

## Deaths

**Gertrude Zimmer**, BA '31, MA '44, of Olathe, Kan., Sept. 24, 2011, at age 102. She was a high school and college teacher in Missouri

and Kansas, and she directed Ozark Regional Library in Ironton, Mo.

**Sidney Smith**, BJ '32, of Austin, Texas, Nov. 23, 2011, at age 100. Determined to "write their way around the world," he and wife Bert Kruger Smith were journalists in Illinois, Oregon, Alaska, Texas and for *The New York Times*. He was also a real estate agent, publisher, jeweler and painter of nudes.

**Eleanor Noxon Schweizer**, BA '36, of Edwardsville, Ill., Oct. 30, 2011, at age 96.

**Mary Katherine Williamson Smith**, BA '36, of Columbia Oct. 21, 2011, at age 95. She worked for the U.S. Army Air Corps during World War II and for the dean's office at the MU College of Agriculture in the 1970s.

**Louisa Turley Frost**, BJ '38, of Wilmington, Del., Oct. 17, 2011, at age 95. She covered the arts in Brazil for *The Christian Science Monitor* and the *Brazil Herald*.

**Paul Niedner**, BA, JD '38, of St. Charles, Mo., Oct. 16, 2011, at age 96. He practiced law for more than 50 years at Niedner Law Firm.

**Robert Chambers**, BJ '39, of Denton, Texas, Nov. 20, 2011, at age 93. A U.S. Army Air Forces World War II and Korean War veteran, he was chair of the journalism department at Texas Women's University.

**Walter Dickson**, BS BA '39, of Escanaba, Mich., Aug. 30, 2011, at age 94. A U.S. Army Air Corps veteran, he worked for Office Service Co.

**Evelyn Hall Hays**, BS Ed '40, of Tipton, Mo., Oct. 22, 2011, at age 94. She was cafeteria manager at Hickman High School and Jefferson Junior High School.

**Audrey Weldon Shafer**, BS HE '40, of Kansas City, Mo., Sept. 17, 2011, at age 92. She was a Gamma Phi Beta member.

**Dorothy Means Herrington**, BA '41, BS Ed, M Ed '61, of Kirksville, Mo., June 22, 2011, at age 91.

**Alfred Seidel**, BS BA '41, of St. Louis June 29, 2011, at age 92. A U.S. Army World War II veteran, he was a member of the 1939 Orange Bowl Tigers.

**Morris Alex**, BS Med '42, of St. Louis Nov. 5, 2011, at age 91. He was a medical corps captain during World War II.



**Jack Eckdahl**, BS Ed '42, M Ed '46, of Melrose, Fla., Nov. 3, 2011, at age 93. A U.S. Navy World War II veteran, he coached football at Duke University and Arkansas A&M, and he was a professor of physical education and assistant director of the intramural program at the University of Florida.

**Regina Hiller**, BA '42, of Houston Sept. 5, 2011, at age 90. She worked at Houston Jewish Family Services helping families adopt children.

**Ray McClure**, BS Ag '42, M Ed '51, of Columbia Sept. 17, 2011, at age 91. A U.S. Army Air Forces veteran, he was a vocational agriculture instructor at Marshall High School.

**Donald Mozley**, BJ '42, of Kentfield, Calif., Oct. 27, 2011, at age 90. He was a CBS news reporter from World War II until his death.

**Jess Brents**, BS Ag '43, of Independence, Mo., Nov. 23, 2011, at age 89. A U.S. Army World War II veteran, he was an insurance agent for State Farm.

**Jack Davis**, BA '45, of Kansas City, Mo., Nov. 28, 2011, at age 89. A Phi Beta Pi member and a U.S. Army veteran, he founded the Raytown Clinic, established a solo practice in Kansas City in 1967 and was president of the staff at Baptist Hospital Medical Center.

**Howard Berkley**, BS BA '46, of San Antonio Sept. 12, 2011, at age 91. He was a U.S. Army Air Corps World War II veteran.

**William Bleish**, BS BA '46, of Kansas City, Mo., Dec. 12, 2011, at age 90. A U.S. Army World War II and Korean War veteran, he had a career in the paper business and founded with his son Bag & Baggage Luggage Store.

**Ella Smith Cowan**, BS Ed '46, of Bismarck, Mo., Sept. 22, 2011, at age 88. She was a teacher, worked at a St. Louis ammunition plant, and was secretary of the Maries County Farm Bureau.

**Muriel Heritage Fowler**, BS Ed '46, M Ed '48, of Vancouver, Wash., Oct. 15, 2011, at age 99. She taught first grade at Hood River and Parkrose elementary schools in Oregon.

**John Middlekamp**, BS Med '46, of St. Louis Nov. 2, 2011, at age 86. A U.S. Navy Korean

War veteran, he was the director of the divisions of infectious diseases, ambulatory pediatrics, the emergency room at St. Louis Children's Hospital and the pediatrics department at the Washington University School of Medicine.

**Victor Powell**, MA '46, PhD '54, of Crawfordsville, Ind., Oct. 3, 2011, at age 91. A U.S. Army Air Forces World War II veteran, he was an assistant professor of speech and debate coach at Wabash College.

**Margaret McCluskey Shemwell**, BJ '46, of Vancouver, Wash., Dec. 2, 2011, at age 88. She was a newspaper reporter and radio station manager, and she was a writer and clerk for the U.S. Forest Service.

**Emory Skidmore**, BS BA '46, of Morton, Ill., Nov. 3, 2011, at age 90. A U.S. Army World War II veteran, he was a field representative for Butler Steel Buildings of Kansas City, Mo.

**Earl Allgeyer**, BS ME '47, of Lee's Summit, Mo., Oct. 9, 2011, at age 88. A U.S. Navy veteran, he was a mechanical engineer for Marley Cooling Towers.

**John Delorenzi**, BJ '47, of Washington, D.C., Aug. 26, 2011, at age 89.

**John Jacobs**, BJ '47, of Gainesville, Fla., Nov. 27, 2011, at age 89. A U.S. Army World War II veteran, he founded Jacobs Media Corp., Gainesville Cablevision and several radio stations.

**Aubrey Taylor**, BS BA '47, of Jacksonville, Fla., Sept. 15, 2011, at age 89. A U.S. Army World War II veteran, he worked for Liberty Mutual Insurance Co. in Atlanta and Chicago.

**William Taylor**, M Ed '47, of Lamar, Mo., Oct. 26, 2011, at age 100. He was a middle school principal.

**Gerald Anderson**, MA '48, PhD '52, of Blacksburg, Va., Oct. 5, 2011, at age 90. A U.S. Army World War II veteran, he was a teacher and researcher of animal behavior, nutrition and physiology.

**Glenn Deatley**, BS Ed '48, of Dallas Aug 19, 2011, at age 87. An Alpha Tau Omega member and a U.S. Army Air Corps veteran of World War II, he was general manager of Massey Ferguson Inc. and president of Badger

Northland Inc. He later worked for the U.S. Environmental Protection Agency.

**Elaine Figgins Fairhurst**, BJ '48, of Kansas City, Mo., Sept. 18, 2011, at age 84. She worked in advertising at Montgomery Ward.

**Charles Larkins**, BJ '48, of Conway, Ark., Oct. 24, 2011, at age 89. A Sigma Delta Chi member and U.S. Army Air Corps World War II veteran, he was a promotional manager for the Griffin Broadcasting Group.

**Edward Moore**, BS BA '48, of St. Louis Sept. 25, 2011, at age 88.

**William Pritchard**, BA, BS Ed '48, of Kansas City, Mo., Nov. 22, 2011, at age 89. A U.S. Air Force World War II veteran, he was a sales representative for DuPont.

**Thomas Rush**, BA '48, MA '50, of Houston Sept. 1, 2011, at age 89. A U.S. Army World War II veteran, he was a petroleum geologist with Texaco.

**Blair Stover**, JD '48, of Kansas City, Mo., Oct. 24, 2011, at age 91. A U.S. Army Air Corps World War II veteran, he was a claims attorney for the St. Joseph (Mo.) Power and Light Co. and later ran his own practice.

**Jeanne Beck**, BS BA '49, of St. Louis Oct. 17, 2011, at age 83.

**Charles Hale**, BS Ag '49, of Pekin, Ill., Nov. 7, 2011, at age 89. A U.S. Army World War II veteran, he was a teacher in Illinois and Missouri.

**Paul Klusmeyer**, BS Ag '49, MS '50, of Edmond, Okla., Sept. 29, 2011, at age 91. A U.S. Army World War II veteran, he was a microbiologist for Wilson Foods.

**Donald Roberts**, BS BA '49, of Lenexa, Kan., Nov. 1, 2011, at age 84. A U.S. Navy World War II veteran, he was the executive vice president of George K. Baum & Co.

**Louis Taylor**, BS Ag '49, of Urbana, Ky., Nov. 17, 2011, at age 87. A U.S. Navy World War II veteran, he worked for Field and Associates.

**Donald Townley**, BS CIE '49, MS '51, of Overland Park, Kan., Oct. 5, 2011, at age 93. A U.S. Army World War II veteran, he worked for the Missouri Division of Health and Missouri State Highway Department.





**Elizabeth Tomlin Buckman**, BS HE '50, of Kansas City, Mo., Oct. 28, 2011, at age 83.

**Ruth Wollam Cassanova**, BJ '50, of Douglassville, Pa., Oct. 30, 2011, at age 84. She was a special education teacher in the Stow, Ohio, school district.

**John Cousins**, BA '50, of Livonia, Mich., Sept. 1, 2011, at age 83. He was a U.S. Navy Reserve World War II veteran.

**John Dunn**, BS Ag '50, of Spanish Fort, Ala., Sept. 15, 2011, at age 83. A U.S. Navy veteran, he worked for John Morrell and Co.

**Eileen Armstrong Gannon**, BJ '50, of Stillwater, N.Y., June 18, 2011, at age 84. She worked for Saratoga National Battlefield.

**Warren Hargus**, BS Ag '50, MS '65, of Marietta, Ga., Sept. 13, 2011, at age 87. A U.S. Army Air Corps World War II veteran, he was an MU Extension agent.

**William Humphries**, BS BA '50, of Ava, Mo., Sept. 30, 2011, at age 84. He was a U.S. Marine Corps World War II veteran, real estate agent and cattle farmer.

**Ella Craig Kelly**, BS HE '50, of Bartlesville, Okla., Sept. 26, 2011, at age 84.

**Fred Kleppsattel**, BS BA '50, MA '51, of Orlando, Fla., Aug. 16, 2011, at age 88. He was a U.S. Navy Korean War and Vietnam War veteran.

**Arthur Moskowitz**, BS ME '50, of Bellevue, Wash., Aug. 7, 2011, at age 85.

**Robert Posen**, BJ '50, of St. Louis June 25, 2011, at age 82.

**Loren Reno**, BS BA, MA '50, of Cameron, Mo., Oct. 2, 2011, at age 84. He was a U.S. Army veteran and an accountant.

**Carl Rodery**, BS Ed '50, M Ed '53, of St. Peters, Mo., Nov. 16, 2011, at age 86. A U.S. Navy World War II veteran, he was an assistant principal at Hazelwood School District.

**William Rutherford**, BS BA '50, MA '51, of Independence, Mo., Nov. 5, 2011, at age 87. A U.S. Army veteran, he owned Texas Tom's Drive-In.

**Charles Steck**, M Ed '50, of Cape Girardeau, Mo., Sept. 10, 2011, at age 92. He was an industrial arts teacher.

**Robert Davidson**, BS BA '51, of Boynton Beach, Fla., Aug. 13, 2011, at age 82.

**Anthony Frein**, BS Ag '51, of Little Rock, Ark., Oct. 18, 2011, at age 85. A U.S. Army Air Force veteran, he was a farmer and later a commodity broker at Farmer's Marketing Service in Brinkley, Ark.

**Robert Graham**, BS ME '51, of St. Charles, Mo., Aug. 23, 2011, at age 84. He worked at McDonnell Douglas on several manned-spacecraft programs.

**Woodrow Kramer**, M Ed '51, of Hutchinson, Kan., Sept. 15, 2011, at age 92. He was the Hutchinson High School athletic director.

**Virginia Workman**, BA '51, MA '78, of St. Louis Sept. 24, 2011, at age 81. A Pi Beta Phi member, she was the head librarian at the University of Missouri–St. Louis.

**Susan Campbell Downe**, BS Ed '52, of New York City Sept. 23, 2011, at age 80.

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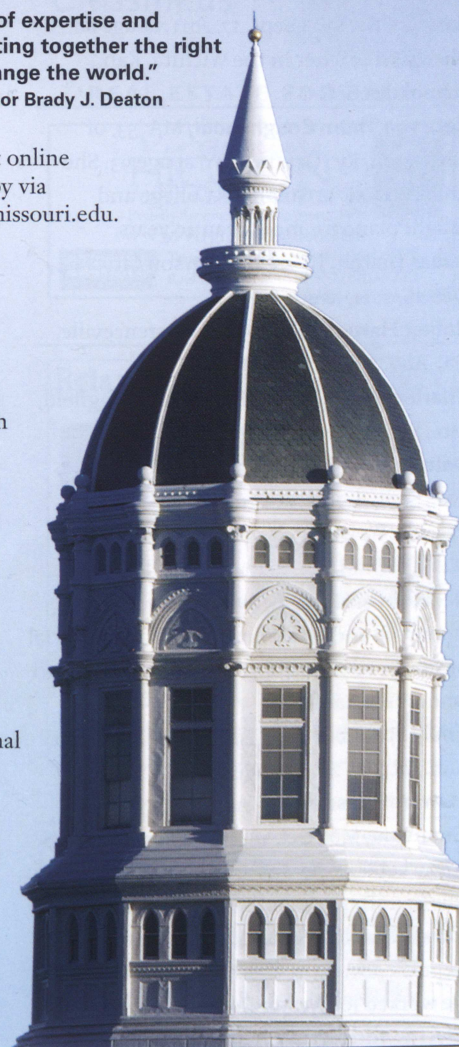
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**Sue Erwin**, BS Ed '52, of Sunderland, Mass., Nov. 7, 2011, at age 81.

**Samuel Kohn**, BA '52, of St. Louis Sept. 3, 2011, at age 81.

**Robert Lea**, BS CiE '52, of Moberly, Mo., Nov. 2, 2011, at age 82.

**David Rapp**, BA '52, MA '56, of Houston Nov. 23, 2011, at age 81. A U.S. Army Korean War veteran and a Delta Tau Delta member, he worked for Standard Oil Co. of California, Monsanto Co., Rutherford Oil Co. and Huffington Oil Co. before founding a consulting firm.

**Valvin Sinclair**, BS Ed '52, of St. Louis Aug. 27, 2011, at age 82. He was a U.S. Navy Korean War veteran.

**Judith Russey Chick**, BS Ed '53, M Ed '57, of Kansas City, Mo., Sept. 17, 2011, at age 80. She was a teacher in the Wichita, Kan., school district.

**Reta von Thurn Coughenour**, MA '53, of Lexington, Ky., Oct. 14, 2011, at age 93. She taught music at Stephens College and taught piano for more than 40 years.

**James Dalton**, JD '53, of Jefferson City, Mo., Oct. 26, 2011, at age 84.

**Robert Harper**, BS Ag '53, of Lawrenceville, Ga., Aug. 28, 2011, at age 81.

**Charles Hendricks**, BS BA '53, of Springfield, Mo., Sept. 11, 2011, at age 80.

**Dale Reesman**, BA '53, JD '59, of Boonville, Mo., Sept. 6, 2011, at age 80. A U.S. Army veteran, he was a lawyer at Williams, Williams and Reesman (now Williams, Reesman and Tate), city attorney for Boonville and New Franklin, Mo., and special assistant to the attorney general of Missouri under Tom Eagleton.

**Emily Stock Bode**, BS Ed '54, of Manhattan, Kan., Oct. 27, 2011, at age 79.

**Howard Friese**, BS Ag '54, MS '59, of Cape Girardeau, Mo., Oct. 18, 2011, at age 89. A U.S. Army veteran, he was an appraiser for the Missouri Department of Transportation.

**Elmer Strehly**, BS EE '54, of Palo Alto, Calif., Sept. 27, 2011, at age 78. A U.S. Army veteran, he worked for Westinghouse, General Electric and Sigma Chemical.

**Eugene Smith**, BS PA '54, of Salisbury, Mo., Oct. 18, 2011, at age 80. He was an insurance agent at MFA, now Shelter Insurance.

**Lloyd Wallace**, MS '54, of Eureka, Mo., Oct. 2, 2011, at age 89. A U.S. Navy World War II veteran, he worked for the Missouri State Welfare Service and was director of welfare in St. Louis.

**John Dowling**, BS Ag '55, of Charleston, Mo., Oct. 9, 2011, at age 78.

**Emil Haller**, BS Ed '55, of Ithaca, N.Y., Nov. 20, 2011, at age 78. A U.S. Army veteran, he was a professor in the department of education at Cornell University.

**Wesley Hase**, BS BA '55, of St. Petersburg, Fla., Nov. 4, 2011, at age 80. A U.S. Air Force and Tennessee Air National Guard veteran, he was a partner at the Breckenridge Resort Hotel.

**Jane Thomas Rapp**, BS Ed '55, of Burt Lake, Mich., Oct. 28, 2011, at age 78. She was a Kappa Alpha Theta member.

**William Roth**, BJ '55, of Manchester, N.H., Oct. 13, 2011, at age 78. A U.S. Army Vietnam War veteran, he was a liaison for the Army to the German government.

**John Harman**, BA '56, of Santa Rosa, Calif., Aug. 20, 2011, at age 76. He was a U.S. Marine Corps veteran and a carpenter.

**Phyllis Clark Lofthouse**, BA '56, of San Mateo, Calif., Oct. 1, 2011, at age 75. She was a flight attendant and a supervisor for Trans World Airlines.

**William Henry**, M Ed '56, of Chillicothe, Mo., Aug. 31, 2011, at age 81. A U.S. Army World War II veteran, he was a teacher in Skokie, Ill.

**Math Howell**, BS BA '56, of Springfield, Mo., Oct. 2, 2011, at age 80. A U.S. Air Force veteran and Sigma Nu member, he worked for Missouri Portland Cement Co.

**Mary Cruser Utterback**, M Ed '56, of Mexico, Mo., Oct. 3, 2011, at age 92. She taught at Warren and Prairie View elementary schools, Hightower Country School, and Tilden, Shelbina and Monroe City high schools.

**Kenneth Davison**, BS Ag '57, of Maryville, Mo., Oct. 2, 2011, at age 75.

**Mial Hillhouse**, BS '57, of Huntsville, Texas, Oct. 17, 2011, at age 82. A U.S. Navy veteran,

he led engineering research at Goodyear Tire and Rubber Co. and he directed research and development at Raybestos-Manhattan Co.

**Joe Linton**, BA '57, MA '59, PhD '62, of Tampa, Fla., Sept. 7, 2011, at age 80. A U.S. Marine Corps Korean War veteran, he taught marine endocrinology and physiology at the University of South Florida and was later a commercial fisherman.

**Ronald Short**, AFNR '57, of Farmington, Mo., Sept. 13, 2011, at age 73. A U.S. Army veteran, he owned Dicus Drugs from 1971 to 2003.

**John Sinopole**, BS EE '57, of Huntsville, Ala., Dec. 17, 2011, at age 81. A U.S. Army Korean War veteran, he was a civil servant for the U.S. Army Missile Command.

**Jacqueline McPhail Van Zant**, BA '57, of St. Joseph, Mo., June 27, 2011, at age 78.

**A. John Anderson**, BS Ed '58, M Ed '57, of Lakeland, Fla., Sept. 6, 2011, at age 87. A U.S. Army Air Forces World War II veteran, he was a Presbyterian minister.

**Alton Brookreson**, BA '58, MS '59, MD '63, of San Antonio Sept. 18, 2011, at age 76. He formed the Brookreson Medical Clinic and the BHC partnership.

**Rudy Davidson**, BS Ag '58, of Adrian, Mo., Sept. 5, 2011, at age 74. He was a high school and vocational agriculture teacher.

**John Gwin**, BS '58, of Kansas City, Mo., Nov. 5, 2011, at age 74. An Alpha Gamma Sigma member, he was a grain buyer for International Multifoods.

**James Kirkham**, BS Ed '58, of Leawood, Kan., Oct. 15, 2011, at age 74. He was a U.S. Marine Corps Vietnam War veteran.

**Adele Kirshner Pilsch**, BJ '58, of San Francisco Oct. 19, 2011, at age 74. She was a journalist, writer, clay artist and small-business owner.

**Donald Poore**, BS Ag '58, of Columbia Nov. 4, 2011, at age 79. A U.S. Army Korean War veteran, he was an asphalt estimator for multiple companies.

**Betty Cook Rottmann**, BJ '58, of Fayetteville, Ark., Oct. 26, 2011, at age 89. She was a librarian at the Columbia Public Library and later worked for the MU Office of Public Information.



**Wayne Black**, BS PA '59, of McLean, Va., Nov. 9, 2011, at age 74. A Delta Upsilon member, he was a U.S. Army veteran and a managing partner for the telecommunications group at Keller and Heckman LLP in Washington, D.C.

**Harold Fowlkes**, BS CiE '59, of Harrisonville, Mo., Dec. 9, 2011, at age 84. A U.S. Navy Korean War veteran, he was an engineer with the U.S. Army Corps of Engineers.

**James Long**, BS Ed '59, M Ed '60, of Covington, Ky., Nov. 7, 2011, at age 74. He coached cross-country and track and field at Knob Noster (Mo.) High School.

**Richard Peerson**, BS Ed '59, of La Mesa, Calif., Nov. 19, 2011, at age 74. He was a counselor at San Diego Mesa College.

**Hadley Brueske**, BS Ag '60, of Sullivan, Mo., Sept. 20, 2011, at age 73. He was a teacher, farmer and later director of Eaton Funeral Home.

**Roy Clawson**, BS Ed '60, M Ed '66, of Sandpoint, Idaho, Aug. 11, 2011, at age 73. He taught math and coached football in Meadville, Mo., then he taught for the Department of Defense dependents schools in Ethiopia, Germany, Turkey and England.

**Donald Cox**, BS '60, of Terre Haute, Ind., Nov. 15, 2011, at age 74. He was a plant manager at Ampacet.

**David Jelden**, EdD '60, of Greeley, Colo., Sept. 30, 2011, at age 80. He taught industrial arts in several high schools, St. Cloud (Minn.) State College and the University of Northern Colorado.

**George Jordan**, BS BA '60, of Ponte Vedra Beach, Fla., Oct. 21, 2011, at age 73. A U.S. Army veteran, he worked at the Leo Burnett Co. advertising agency.

**Rex Parsons**, BS ME '60, of Denver Oct. 24, 2011, at age 79. A U.S. Marine Corps veteran, he worked at Ball Aerospace and Martin Marietta Materials.

**Robert Wooldridge**, EdD '60, of Flagstaff, Ariz., Nov. 12, 2011, at age 88. A World War II veteran, he was a professor at Eastern Washington State College, the department chair of industrial education at Northern

Arizona University and chief technical adviser to the government of East Pakistan.

**Betty Banning Batschelett**, BS MT '61, of Columbia Sept. 1, 2011, at age 72.

**David Lawson**, JD '61, of Marshfield, Mo., Sept. 11, 2011, at age 77.

**Earl Gates**, MA '62, of Appleton, Wis., Sept. 30, 2011, at age 79. A U.S. Army veteran, he worked in data processing at McDonnell-Douglas and GTE Data Services and Supply.

**Thomas McVicar**, MBA '62, of Broomfield, Colo., Sept. 20, 2011, at age 79. A U.S. Army veteran, he worked for engineering firms.

**Allen Robinson**, BS Ag '62, DVM '66, of Palmyra, Mo., May 5, 2011, at age 71. A U.S. Army Vietnam War veteran, he owned the Palmyra Veterinary Clinic.

**Jerry Vedvik**, MA '62, PhD '65, of Windsor, Colo., Sept. 28, 2011, at age 74. He taught French and literature at the University of Indiana, George Washington University and Colorado State University.

**Janet Selig Bogdanor**, BS Ed '63, of St. Louis Oct. 9, 2011, at age 70. She was a Tri Delta member.

**Susan Jones Braucher**, BS Ed '64, of Miami Oct. 7, 2011, at age 71. She was a teacher at Emerson Elementary School.

**Ronald Cockrell**, BS Med '64, of St. Louis Sept. 30, 2011, at age 73. He was a professor at St. Louis University.

**Harold Moyer**, MS '64, of Bettendorf, Iowa, Oct. 7, 2011, at age 72. A U.S. Army Vietnam War veteran, he was a program manager for the Rock Island Arsenal.

**Thomas Bennett**, MS Ed '65, PhD '69, of Bowling Green, Ohio, Oct. 30, 2011, at age 74. He was a U.S. Army veteran.

**Robert Davis**, BS Ed '65, of Kansas City, Mo., July 21, 2011, at age 74.

**Gary Eagan**, BA '65, MA '69, of Eureka Springs, Ark., Sept. 11, 2011, at age 68. He founded Spring Street Pottery in 1970 and created pottery for 40 years.

**Arthur Smith**, BJ '65, of Stuart, Fla., Oct. 30,

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### PUBLISHING SCHEDULE:

Issue Date	Space Reservation	Materials Due	Publication Date
Summer '12	April 6	April 16	June 4
Fall '12	June 26	July 9	Aug. 24
Winter '13	Sept. 14	Sept. 24	Nov. 23
Spring '13	Jan. 7	Jan. 17	March 4

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2011, at age 68.

**Karen Chelf Tieman**, BS Ed '65, of Manhattan Beach, Calif., Sept. 29, 2011, at age 68.

**Jean Books**, M Ed '66, of Maryland Heights, Mo., Sept. 10, 2011, at age 69. She taught in Arizona and California, and in the Pattonville School District in St. Louis County.

**Joseph Davison**, BA '66, of West Chester, Pa., Sept. 27, 2011, at age 68. A U.S. Navy Vietnam War veteran, he worked for Bell Telephone Laboratories and its successor, Lucent Technologies.

**Arthur Froburg**, MA '66, of Berlin, N.H., Oct. 26, 2011, at age 72. He worked in mental health and developmental services in Littleton, N.H., and Berlin.

**Fred Snider**, M Ed '66, PhD '68, of Cape Girardeau, Mo., Oct. 2, 2011, at age 72. He taught math at Cape Girardeau Public Schools and psychology at Western Illinois University in Macomb, and he was an administrator at Southeast Missouri State University.

**John Albright**, BS BA '67, of Warrenton, Mo., Nov. 2, 2011, at age 67.

**Allen Anke**, MS '67, of La Salle, Ill., Sept. 6, 2011, at age 70. He was a licensed clinical social worker at La Salle County Mental Health Center.

**Larry Edwards**, BS CIE '67, of Columbia Sept. 19, 2011, at age 70. He was MU assistant vice chancellor of facilities and director of Campus Facilities.

**Harold Briscoe**, BJ '67, of Richardson, Texas, Aug. 20, 2011, at age 73.

**Kenneth Brown**, BS BA '68, of Sammamish, Wash., Oct. 26, 2011, at age 65. A U.S. Army Reserves veteran, he was director of information technology at CH2M Hill.

**Robert Lintern**, BS Ag '68, of Morris, Ill., Nov. 6, 2011, at age 65. He was a U.S. Army veteran.

**Arlyn Sukut**, MBA '68, of Inverness, Fla., Oct. 10, 2011, at age 78. A U.S. Air Force veteran, he taught ROTC at Citrus High School.

**Arneida Houston**, M Ed '69, of Kansas City, Mo., Sept. 17, 2011, at age 67. She taught at several historically black colleges, including Meharry Medical College in Nashville, Tenn.; Bethune-Cookman College in Daytona Beach, Fla.; and Dillard University in New Orleans.

**John Hoyer**, MA '69, of St. Louis Nov. 3, 2011, at age 85. He taught speech, drama and English at Lutheran High School.

**Karen Owens Pletz**, BS '69, JD '77, of Kansas City, Mo., Nov. 22, 2011, at age 64. A senior vice president of several divisions at Central Bank Co., she was later president of the Kansas City University of Medicine and Biosciences.

**Elizabeth Dulligan Slocum**, BJ '69, of Milwaukee Oct. 5, 2011, at age 64. She was an editor at *The Milwaukee Journal*.

**Walter Strode**, BA '69, of Tulsa, Okla., Oct. 19, 2011, at age 63. He was a doctor of osteopathic medicine.

**Thomas Clevenger**, BS BA '70, of Topeka, Kan., Oct. 20, 2011, at age 69. He was a professor and teacher at Washburn University, the University of Memphis

(Tenn.), Virginia Commonwealth University in Richmond, Va., and Southeast Missouri State University in Cape Girardeau, Mo.

**Katherine Nunnally**, BA '70, of Kansas City, Mo., Sept. 29, 2011, at age 63. She was managing attorney for three offices at UAW Legal Services.

**Pamela Hemenway Simpson**, MA '70, of Lexington, Va., Oct. 4, 2011, at age 65. She was a professor of art history at Washington and Lee University.

**Lynn Davis**, BA '71, of Lenexa, Kan., Sept. 20, 2011, at age 64. He taught math in the Kansas City (Mo.) School District, and he was an assistant prosecutor for Jackson County (Mo.).

**Gregory Mitchell**, BS Ag '71, Blue Springs, Mo., Oct. 16, 2011, at age 62. He owned and operated Medicine Shoppe (formerly Walker Drugs) in Lexington, Mo.

**Steven Rankin**, BA '72, of Four Seasons, Mo., April 27, 2011, at age 60. A Kappa Alpha member, he was a claims manager for Allstate Insurance in Chicago; Denver; Leawood, Kan.; Omaha, Neb.; and St. Louis for 34 years before retiring in 2006.

**Leslie Saylor**, BA '72, of Milwaukee Oct. 4, 2011, at age 67. A U.S. Marine Corps veteran, he worked for the U.S. Postal Service.

**Stephen Bozeka**, BS FW '73, of North Canton, Ohio, Sept. 28, 2011, at age 60. He was a sales representative with Riddell Corp.

**Thomas Lamming**, BS BA '75, MBA '78, of Englewood, Colo., Sept. 24, 2011, at age 58.

**David McKay**, BS BA '76, of St. Louis Nov. 24, 2011, at age 58. He was an investment adviser.

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Columbia, MO Sonya Addison, MD '08

**Christopher Corrigan**, BS HE '77, of St. Louis  
Oct. 1, 2011, at age 57.

**Anita Harkins**, BJ '77, of Acworth, Ga.,  
Sept. 15, 2011, at age 57. She was a writer,  
editor and manager at *The Atlanta Journal-Constitution*.

**Kathryn Kerwin Schembri**, BS Ed '77, of  
Kansas City, Mo., Nov. 1, 2011, at age 61.

**Morrison Oduye**, BES '78, M Ed '84, EdSp '85,  
EdD '88, of Columbia Aug. 11, 2011, at age 78.

**Robert Lee Baker**, BS BA '81, of Winter  
Haven, Fla., Oct. 14, 2011, at age 54.

**Noble Barker**, M Ed '82, of Drury, Mo.,  
Sept. 25, 2011, at age 66.

**John Doherty**, PhD '82, of Sweetwater, N.J.,  
July 30, 2011, at age 58. He was a professor  
of biology at Stockton State College, Ocean  
County College and Villanova University in  
Philadelphia.

**Janet Esrock**, BS Ed '83, of Chesterfield,  
Mo., Sept. 11, 2011, at age 50. She was a math  
teacher and field hockey coach at Whitfield  
School in Creve Coeur, Mo.

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**Martha Taylor Estes**, MA '83, of Springfield,  
Mo., Sept. 3, 2011, at age 65. She was a  
librarian at Central High School.

**Christo Popff**, MA '83, of Santa Fe, N.M.,  
Nov. 19, 2011, at age 90. A medical illustrator  
and librarian, Popff has had paintings dis-  
played in Bulgaria, Brazil, Canada and the U.S.

**Jeffrey Scott**, MA '83, of Palm Desert, Calif.,  
Aug. 29, 2011, at age 83.

**Clara Ballenger Thomas**, BS Ed '83, of  
Columbia Nov. 1, 2011, at age 75.

**Stephanie Brennan MacEwen**, BA '85, of  
Wrentham, Mass., Nov. 6, 2011, at age 48. She  
was a preschool teacher.

**Cynthia Comegys**, M Ed '91, of Boonville,  
Mo., Sept. 5, 2011, at age 61. She was a teacher  
at Boonslick Technical School and Boonville  
High School.

**John Tuohy**, BS BA '91, of Spring Grove,  
Minn., Sept. 12, 2011, at age 51.

**Sarah Ferguson Hock**, BFA '93, M Ed '03, of  
Ballwin, Mo., Sept. 12, 2011, at age 51. She was  
a preschool and art teacher.

**Virginia Townsend Morgan**, MA '93, of  
Columbia Aug. 30, 2011, at age 63. She

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Don Henderson mba'69

co-founded Show Me Dharma, a center for  
meditation.

**Victoria Milazzo**, BS '94, of Clark, Mo.,  
Oct. 17, 2011, at age 61.

**Andrew Somora**, BS BA '95, of Kansas  
City, Mo., Oct. 28, 2011, at age 38. He was a  
corporate secretary in the legal department  
of H&R Block.

**Diana Flygare**, M Ed '00, of Fairmont, Minn.,  
Oct. 18, 2011, at age 60.

### Weddings

★**Jennifer Kothe-Willoughby**, BS HES '94,  
and Sean Willoughby of Lenexa, Kan.,  
Aug. 7, 2010.

★**Tamsyn Jones**, MA '06, and **Christopher Witte**, BS FW '00, MS '08, of Ames, Iowa,  
Oct. 29, 2011.

**Adrienne Cope**, BS BA, BS Acc '07, and  
**Stephen Eifler**, BS BA '05, of St. Louis  
Oct. 1, 2011.

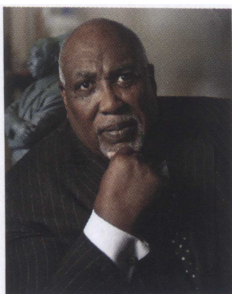
**Brian Horneyer**, BA '08, and **Allison Tippet**,  
BS BA '08, of St. Louis Aug. 27, 2011.

**Allison Mack**, BS Ed '08, and **Richard Raney**,  
BA, BA '08, of Kansas City, Mo., Nov. 5, 2011.

**Theresa Bohnert**, BS Ag '09, and **Jay Johnson**,  
BS Ag '09, MS '11, of Ames, Iowa, Oct. 22, 2011.



## Mizzou shares the dream



**Ty Christian**

### AS CHIEF MARKETING STRATEGIST

on the Martin Luther King Jr. National Memorial Project Foundation, Ty Christian shares more than just “the dream.” Christian, BA ’77, of Orlando, Fla., was integral to immortalizing the famed civil rights leader with a 30-foot granite monument dedicated Oct. 16, 2011, in Washington, D.C.

To further honor King, Christian presented his alma mater with an 18-inch bronze replica of the original stone statue sculpted by Chinese master sculptor Lei Yixin. For now, the handsome miniature will tour several campus buildings.

Although Christian has rubbed elbows with billionaire media moguls and presidents, it was his grandmother, Ida Mae Randall, who instilled in him an appreciation for opportunity.

“She felt and dealt with the humiliation and disrespect of racism,” says Christian, managing partner of the marketing firm TRC Consulting Group. “And like Dr. King, she used self-confidence and respect for one’s self as a primary tool to overcome the challenge.”

Adding some edgy levity to the Jan. 25, 2012, Missouri Theatre ceremony was Larry Wilmore, correspondent for *The Daily Show with Jon Stewart*. The audience also viewed several commercials Christian’s group created to promote the project. His efforts ultimately raised \$118 million.

Yet, Christian credited the woman who helped raise him.

“She was consumed with the fact that she was equal to everyone,” he said. “Not better. Not worse. Equal.” — *Marcus Wilkins*



Photo by Rachel Coward

Mizzou alumnus Ty Christian gave his alma mater an 18-inch bronze replica of the 30-foot statue of Martin Luther King Jr. that stands in Washington, D.C.



# *Insuring a bright future*

*Brenda West is creating her own Mizzou Legacy*

**Brenda Rapp West, BS Ed '73,** knows the importance of insuring the future. After graduating from the MU College of Education, she served as director of campus activities for a small college. From there, she took the coaching, teaching, and personal skills she acquired to start a career in insurance, eventually running her own agency.

Having grown up in rural mid-Missouri, West wanted to see students from similar backgrounds receive the opportunity for a world-class college education from MU. "My parents took me to all the games, so I grew up with MU," says West, who played point guard for the MU women's basketball team. It was with pride and appreciation that West received the Ruby J. Cline Outstanding Junior Major Scholarship, named in honor of the retired faculty member at the MU College of Education. "I knew then that I wanted to be able to give that opportunity to other students," West says.

Inspired by the scholarship she received, West established the Brenda Rapp West Endowed Scholarship Fund. Each year, she enjoys knowing her scholarship helps deserving students move closer to achieving their academic goals. West plans to strengthen the impact of her endowment with a bequest through her estate.



For information about how to establish your own Mizzou Legacy through an endowment or bequest giving, call 1-800-970-9977 today. Please visit our website at [bequest.missouri.edu](http://bequest.missouri.edu), or email: [giftplanning@missouri.edu](mailto:giftplanning@missouri.edu).





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AND COMMITMENT TO EXCELLENCE HAVE EARNED  
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## 2011 MISSOURI QUALITY AWARD



 **Health Care**  
*University of Missouri Health System*