

# MIZZOU

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## The Man Behind the Building

Academic Hall burned in 1892. From its ruins rose today's nimble, modern university — an academy anchored by the domed building named for Richard Jesse, who re-envisioned MU for the challenges of a new century. 30







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## FIRST LOOK

### CONFECTION PERFECTION

A great pastry chef must be a visual artist as well as a culinary one. With most prepared food, customers trust in the menu's description and order on faith. But in a bakery, the offerings are on full display in the glass case. They have to sell themselves. Two-time James Beard Award Semifinalist for Outstanding Baker Nathaniel Reid, BS Ag '03, learned presentation and taste from the world's finest chefs at Le Cordon Bleu in Paris. But the rest of what makes his Kirkwood, Missouri, bakery a resounding success — the business and management and disciplined work — he learned at Mizzou. "Every customer who comes in the door is important," he says. "My job is to give the best food and best service I can. Whether it's busy or slow, I get up to make my stuff. I did my job every day. The awards followed."



ERIK KELLAR



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## CONTRIBUTORS



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**Tony Rehagen**, BA, BJ '01, has written for *GQ*, *The Columbia Journalism Review* and *Next Wave: America's New Generation of Great Literary Journalists*. He takes us back 100 years to Mizzou's first Olympic medal. Page 40.



**Carson Vaughan's** writing has appeared in *The New York Times*, *The New Yorker*, *The Atlantic*, *The Paris Review Daily* and *Outside*. He profiles physician-lawyer-photographer Steve Wallace. Page 16



### About the cover

Richard Henry Jesse signed on to lead MU in 1891 and quickly set about transforming it into a modern research-based institution where faculty not only impart knowledge but also expand it. Page 30. Photo by Notley Hawkins, MFA '90

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## FROM THE DIRECTOR



# A Health to Thee

Greetings from my makeshift “Mizzou-ified” home office. Like many of you, our team is working remotely during COVID-19’s social distancing phase. The pandemic upended a traditional spring semester on campus, as we all followed developments around the world.

With safety as its top priority, the campus response was swift. In-person classes halted 10 days before spring break. That same week, our advancement leadership team decided to postpone Mizzou Giving Day. Next, faculty, staff and students made the switch to online classes over a long weekend. It was announced soon after that classes would remain online for the remainder of the semester. All university-related travel and in-person events were canceled, and faculty and staff were assigned to work from home. During this time, we also learned of the departure of former Chancellor Alexander Cartwright and the installation of UM System President Mun Choi as interim chancellor.

With a little time to reflect on Mizzou’s response to the pandemic so far, a few things stand out.

I appreciate how university leadership moved decisively with the community’s best interests in mind. No instruction manual exists for a situation like this. Notably, campus remained open, includ-

ing residence halls and dining services for students who needed to stay. This was a challenge but the right thing to do.

MU Health Care, our academic health center, has stepped up in a major way to deal with the pandemic. From drive-through testing to daily care, it has been a shining star for our university, community and state. We must never take this resource for granted.

My heart goes out to individuals and families dealing with COVID-19. The pandemic’s effects on our health and economy are generational. My heart also breaks for our students, especially seniors who won’t see out their last semester at Mizzou. Commencement weekend is a magical time on our campus. I look forward to the day we can gather once again to celebrate our shared bond as Tigers.

And so, fellow Tigers, I hope this edition of MIZZOU magazine brings you comfort in these times. Our work at MU continues. From my home to yours, here’s a health to thee.

**TODD MCCUBBIN, M ED '95**

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### Statements of Purpose

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.

MIZZOU magazine reports credible and engaging news about the University of Missouri community to a global audience.

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### 2019 Bronze Award

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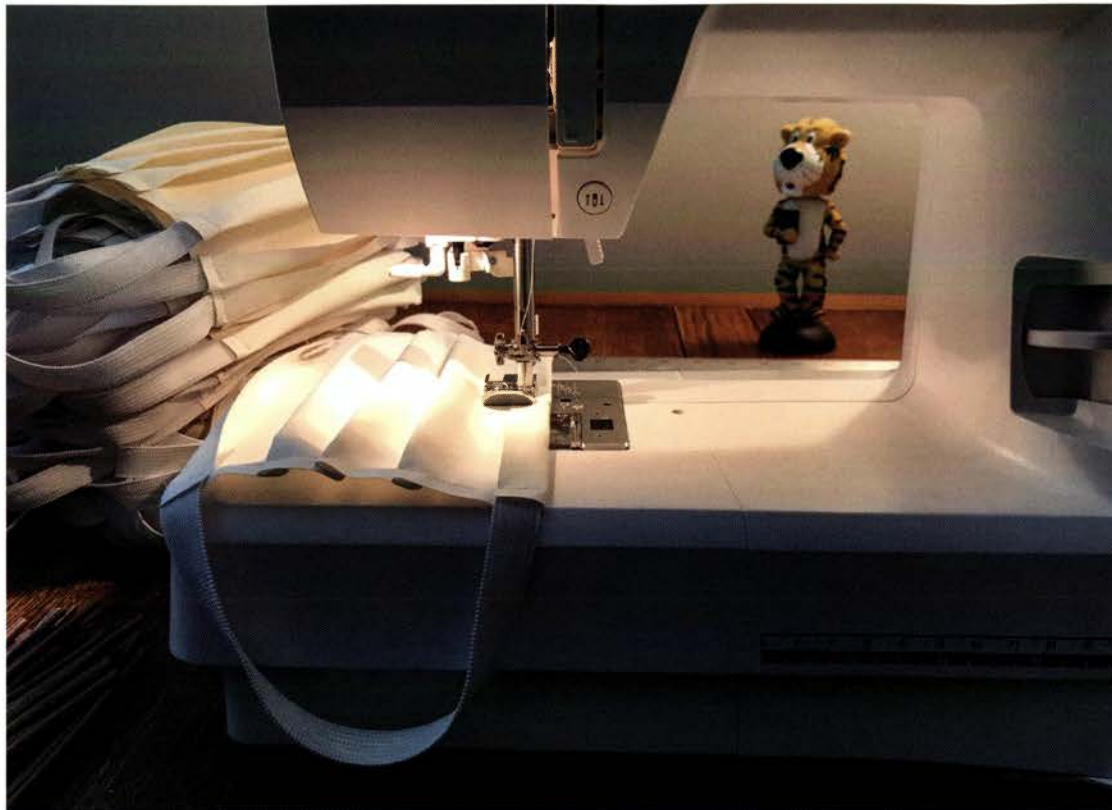
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† A Daasanach Tribe boy in Ethiopia's Omo Valley herds goats out of his village toward a grazing area. Find more of Steve Wallace's photos on Page 16.

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**BY TONY REHAGEN, BA, BJ '01**





## AND SEW IT GOES: TIGERS TO THE RESCUE

As chief nursing officer and co-leader of University of Missouri Health Care's COVID-19 incident command team, Mary Beck, MS '84, wields considerable resources. Her teams have employed those assets to quickly set up video consultation for patients feeling ill, drive-through COVID-19 testing and efficient pathways for patients who need to be admitted for care. Still, Beck worries about the paucity of certain supplies — protective masks, gowns and gloves — in her tool belt. "Fear of not having enough protective equipment is the toughest thing," she says. "The safety of our staff is No. 1 because we have to have staff to care for patients."

In response, Beck has tapped into a powerful asset: the community. And that includes plenty of Tigers. Volunteers across mid-Missouri are revving up their sewing machines to produce 100,000 face masks from kits of cloth, wire and elastic. Nursing faculty member Bonnie Wakefield helped design the pattern from which the sewers work.

One of the sewing kits found its way to Melissa Murphy, BGS '98, co-owner of Johnston Paint and Decorating in Columbia. While cutting wire

for the masks at her kitchen table, Murphy brainstormed ways she could leverage her business to help the cause: She contacted vendors for more mask material. She reached out to a coatings manufacturer now producing hand sanitizer and bought four pallets for area hospitals and nursing homes. And she activated the company's vans and drivers to make deliveries. "We can mobilize while the people at MU Health Care are entrenched in caring for the sick," she says.

Murphy is just one of many Tigers pitching in wherever they live. In Springfield, Missouri, Great Southern Bank CEO Joe Turner, JD '89, donated 4,000 N95 masks to the local health care system. In Chicago, Narrative Science COO Nick Beil, BS BA '95, added money to paychecks so employees could support restaurants during the crisis. In Columbia, Matt Beckett, BA '96, engineered PVC cubes as makeshift shields for health care workers, and Orscheln Farm and Home CEO Barry Orscheln, Arts '77, is working with Carhartt to make protective gowns and masks.

"It's a small world," Murphy says. "It's just a matter of thinking about your resource book and how to convert it." — *Tony Rehagen, BA, BJ '01*

### Briefly

The University of Missouri Board of Curators on March 26 appointed UM System President **Mun Choi** as interim chancellor at MU. He replaces Alexander Cartwright, who accepted a position at the University of Central Florida.

U.S. Sen. Roy Blunt announced that a bill passed in December will fund construction of a \$24.8 million building at MU to house **U.S. Department of Agriculture Agricultural Research Service** scientists. These researchers have joint appointments in the College of Agriculture, Food and Natural Resources' Division of Plant Sciences.

Gov. Michael Parson has appointed two MU graduates to the University of Missouri Board of Curators. **Robin R. Wenneker**, BS BA '91, is managing partner of CPW Partnership, a family business that owns farm, rental and raw land holdings. **Michael A. Williams**, BA '95, JD '98, is founding partner of Williams Dirks Dameron LLC, where he specializes in labor and employment law, litigating discrimination and retaliation claims.

Mizzou has earned a 2020–21 **Military Friendly Schools** gold award for its work helping student veterans and their families succeed as students and alumni. This comes on the heels of College Factual calling MU one of the nation's best universities for veterans and of earning honors as a Purple Heart University.



## DATA

# Missourians Are Hungry

New 2019 Missouri Hunger Atlas shows where public and private programs can do better

Hunger can be hard to recognize because the 1 in 7 Missourians who are facing food insecurity can look like anyone — the parent who is in between jobs and sometimes goes to bed hungry so the kids can eat dinner; the retiree who gets sick and must choose between buying medicine or groceries; the 16-year-old student who takes a job, not for spending money but to help feed younger siblings.

In the latest edition of the Missouri Hunger Atlas, the fifth since 2008, researchers at MU's Interdisciplinary Center for Food Security confirm that hunger remains a critical issue, despite improvement from 2016. By compiling county-level data from public agencies, the researchers report on "need" — the prevalence of food uncertainty and eligibility for access to food through public programs. They also assess "performance" — how well programs such as food stamps and free and reduced-price lunches meet the needs of those who lack reliable access to affordable, nutritious food.

— Kelsey Allen, BA, BJ '10

## Need vs. Performance

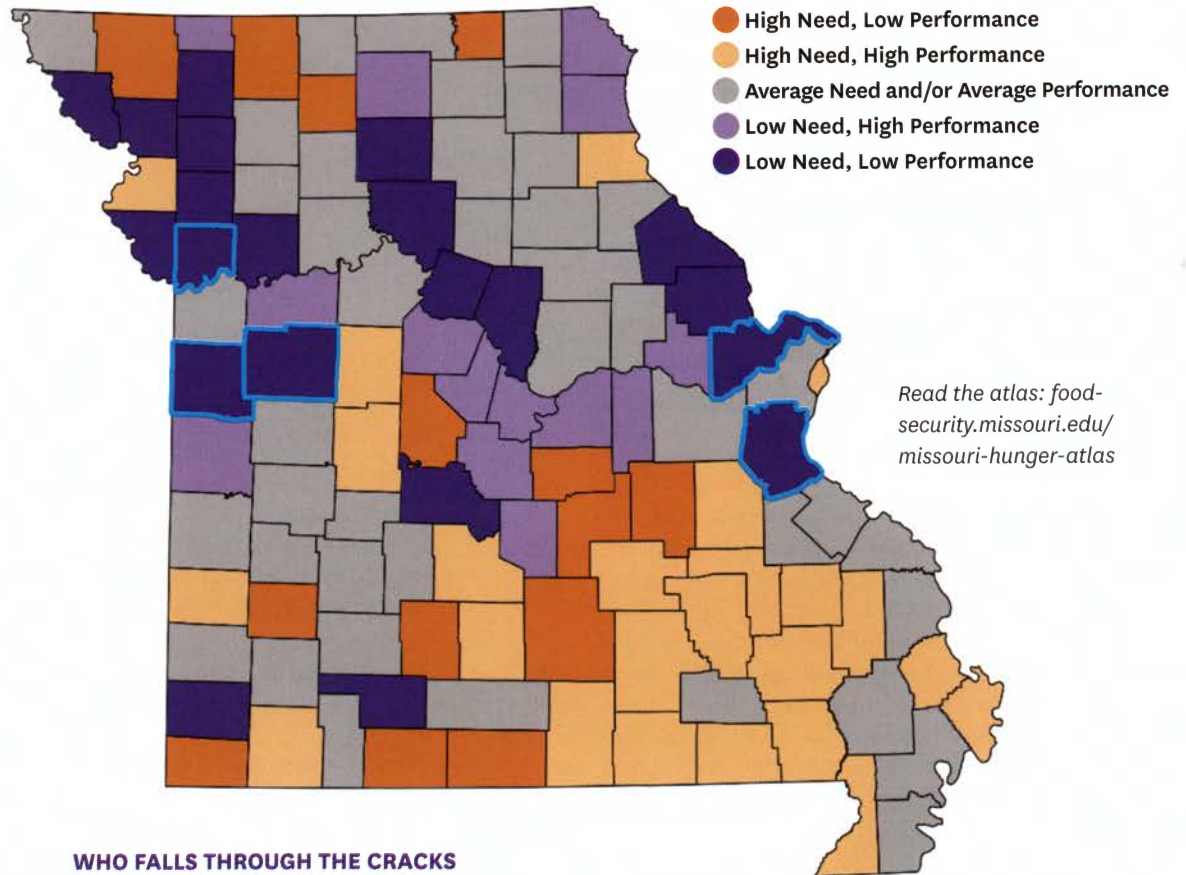
Calculated from 2019 Missouri Hunger Atlas data

### MISSOURI'S FOOD INSECURITY OVER TIME

An all-time high of 1 million Missourians (16.8 percent) were food insecure in 2016. Despite the national economic recovery and lower unemployment since then, about 865,000 Missourians (14.2 percent) continued to suffer in 2019, compared to 11.8 percent nationwide. Missouri's modest improvement surprised Sandy Rikoon, who co-directs the center. "I'm not sure the economic recovery will help a lot in the future unless it results in higher wages," he says.

### POVERTY PREDICTS HUNGER

Poor counties in southern Missouri have up to 23.2 percent of individuals in need. But, Rikoon points out, many Ozark and Bootheel counties also have the highest levels of performance. "Knowing which areas have the highest concentration of people in need, the state has done a good job directing resources there. That's good news."



Read the atlas: [food-security.missouri.edu/missouri-hunger-atlas](http://food-security.missouri.edu/missouri-hunger-atlas)

### WHO FALLS THROUGH THE CRACKS

The bad news is that suburban counties around St. Louis and Kansas City — **St. Charles, Lincoln, Jefferson, Clay, Cass, Johnson** — are low-performing areas. Although they are technically "low need," these counties are heavily populated, which means many people are still at risk of hunger. "If you're poor and food insecure in those counties, you're likely to fall through the cracks," says Rikoon, adding that stigma may deter some from seeking assistance.

### POLICYMAKERS RELY ON THE ATLAS

Policymakers use the atlas to make decisions about where to invest funding and resources. One example: In February 2020, Rikoon testified using atlas data before the Missouri House of Representatives Urban Issues Committee regarding a bill to authorize tax credits to establish a grocery store in a food desert. As a next step, Mizzou researchers are conducting the first comprehensive statewide study of households that use food pantries. The results will provide further insights for food banks and policymakers.





## MUSIC CENTER OPENS ON HIGH NOTE

Students and faculty in the School of Music have something new to sing about. Since January, they have been raising their voices and tuning their instruments in a new 47,000-square-foot building, the Jeanne and Rex Sinquefield Music Center. Located on the corner of Hitt Street and University Avenue, the \$24 million structure was made possible by a \$10 million lead gift from the Sinquefields. Other private donors contributed \$6 million to the project, and the remaining \$8 million came from campus funds.

The center consolidates teaching and learning that had long unfolded in classrooms and studios across five campus buildings, most of which were not designed for music study. “It’s a total game-changer that supports a new level of professionalism for our students,” says Julia Gaines, who directs the music school. “We no longer have to apologize for our facilities.”

The building’s design, including open spaces, high ceilings, balconies and expanses of glass, blends seamlessly with its advanced acoustic engineering. For instance, walls and ceilings in practice and performance areas aren’t flat and

↑ The newly opened \$24 million Jeanne and Rex Sinquefield Music Center sits at Hitt Street and University Avenue. It consolidates classrooms and offices formerly scattered across campus.

straight; rather, they feature barely perceivable curved surfaces, which reduce unwanted echoes and low-frequency distortions. The center boasts acoustically isolated rehearsal and performance spaces, as well as classrooms, a recording studio and administrative offices. It has 26 practice rooms, 13 computer lab stations, and rehearsal spaces for large and small ensembles.

The Sinquefield Music Center is the first new building in the College of Arts and Science since 1972. “More than a building, it’s a music center that will attract the very best talent to MU,” says Patricia Okker, dean of the college.

Two exterior plazas will serve as performance venues that help foster a cultural corridor between downtown Columbia and the university. A second phase of construction, now in the planning stage, would add a 500-seat concert hall plus other performance spaces.



## Twitter Buzz About #Mizzou

### @MizzouUGStudies

Congrats to @MUJimSpain, #Mizzou’s vice provost for undergraduate studies, who is one of @IngramsMagazine’s “Icons of Education” for 2020. His enthusiasm for student success and all things black and gold made him a natural choice for the KC magazine.

### @wojespn

Jontay Porter, a rookie F/C out of Missouri, has signed a multi-year deal with the Grizzlies, his agent Mark Bartelstein of @PrioritySports tells ESPN. Porter rehabbed two separate knee injuries, but has progressed well and is expected to be ready for training camp next season.

### @mumedicine

Researchers receive \$3.5 million grant to study interventions for family caregivers of people with Alzheimer’s disease and other dementias.

### @GaryPinkel

Sad to hear about former @MizzouFootball coach and player Woody Widenhofer!! He was a great man that Mizzou will always remember!!

### @TheSECU

NEWS | Dr. Anthony Lupo, Professor of Atmospheric Science, wins the 2020 @SEC Faculty Achievement Award for @Mizzou. #ItJustMeansMore

### @MizzouAthletics

The University of Missouri, I hold close to my heart. That’s a great place. — @Chiefs head coach Andy Reid.



# Cool Duds

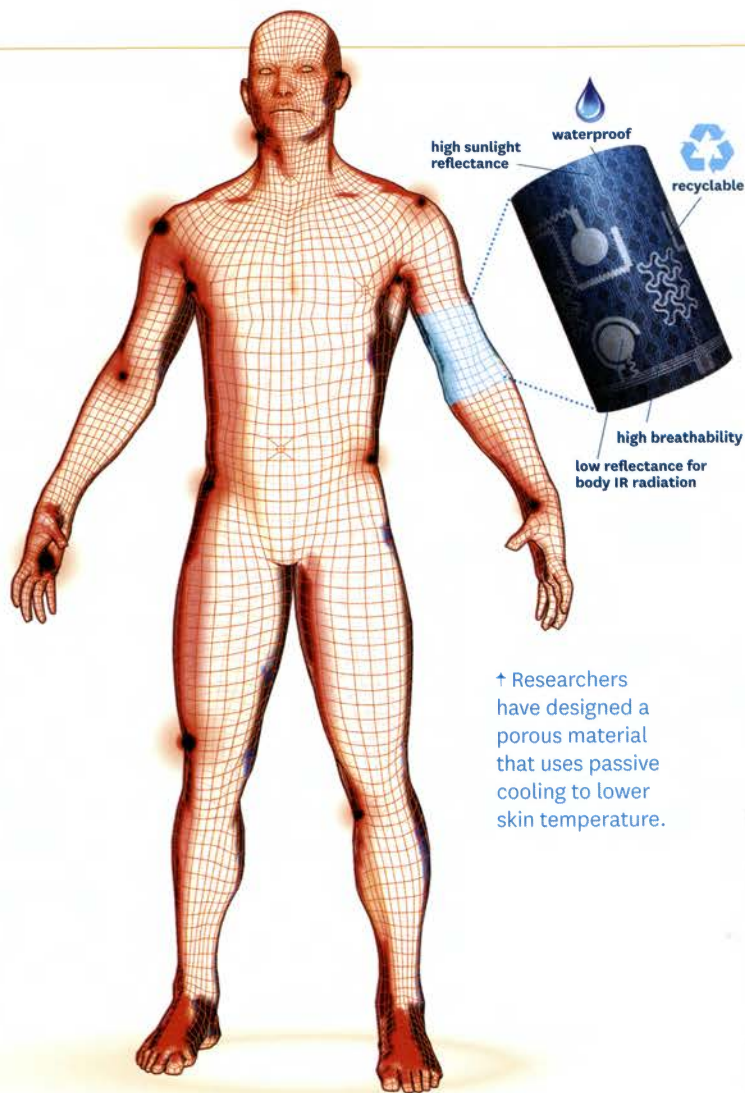
Football players, construction workers and soldiers on the battlefield all face a common threat — heat stroke or exhaustion. One day, they could stay cool using wearable air conditioning in the form of an adhesive-free stick-on device that cools the body without fans or a power source.

The porous patch designed by MU engineers uses a process called passive cooling to lower skin temperature. The patch is made of a high-tech, recyclable material that backscatters sunlight to minimize heat absorption. “Meanwhile, the heat produced by the body can still dissipate through the patch and won’t be trapped underneath,” says Zheng Yan, an assistant professor of engineering who helped develop the technology. “As a result, the patch-covered body areas exhibit temperatures around 11 degrees Fahrenheit lower than the exposed skin.”

The device also has biomedical sensors that monitor vital signs — including blood pressure, skin temperature and heart activity — and send a warning when wearers are at risk of overheating or overexerting themselves. The developers believe theirs is the first on-skin device with this dual functionality.

The current version of the device cools the body region covered by the patch, and the biomedical sensors are electronic. Researchers’ next steps include developing a wireless version and integrating the technology into clothing so it can cool the whole body.

With average outdoor temperatures rising, “the cooling property can benefit the general public,” Yan says. “Maintaining body temperature in the normal range in hot weather is one of the most basic needs for life.” — Dawn Klingensmith, BA, BJ '97



↑ Researchers have designed a porous material that uses passive cooling to lower skin temperature.



## GIVING VOICE

Steven Qualls’ dreams of being a pro basketball player were crushed in high school. The smaller-statured point guard was often overlooked by coaches. But he was a strong writer. So, the Milwaukee native came to Mizzou in hopes of learning how to tell stories about sports and the people who play them.

“Athletes are often misunderstood and dehumanized,” says Qualls, who raced home every day after middle and high school to watch ESPN. “I would see how scrutinized a lot of athletes are simply because they have a platform. Athletes have a platform, but they need a voice.”

Through his digital storytelling coursework, Qualls, BA '18, not only learned how to use the latest multimedia tools but also how to build rapport, cultivate relationships and translate experiences into stories. All those skills come into play in his role as host of the “Inside Mizzou” podcast.

Now a graduate student in the Department of Educational, School and Counseling Psychology, Qualls wants to combine his love of sports, background in storytelling and training in positive coaching to make sure athletes’ needs are understood and to become a positive leader in sports.

“I’ve always had this desire to understand somebody’s story, where they’re coming from and what they personally need to be successful,” Qualls says. “Everybody deserves to have a voice.” — Kelsey Allen, BA, BJ '10





↑ Agriculture class circa 1901

## CAFNR Turns 150

The College of Food, Agriculture and Natural Resources (CAFNR) turns 150 this year, and, from modest beginnings, it has grown into an institution with world-renown programs and multimillion-dollar research grants. An \$8.6 million grant received last June establishes the new Swine Somatic Cell Genome Editing Center for swine research that translates into treatments for human diseases. Its discoveries will add to a 150-year history of CAFNR serving Missouri and the world.

As part of a land-grant university since 1870, the college's mission always has been to conduct problem-solving research for the public's benefit. Just last year, the college launched its Drive to Distinction strategic plan to help solve local and global challenges.

One MU researcher had that ambition as far back as 1874. Charles Valentine Riley, MU's first entomology professor, taught farmers how to control locusts. His research also helped save California's citrus industry and France's wine industry from pest infestations. In 1885, animal sciences researcher John Connaway collaborated with Texas A&M to control the Texas fever epidemic in cattle. His research with

Texas fever and hog cholera led to controlling malaria and yellow fever in humans. In the 1940s, an antibiotic discovered in a soil sample from Sanborn Field — CAFNR's experimental plots established in 1888 — proved effective against potentially fatal human diseases.

Today's CAFNR researchers have found a way to make A, B and AB blood types universal like rare Type O-negative blood, which can be transfused to patients with any blood type. They're studying the honeybee genome to find genetic markers predictive of resiliency against mites. And they're experimenting with bacteria that metabolize toxic metals and can potentially clean contaminated soils and groundwater.

"Massive changes are happening in agriculture and natural resources," says Christopher Daubert, CAFNR's vice chancellor and dean. He adds that CAFNR is committed to applying "next-generation practices" to manage worsening concerns like feeding a growing population and helping agriculture adapt to climate change. It's all part of a long history of making breakthroughs for the public's benefit. — Dawn Klingensmith, BA, BJ '97

## NextGen Could Generate \$5.6 Billion

Mizzou expects its NextGen Precision Health Institute to make a sizeable impact on the state's economy while it improves the health of patients here and across the globe. The University of Missouri Economic and Policy Analysis Research Center's January 2020 report predicts the institute will create at least a \$5.6 billion impact and add \$227 million to Missouri's general fund over the next 25 years.

When the institute opens at MU in October 2021, it will be the hub of the University of Missouri System's most ambitious research effort ever, spanning all of its four campuses. At Mizzou, the institute will incorporate state-of-the-art technology in its labs and link researchers across academic units into teams that will translate fundamental research into new cures and medical devices. About 60 new researchers will compose the institute's core staff in Columbia. Business partnerships, such as the \$179 million agreement made in July 2019 with the Alliance for Precision Health, will become a model for shared corporate ventures.

Joseph Haslag, the economic study's co-author, says NextGen differs from other projects he has studied because it aims to create new ideas, which, in turn, can accelerate technological progress. "If you get the right set of people working together," he says, "they add value that spills over to other commercial applications, so the impact we project could be even greater."





## FREEZER EVANGELISTS

The sweet smell of success wafts through the Columbia kitchens of Polly Conner, BA '05, M Ed '07, and Rachel Tiemeyer, BS Ed '00, founders of the cooking and family lifestyle brand Thriving Home. Equal parts social media personalities and entrepreneurs, the pair appeared in January on the Hallmark Channel's *Home and Family* show, demonstrating a recipe featured in their new cookbook, *From Freezer to Cooker* (Rodale Books, 2020).

Their website — [thrivinghomeblog.com](http://thrivinghomeblog.com) — is a trove of recipes and timesaving tips for wholesome, home-cooked meals, attracting more than 300,000 views monthly. Conner and Tiemeyer started blogging together in 2012, inspired, in part, by what they had learned from friends who cooked and froze dinners for one another. Self-proclaimed “freezer evangelists,” their media posts and cookbooks feature rigorously tested recipes that remain tasty and intact after freezing.

Before there was such a thing as a social media influencer, the women wrote blogs as a hobby. Conner, whose degrees are in communications and educational counseling psychology, focused on home and family, while Tiemeyer applied her English degree to blogging about food. After becoming friends through their church, they merged their blogs into Thriving Home and specialized in whole-food recipes for busy families. Mothers themselves, Conner and Tiemeyer have benefitted from their own advice, writing two cookbooks while limiting their workweek to spend time with family.



## Smart Maps



Kevin Hunt is a modern-day mapmaker, part of an emerging trend in which geographers lead interdisciplinary research teams whose products help shape governmental decision-making. Unlike old-fashioned maps that only illustrate topography and delineate borders, those Hunt produces present topical knowledge. He employs geographic information systems that integrate many types of data from economists, biologists and other sciences to offer critical information and context.

Hunt, BA '07, MA '09, landed a new position in the USDA's National Agricultural Statistics Service in fall 2019. Soren Larsen, chair of the MU geography department, calls him a lynchpin of the research team. “His research is nationwide in scale now but built on the same type of research he did here at Mizzou,” Larsen says.

In 2014, Hunt began investigating the routes of commercial beekeepers who truck honeybees across the country. Fully one-third of U.S. crops depend on such pollinators. “By combining data with geographic information, you can visualize the actual volume of bees being moved between states,” Hunt says. His map of the honeybee colony movements reached an audience of millions when *National Geographic* included it in an article on the plight of honeybees.

To construct the honeybee migration map, he aggregated every field in the country that relies on commercial pollination services as well as all the uncultivated fields and prairies — areas rich in forage for bees and other pollinators. With this map in hand, conservationists now have part of the information they need to help preserve the habitat of honeybees and native bees alike.

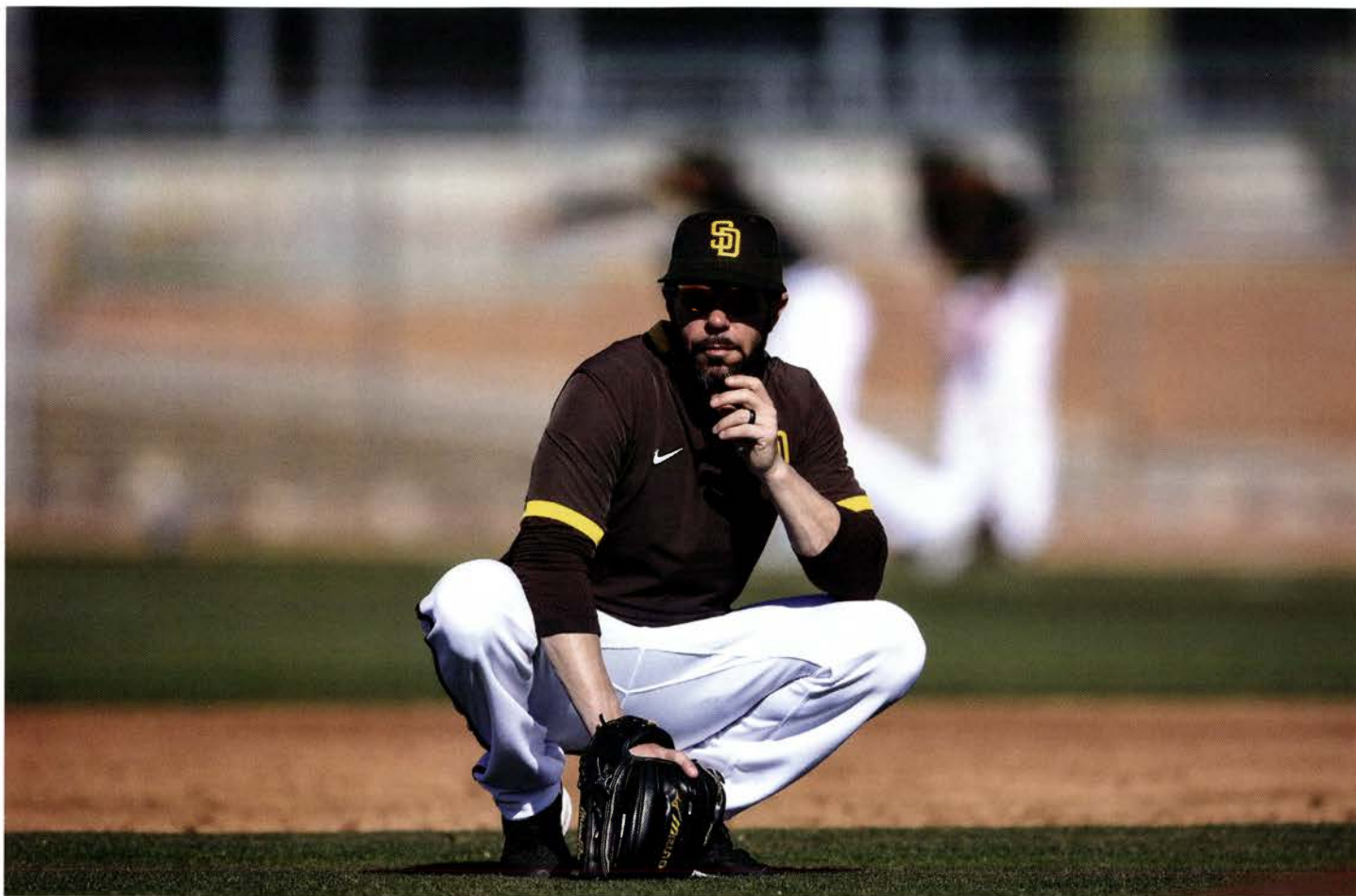
Being a USDA geographer allows Hunt to combine his interest in biology and geography. “A multidisciplinary approach makes for a better understanding of the Earth and how everything is interconnected,” he says.

— Jack Wax, BS Ed '73, HES '76, MA '87



† CoMo alumnae Polly Conner, at left, and Rachel Tiemeyer founded the cooking and family lifestyle brand Thriving Home.





## Ex-Tiger Named Head Baseball Friar

Since 1891, when Mizzou started its baseball program, 45 Tigers have gone on to play in the major leagues. Jayce Tingler, BA '09, isn't one of them. Yet, thanks in part to the lessons he learned over four years patrolling centerfield at Simmons Field, Tingler has accomplished a far rarer feat: He has become a big-league manager.

Last October, the San Diego Padres surprised more than a few baseball insiders when they named Tingler their skipper for 2020. Despite having zero big-league playing time, limited minor-league managing experience and, at 38, being younger than some players, Tingler thinks he's the right person to lead a team that underachieved last year at 70-92. In fact, a career of being underestimated and overlooked might be his strongest asset.

Tingler, the son of two high school coaches, came to Mizzou from Smithville, Missouri, where he had been a four-year all-conference player. Still, when he started for the Tigers as a freshman in 2000, he sent reporters in the Taylor Stadium press box scurrying to discover who this short, lanky kid was and how to pronounce his first name (Jase, not Jay-see). Everyone soon learned as Tingler became an on-base machine, earning a nod as a Collegiate Baseball Freshman All-American. Four years later, he finished his Tiger tenure as the school's all-time leader in hits, walks and runs. But he was always known for his meticulous preparation, his study of the

game and his willingness to work hard — something he says he learned in college ball.

"There was always a blue-collar mentality at Mizzou," says Tingler. "We were more of a norther school, so we had to have the physical and mental toughness to play in the cold weather. We had a lot of Midwestern guys and a manager, Tim Jamieson, who brought a workman-type mentality."

The Toronto Blue Jays picked Tingler in the 10th round of the 2003 MLB draft, but, in the minor leagues, he never progressed beyond Double-A, so he retired as a player after four seasons. He caught on with the Texas Rangers as minor league coach, working his way up to manager of their rookie-level farm club to minor league field coordinator for the whole organization to a major league coach to assistant general manager of the big-league team.

When Tingler got the Padres job, he received congratulatory texts from many of his old Tiger teammates and coaches. And he got a personal nod from MLB All-Star and Mizzou alumnus Ian Kinsler, Agric '03. Upon hiring him, the club's front office cited Tingler's ability to get the most out of players' potential — a skill he first learned on himself back at Mizzou. "I don't know if I ever had the goal of managing," Tingler says. "I just took each job and tried to do the best that I could."

— Joe Walljasper, BJ '92



# The Man in the Gray Furry Suit

As a freshman, Dan Meers, BJ, BA '90, saw an item in *The Maneater* announcing tryouts for Truman the Tiger. On a whim, he gave it a shot. Meers proved to be so good at strutting his stuff and entertaining crowds with his antics that he's never had to work outside of a furry costume.

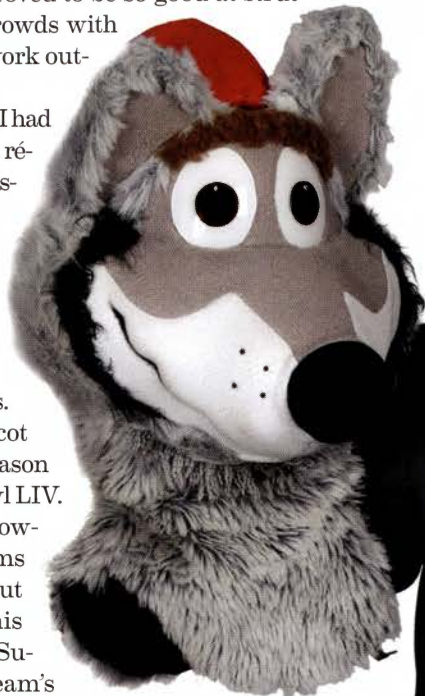
"When I graduated from Mizzou, I had my human résumé and my mascot résumé," Meers says. "I guess my mascot résumé looked a little better."

He spent one year as the St. Louis Cardinals' Fredbird before crossing the state to become the Kansas City Chiefs' KC Wolf, the mischievous mascot with 85-inch hips and googly eyes. Meers, the longest-tenured mascot in the NFL, capped his 30th season with a trip to Miami for Super Bowl LIV.

Unlike a typical Sunday at Arrowhead Stadium, where Meers roams the stands and only watches about half the game from the hole in his costume's neck, mascots at the Super Bowl are confined to their team's sideline and behind the goalposts. So as the Chiefs mounted their late comeback to beat the San Francisco 49ers 31-20, Meers enjoyed the moment like a fan.

"As you get toward the end of a close game, there's nobody watching the mascot anyway," Meers says. "At that point, I said, 'You know what, I've got the best seat in the house right here. I'm just going to watch.' I absolutely loved it."

— Joe Walljasper, BJ '92



→ Dan Meers, the NFL's longest-tenured mascot, ended his 30th season at Super Bowl LIV.



**Out of the Ashes** Jim Maddock, BE '82, lost almost all his possessions, including keepsakes from his days as a pitcher on the Mizzou baseball team, when his home burned on Jan. 8. A few weeks later, he received a package with shirts, jackets and a flag from the Mizzou Alumni Association and athletics department. "I'm not an emotional person," Maddock says, "but it practically brought me to tears."

## Scoreboard

**54** — Consecutive **free throws** made by the Missouri men's basketball team, breaking the NCAA record of 50 that Wake Forest set in 2005. The Tigers made all 31 attempts in a defeat at Alabama and hit their first 23 attempts in a home loss to Texas A&M.

**2** — Number of Missouri women's basketball players named to the Southeastern Conference's All-Freshman team. **Aijha Blackwell** led the Tigers with 15.1 points and 7.2 rebounds per game, and Hayley Frank contributed 12.2 points and 4.0 rebounds.

**9** — Consecutive Mid-American Conference Tournament titles won by the Missouri wrestling team. The Tigers have won the league title every year since joining the MAC in wrestling. Sophomore **Brock Mauler** won an individual MAC title at 149 pounds.

**1,999** — Career major league hits by former Missouri baseball standout **Ian Kinsler**, who retired after 14 seasons. The second baseman was a four-time All-Star and won the World Series with the Boston Red Sox in 2018.

**3,000** — Meters run by former Tiger **Karissa Schweizer** in 8 minutes, 25.70 seconds — a new American record. Only four women in the world have ever run faster in the event.





# Creating a Graceful Legacy

The record-breaking \$1.3 billion *Mizzou: Our Time to Lead* campaign is quickly drawing to a close and with it an inspirational chapter in the university's history of philanthropy. Below, we tell the stories of two lives of the thousands changed by generous donors.

**Of the many childhood trips** to Mizzou Rachel Carlson made, she distinctly recalls the first time she visited the library at the School of Law. "My mom took me inside, and my jaw hit the floor ... just, whoa. I mean, it's beautiful!" she says. Carlson, now a Mizzou student, was 12 years old on that visit, and she decided she was going to study in there one day.

Six years later, as a high school senior from Buchanan County, she attended a ceremony that the Mizzou Alumni Association's Buchanan County chapter organized to honor their collegebound students. The chapter awarded Carlson

the John O. Grace scholarship, named for the late John Grace, BS '58, MS '63 — an award she didn't recall applying for, but she had filled out countless applications that past year.

In the audience sat Grace's widow, Karen. And Karen was excited to meet Carlson.

\* \* \*

Julie Corley's parents, John and Karen Grace, raised her with stories of the family's Mizzou connections — both sets of Corley's grandparents met while attending the university. "My great-grandmother was on campus in 1891, just for





MIZZOU  
OUR TIME TO  
**LEAD**

CAMPAIGN UPDATE

one semester, as far as we can tell, taking classes in Academic Hall,” Corley says. “The Columns are all that’s left of that now. My dad was really proud to have that history going that far back.”

When he died unexpectedly in 2014, Corley and her mother tapped into that history to honor him. In lieu of flowers, donations went to a student scholarship through the association’s Buchanan County chapter. “My mother loved it,” Corley says. “And so we decided to endow it. To keep it going.”

The Buchanan County chapter now awards the John O. Grace scholarship yearly to a student from Buchanan County. Corley’s mother is always at the spring meeting to greet the recipient. “I got to meet Mrs. Grace,” Carlson says. “She was just so happy — Mizzou was such a big part of her husband’s life.” Carlson was charmed by her good humor, as well, when Grace mentioned her status as a KU alumna.

“My dad really engaged with Mizzou through the alumni association,” Corley says. “It enabled him to connect with people from all generations.” Corley now watches her mother form those relationships each spring.

\* \* \*

**Carlson double majors** in Spanish and computer science. “They’re both languages, really, and I love learning new languages,” she says. It’s the first part of a three-part plan that culminates with Carlson joining the FBI.

The second part is graduating from law school because FBI applicants need to have practiced law for two years. She’ll soon be spending more time in the law school library than 12-year-old Carlson could have dreamed.

“College is expensive. I’m paying for it myself, and it’s not like I had a lot of income in high school,” Carlson says. “That gift, any gift, means the world to a student. I made it onto the dean’s honor roll, but if I’d been worrying about finding money for school instead?” She shakes her head. “It would have been so stressful.”

Corley takes comfort in the Mizzou legacy they’ve created for her father. “My dad would love that.”

## Goooooooooooooooooal!

At press time, the *Mizzou: Our Time to Lead* campaign had **surpassed its fundraising target** of \$1.3 billion and has raised \$1,342,122,373. Donations have established 643 new scholarships for 3,092 students. This includes the Missouri Nobel Scholarship, created through the donation of prize winnings from Nobel Laureate George Smith and his spouse, Marjorie Sable. The campaign has also raised \$20.5 million to date for the NextGen Precision Health Initiative and institute, which is estimated to have a \$5.6 billion impact to Missouri’s economy by 2045.

### Campaign Progress

Goal: \$1.3B



\*As of March 5, 2020

## RALLYING FOR A DREAM

**Health sciences major** Dream Dennis knew it wouldn’t be easy to work her way through college. But in July 2019, when a study abroad opportunity cropped up before her senior year, she knew she’d regret not making it happen. “I got to teach kids in South Africa,” Dennis says. “I learned more than I thought possible, but I was paying for it out of pocket.” While away, her bills kept coming in.

Dennis was a semester away from graduation in November 2019 when she had to tell her parents about her financial situation.

“I let them know I was working as many hours, as many shifts as I could, but those daily bills — the groceries and all — were adding up,” Dennis says. “Then Rally Mizzou came through for me.”

Started and initially funded by Mizzou students, Rally Mizzou provides financial assistance to seniors with past-due balances of less than \$2,000 — enough to pay their bills, stay in school and graduate. The average award is \$1,062, and 95 percent of recipients either have graduated or remain enrolled at Mizzou.

Rally Mizzou donor Jim Mendelson, BS BA ’84, had not previously directed where his Mizzou donations should be spent, but something about Rally Mizzou captured his imagination. “There are others giving to Mizzou that have way more resources than I do — they’re adding buildings, naming things, which is all important,” Mendelson says. “But even with what I’m able to give, it’s creating lasting impacts.”

The Rally Mizzou grant covered Dennis’ past-due balance. “It lifted such a huge burden off my back,” Dennis says. “I’m going to graduate.”





A

Third

Act







After successful careers in both medicine and law, most people would happily slip into retirement.

**Steve Wallace,**

now an award-winning photographer, is not most people.

STORY BY  
CARSON VAUGHAN

PHOTOGRAPHY BY  
STEVE WALLACE





← Previous pages: In a rare moment of freedom, three novice monks play along the terraces at the Hsinbyume Pagoda in Mingun, Myanmar.

↓ Below: In Ethiopia's Omo Valley, near the Kenyan border, a young woman from the Hamar Tribe shoos birds from the tribe's sorghum crops with a slingshot.

→ Opposite, top: A cormorant fisherman tosses a net from his bamboo raft on the Li River, near Guilin, China.

→ Opposite, bottom: With Mount Bromo — an active volcano — smoldering in the distance, a local shaman in Java, Indonesia, hikes to a prayer site at sunrise.

When Steve Wallace bought his first camera, a 35 mm Pentax MX, he wasn't dreaming of an armed village in Ethiopia's Omo Valley, a young woman guarding the tribe's flowering sorghum fields with a slingshot, scattering hungry birds beneath an ashen sky. He wasn't imagining a Chinese fisherman casting a net from a bamboo raft, two black cormorants waiting by his side, an eerie fog hanging above

the Li River and shrouding the karst mountains — like stubby fingers bursting through a grave — behind them. He wasn't picturing a barefoot Indonesian shaman wrapped in a purple shawl, face lit by his bamboo torch, the Bromo volcano of Java island belching smoke in the sunset, the whole stunning panorama awash in a purple haze.

No, Wallace, then a pharmacist and first-year medical student at the University of Missouri, thought maybe his dog would do just fine. Maybe a tree in the backyard. "Nothing in particular," he says. But within two months, he was converting his spare bedroom into a darkroom, processing his own film. And go figure: When he entered a local contest — submitting a silhouette of a pray-

ing mantis — he won. The Missouri native who graduated top of his class at University of Missouri-Kansas City pharmacy school, who was now flourishing in medical school and who would later earn a law degree, too, just to better the hospital attorneys, was also a natural photographer.

"He's a craftsman, not just a guy snapping pictures," says Scott Kelby, president and CEO of KelbyOne, an online educational community for photographers. "You take a great composition, add interesting subjects, in a fascinating place, with great color — there's Steve's shot. It all comes together."

After a prosperous career in both medicine and law, Wallace — now technically retired — travels the globe with a camera in his hand: Myanmar, Italy, Peru, Egypt, India, Vietnam, Ethiopia, Indonesia and more — way more. He captures moments of intense joy and sorrow, of pain and contemplation. Portraits of life in every shade. He pays his own way, hires a local fixer, offers his work pro bono to various nongovernmental organizations, from Asia Partners to Saving Moses and others. And go figure: It's good — very good. His work has been chosen for book covers and traveling exhibitions, magazines and donor campaigns, and in 2018, *Smithsonian Magazine* named him a finalist in its 16th annual photo contest, chosen from more than 48,000 entries.

"I think all this is primarily to maintain my sanity in retirement," he says, eschewing the spotlight. "I've always had a nagging feeling I should be doing something productive."













an atmosphere he'd grown to revere. "If I could be any place in the world, I would be on a college campus," he says. "I just feel a sense of peacefulness. You can feel the learning that's going on." By 1990, he'd stacked his resume so tall it would need FAA clearance: a medical doctorate from Mizzou, a residency in anesthesiology at the Maricopa Medical Center in Phoenix, several years of private practice at the Yuma Regional Medical Center in Yuma, Arizona (where he was elected president of the medical staff), and a pain management fellowship at Massachusetts General Hospital-Harvard Medical School. After exposing financial corruption at the hospital in Yuma, he decided to pursue a law degree, too, "just to stick it up their ass."

"I interacted with lawyers a lot, and I found that lawyers' opinions — just by the fact that they're called a lawyer — were worth more than mine. And at times I disagreed with them. I didn't understand why their advice was taken and mine was not."

He earned his law degree from the University of San Diego, still practicing medicine all the while, and passed the California Bar exam in 2002. For the next 10 years, he split his time between Yuma and San Diego, where he'd joined a small legal firm focused on medical malpractice. The years passed in a flash. Every now and then he'd pick up the camera, tinker a little. He bought his first digital in 1994, "essentially a hard drive with a moderately priced Nikon sitting on top of it," he says, but juggling two jobs in two cities left him little time for hobbies.

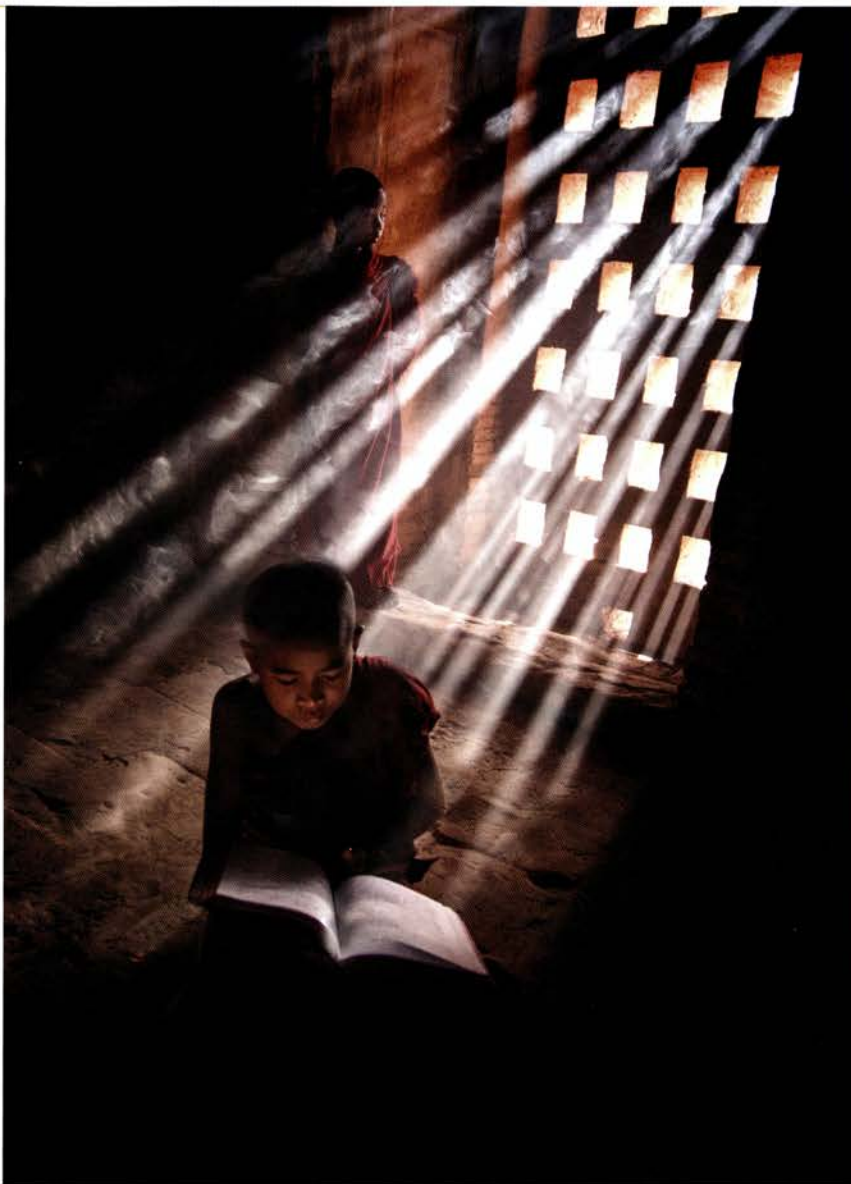
"I put it down for a few years, but I'd always pick it back up," he says. "It's always been my avocation of choice."

**A**

Although Wallace still practices law part time, he retired from medicine in 2012. And over the years, as he's gradually stepped away from a life of clients and patients, he's entered a new one of subjects and spaces. As a self-taught

photographer, he's continually evolving.

"When I first started taking pictures, I looked at the subject, and I tried to get something interesting as far as the subject goes," he says, "Then I started becoming more sophisticated and made certain my background was good. Now I'm coming to the point where not only the subject and the background are important, but the light hitting the subject has become the most important thing to me."



Steal even a cursory glance at Wallace's portfolio and you'll grasp immediately what he means. Light spills across foreign waters, punches through clouds, filters through billowing linen, saturates horizons and glows at the tip of a fat hand-rolled cigar. In one especially striking photo, taken at the Bagan Archaeological Zone in Myanmar, a young monk sits cross-legged on the floor of a Buddhist temple, reading from a book illuminated by the latticed window behind him. The sunlight pours perfectly through every square, softened by the cheap, smoky incense Wallace lit before the shoot.

"Nothing makes me happier," he says, "than a hut in the middle of nowhere with one opening to light and that light bouncing off a dirt floor and hitting the subject."

He shoots landscapes on occasion, but it's the portraiture — the human subjects — that intrigue him the most.

"Landscapes just sit there, and all you have to

† With his brother looking on behind him, a novice monk reads a religious text at the Thayanbu Temple in Bagan, Myanmar.





↑ Steve Wallace is most at home in the third-world surrounds of parts of Southeast Asia, interacting with the people. “I feel that is where I should be,” he says. “Photography is the vehicle I use to experience the life of others.”

do is wait for the right time of day, and, if you get lucky, you might have some weather with it,” he says. “But people? Just a minute change in facial expression changes the entire meaning of the photograph. I think any of my landscape photography would be more interesting if I put a person in it.”

**B**

But it’s not all about the craft itself. It’s also an excuse to push his own boundaries, to go a step further, to explore his wanderlust. When his travels began in earnest roughly 15 years ago, sparked by a photography tour of

Egypt, he couldn’t have imagined where the camera would take him. Around the globe, of course, but inside out, as well.

“I’ve gone through some very emotional experiences with photography,” he says, “and I don’t think I ever would have been there without a camera in my hand.”

In a flash he’s back in Ethiopia’s remote Omo Valley, taking pictures at an orphanage built as a refuge from Mingi, the ritualistic killing of infants and children considered cursed by their tribes.

He’s in Vietnam, interviewing survivors of the My Lai Massacre.

He’s in Cambodia, shadowing a member of the genocidal Khmer Rouge.

He’s back at the Rohingya refugee camp near Cox’s Bazar on the southeast coast of Bangladesh. He’s here to collaborate with documentary

filmmaker Lauren Anders Brown on a project for the United Nations Population Fund, but today he’s on his own. He’s sitting on the dirt floor of a small hut listening to a young woman tell her story. She’s wearing a hijab. Half her face is covered in scar tissue. Her name is Momatz, she says, already crying, and before she fled to Bangladesh, she lived in a small village in Myanmar with her husband and two young daughters. Everything changed the day the soldiers arrived. In the midst of a genocidal campaign against the Muslim Rohingya, the Myanmar Army marched every adult male to the center of the village and shot them in the chest. When her husband — still breathing — begged for water, a soldier cut his throat, she told Wallace, then turned to Momatz and the crying baby in her arms.

They threw her baby in a pile of burning debris, marched her and the other women to the only building not already on fire. They raped them all, locked the doors and let the house burn. Unlike so many others, Momatz was able to escape, though 30 to 40 percent of her body is now covered in scar tissue. Her other daughter, just 8 years old, survived, too. She’s sitting quietly in the corner of the hut, listening to her mother replay the nightmare.

“She tells this story to me, and I just feel like I’m hit by a shockwave,” Wallace says. “I couldn’t think. I couldn’t react emotionally. It wasn’t until later that night I digested what I heard.”

Still, he managed to get the shot: the worry in her brow, the horror reflected in her watery brown eyes.

“You can just tell from Steve’s work that he has the consent of the people that are in his photographs: the way they look at the lens, their comfort level, their position and poise in that sense,” Anders Brown says. “I think that’s the doctor in him. It’s that medical ethic of do no harm.”

↓ A Rohingya woman named Momatz, burned during a genocidal raid on her village by the Myanmar Army, tells her story at a refugee camp in Cox’s Bazar, Bangladesh.



**W**

Which isn’t to say he never bends the rules. For a photograph that later won him first place in a contest hosted by *Photo District News*, a monthly trade publication for professional photographers, Wallace encouraged a group of novice monks — volunteers from a local monastic school — to run and play at the Hsinbyume Pagoda in Mingun, a small village in Myanmar. Yet another example of his mastery of light and color, the monks’ burgundy





robes shout out against the chalk-white terraces of the pagoda and the feathered clouds above. It's a singularly joyous photo: With big smiles and their arms raised high, the monks seem — if only for a moment — to be unleashed from all expectation. To be their boyish selves.

And yet, when Wallace returned several years later, his fixer told him their headmasters had seen the photos and they disapproved. Once the children have donned the robes, they said, they are representing the Buddha.

"You can see by the joy on their faces — when you get them away from their headmaster and allow them to do this — how happy they are," he says. "Do I feel bad about allowing them to run and act like children? No. I don't."

H

shadows and that one cool morning in the warmest valley in Ethiopia, the Arbore tribe emerging from their huts at sunrise. It's about Momatz and that nagging feeling he has a little more to give.

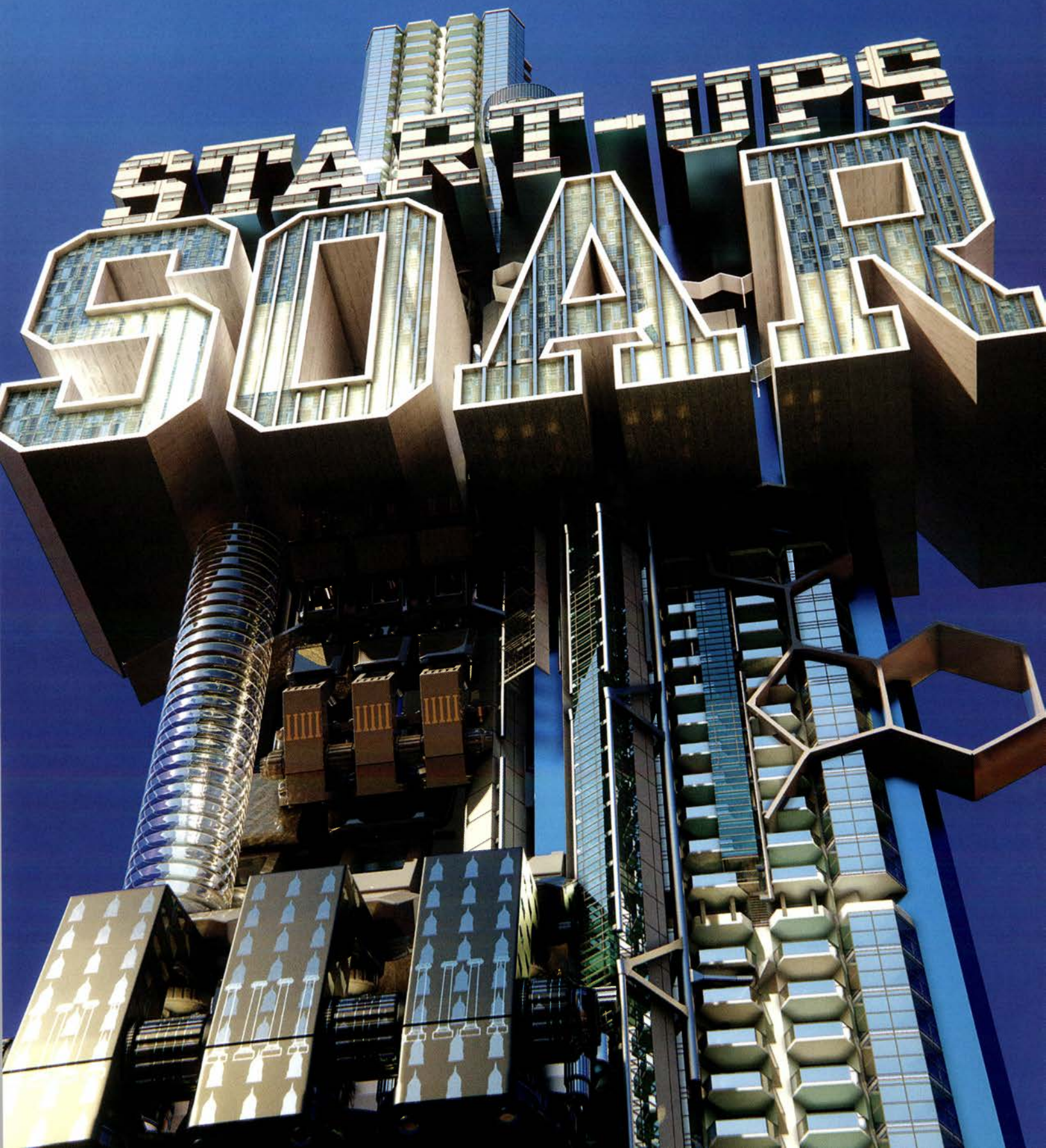
"I can't say it's going to change the world or anything like that," he says. "But I feel like I'm helping out a bit." **M**

He's been called a travel journalist, a travel photographer, a photojournalist. None of them quite seems to fit, and at 66, he doesn't really care. For Wallace, it's all about the experience. The beauty. The laughing monks and the camels' long

† A camel driver hauls cargo through Egypt's White Desert.



**Whether it's a product to keep your coffee warm or technology to keep your baby safe, Mizzou researchers' discoveries launch businesses that move science to the market.**  
STORY BY MARGARET ENGEL, BJ '73 • ILLUSTRATION BY PETER CROWTHER





**Katie Thompson, BS '04, PhD '11, has all the good problems that being a scientist-entrepreneur brings — juggling an overload of current work, along with expansion; planning; marketing; and trying to solve the urgent problem of a greening disease that's sweeping through Florida citrus groves.**

She's in the midst of remodeling the St. Louis plant that houses **Elemental Enzymes**, the company she and her husband, Brian, MS '08, founded in 2011 with Ashley Siegel, PhD '11. The company also has a field research station in Columbia and employees in Jacksonville, Florida, and Australia. Now holding some 17 agriculture patents, the company got its start in the university's **Life Science Business Incubator**, which not only provided initial lab space but also helped it write a business plan and raise funds from investors.

The 40-employee firm, focused on seed treatments and plant health, needs more room. Figuring out the logistics lands on her to-do list.

"When you're an entrepreneur, there's always so much more work going forward," says Thompson, who grew up in Jefferson County in Missouri and earned her doctorate at Mizzou in cellular and molecular biology. "We never suffer from a lack of work."

Credit the University of Missouri's long-standing emphasis on research with helping to launch fledgling companies like Elemental Enzymes. Now, an ambitious five-year plan seeks to double the amount of federal and commercial research dollars on campus by 2023 — to \$410 million.

The overarching goal is to underscore the university's mission to benefit society.

"We're trying to boost economic development for Missouri while addressing the world's challenges in food, water and health," says Jeff Sossamon, assistant director of strategic communications in MU's Office of Research and Economic Development.

The effort paid off in dramatic fashion last year, with \$48 million more flowing into the campus from federal grants and corporate partnerships, a healthy 29 percent increase over the \$205 million in research funding in the prior year.

"There's been really good buy-in across the campus," says Lisa Lorenzen, who leads efforts to commercialize faculty innovations in Mizzou's **Technology Advancement Office**. "The federal support we bring in creates hundreds, if not thousands, of jobs."

One job-creating success is a Columbia company **ThermAvant Technologies** and its spinoff ThermAvant International. Founded by a mechanical engineering professor and an entrepreneur, ThermAvant specializes in heat-transfer, aviation and energy technologies supported with grants from the U.S. Department of Defense and the Missouri Technology Corp. ThermAvant International sells consumer products such as Burnout, a temperature-regulating travel mug.

The university's research push also brings in millions of dollars — and in some years tens of millions of dollars — from licensing of researchers' patented discoveries. Bill Turpin, president of the **Missouri Innovation Center**, which manages the MU Life Science Business Incubator, notes that one-third of the licensing fees go to the inventors, with other portions going to the department that housed the research, legal fees and to support the university's general research programs. "There's usually a seven-year lag time between creation and when money arrives," he says.

Beyond jobs and income, university research is improving lives with medical and engineering advances. One start-up created in 2018 using technology licensed from the university is **Intelligent Respiratory Devices**. It uses premature babies' own respiratory patterns to regulate the supplemental oxygen they need. Roger Fales, associate professor in the mechanical and aerospace engineering department, one of the three MU inventors of the technology, says his research was motivated by the possibility of saving tiny lives.

"This technology learns from the baby how to regulate oxygen," Fales explains. "Too little can cause brain or tissue damage. Too much can lead to blindness. Nurses can do it manually, but this takes the workload off, and there's initial hope for superior health care outcomes."

Mizzou's support for his research makes the nights and weekends he devotes to this invention seem worth it. "The university has been there from the beginning with grants," he says.

As Lorenzen notes: "The faculty is not in it for the money. They really do want to make a difference."

To bring these successes from the lab bench to the bedside has taken new efforts campuswide.

The five-year research plan not only solicits yearly roadmaps from each of MU's deans on how to modernize laboratories and support research faculty but also energizes how the university acquires federal grants and industry partners. An **Office of Research Advancement** helps reduce the administrative burden of shepherding lab discoveries to commercial success.

Brainstorming sessions on campus — **Big Ideas Labs** — have been set up to push collaborative research across disciplines, Sossamon notes. "We get people to spend an entire day in a room with the goal of meeting one funding opportunity." In a recent session, engineers, computer scientists and plant scientists were so animated by the collaboration that, instead of a single idea, they hammered out four proposals to submit for a single grant opportunity. "They came up with creative ways to



## LAB TO MARKET

use artificial intelligence drones to address farming problems with precision agriculture,” he says. “The collaboration means more bang for the buck.”

Mizzou also has boosted continuing education for faculty, students and postdoctoral candidates. New hires are expected to elevate MU’s research faculty by 300 people by 2023. “We’ve already landed some world-class researchers,” Turpin says, “and there’s a bonus because they bring along any federal grants they were working on.”

A new online community, **Missouri StartupTree**, connects faculty and student innovators with businesses, mentors and investors. University entrepreneurs benefit from new fast-track licensing assistance and aid in determining how to commercialize their discoveries.

Major start-ups also draw on the expertise of Missouri’s research faculty to further their commercial success. **Beyond Meat**, with its well-known investors Bill Gates and Leonardo DiCaprio, tapped the expertise of MU professors Fu-hung Hsieh and Harold Huff to launch the company now producing the well-received Beyond Burger sold widely in grocery stores, schools and restaurants. Its manufacturing site in Columbia expanded to 100,000 square feet, from 30,000, in 2018, generating some 250 new jobs in mid-Missouri. The company also brought “a big influx” of licensing income to the university last year, Turpin says.

**Elemental Enzymes is now working on a protein that boosts the immune system of plants, allowing crops to fight diseases without using fungicides or other chemicals. The discovery is now going through the approval process within the U.S. Environmental Protection Agency.**

Gabor Forgacs, the scientific founder of **Organovo**, a company using cells to build living tissues, is an emeritus physics professor in the College of Agriculture, Food and Natural Resources. The firm, engaged in organ printing and drug testing on blood vessels, now is traded on the Nasdaq Stock Market.

Similarly, research by Dongsheng Duan, the Margaret Proctor Mulligan Professor in Medical Research, has been licensed by **Solid BioSciences**, a Cambridge, Massachusetts, company that is racing to solve the mystery of Duchenne muscular dystrophy. Duan also serves on the company’s scientific advisory board.

In addition to matching corporations with the right MU faculty, students also are receiving extra attention in finding commercial outlets for their research. Entrepreneur Quest, an annual contest sponsored by the University of Missouri System, gives student entrepreneurs a chance to win seed funding for their ventures.

The 2019 winner, veterinary student Libby Martin, invented a collar for pregnant cows that alerts ranchers in real time when birth is imminent.

→ Founders of Elemental Enzymes are, from left, Katie Thompson, Brian Thompson and Ashley Siegel.



BILL GREENBLATT









† Veterinary student Libby Martin devised collars that let ranchers know when pregnant cows are about to deliver, reducing calf mortality.

← Research by MU professors Fu-hung Hsieh and Harold Huff helped launch Beyond Meat, a company whose clients now include KFC.

Because 10 percent of calves die during labor, often because ranchers arrive too late to help, her invention could lead to big cost savings for animal agriculture.

She won \$30,000 for her “Fitbit for cows,” and her firm, **Calving Technologies**, already is testing prototypes in the field. “There is an unbelievable amount of resources here for students trying to do start-ups,” Martin says.

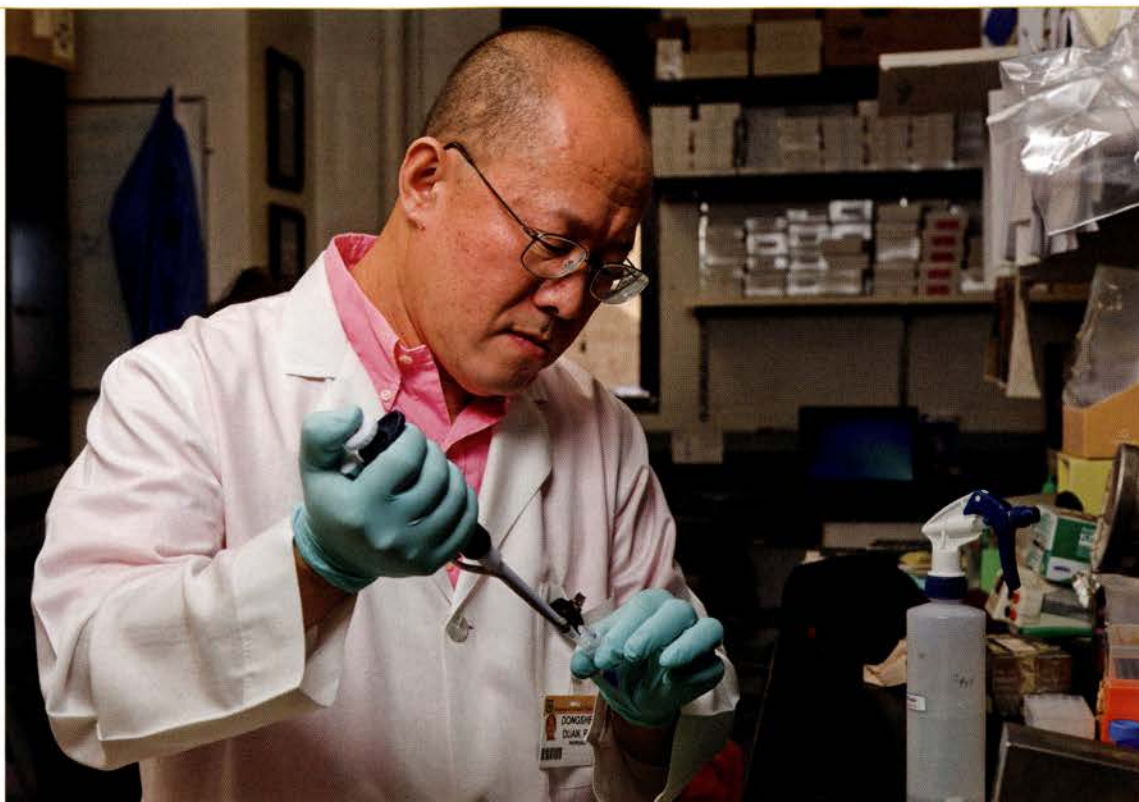
Precision health care is a big focus of the research push, as are radiopharmaceuticals and agricultural science. Next year, a **NextGen Precision Health Institute** will open, directing increased attention to cancer and vascular and brain diseases. All are leading causes of death for Missourians.

Medical appliances and drug discoveries are large parts of the 800 patents that university faculty created. “The ideas in our [research] portfolio will be part of the next decades’ great advancements,” Lorenzen says.

Research has a long and valued history at MU. Back in 1876,

**Major start-ups including Beyond Meat draw on the expertise of Mizzou’s researchers to further their commercial success. In 2018, the company’s manufacturing site in Columbia expanded to 100,000 square feet, from 30,000, generating some 250 new jobs.**





+ Solid Biosciences has licensed research by Dongsheng Duan in the quest to cure Duchenne muscular dystrophy.

+ ThermAvant Technologies' Burnout mugs use space technology to bring hot beverages to a drinkable temperature and keep them there for hours.

for instance, state entomologist Charles Valentine Riley helped save the French wine industry by grafting French vines onto more disease-resistant American grape roots. The veterinary science department set up the country's first vaccine virus lab in 1885, which was followed three years later by a pioneering **Agricultural Experiment Station**. The U.S. Congress was so impressed by the university's soil erosion research in 1917 that it created field stations across the country.

A vision of the importance of nuclear energy pushed the university to transform the site of a former polo field into the nation's largest campus-based nuclear reactor in 1966. Faculty and students in multiple colleges use the now 10-megawatt facility, which anchors **MU's Research Commons**.

In the following decades, the Mizzou steadily established range of research centers. Campus now houses 11 specialized centers, termed research cores, working on DNA, information research, immunobiology, X-ray microanalysis and other cutting-edge subjects.

Directing Mizzou's research battle plan is Mark McIntosh, vice chancellor and head of the Office of Research and Economic Development. Also on the frontlines is Turpin, whose MU Life Science Business Incubator continues to house Elemental Enzymes' field research. "Mizzou did a lot to help us," says Thompson, who notes that the company's first two patents were created with the university. Elemental Enzymes is now working on a protein that boosts the immune system of plants, allowing crops to fight diseases without using fungicides or other chemicals. The discovery is making its way through approvals at the U.S. Environmental Protection Agency. "It's a potential game-changer," she notes.

Thompson has returned to campus to encourage students to follow her and her husband's entrepreneurial path. "I truly hope that even more companies can start out at Mizzou," she says. "It's a great way to grow your research." **M**







MIZZOU MAGAZINE SPRING 2020

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# THE MAN BEHIND THE BUILDING

**Academic Hall burned in 1892. From its ruins rose a modern university anchored by the domed building named for Richard H. Jesse, the man who re-envisioned MU for a new century. By Dawn Klingensmith, BA, BJ '97**

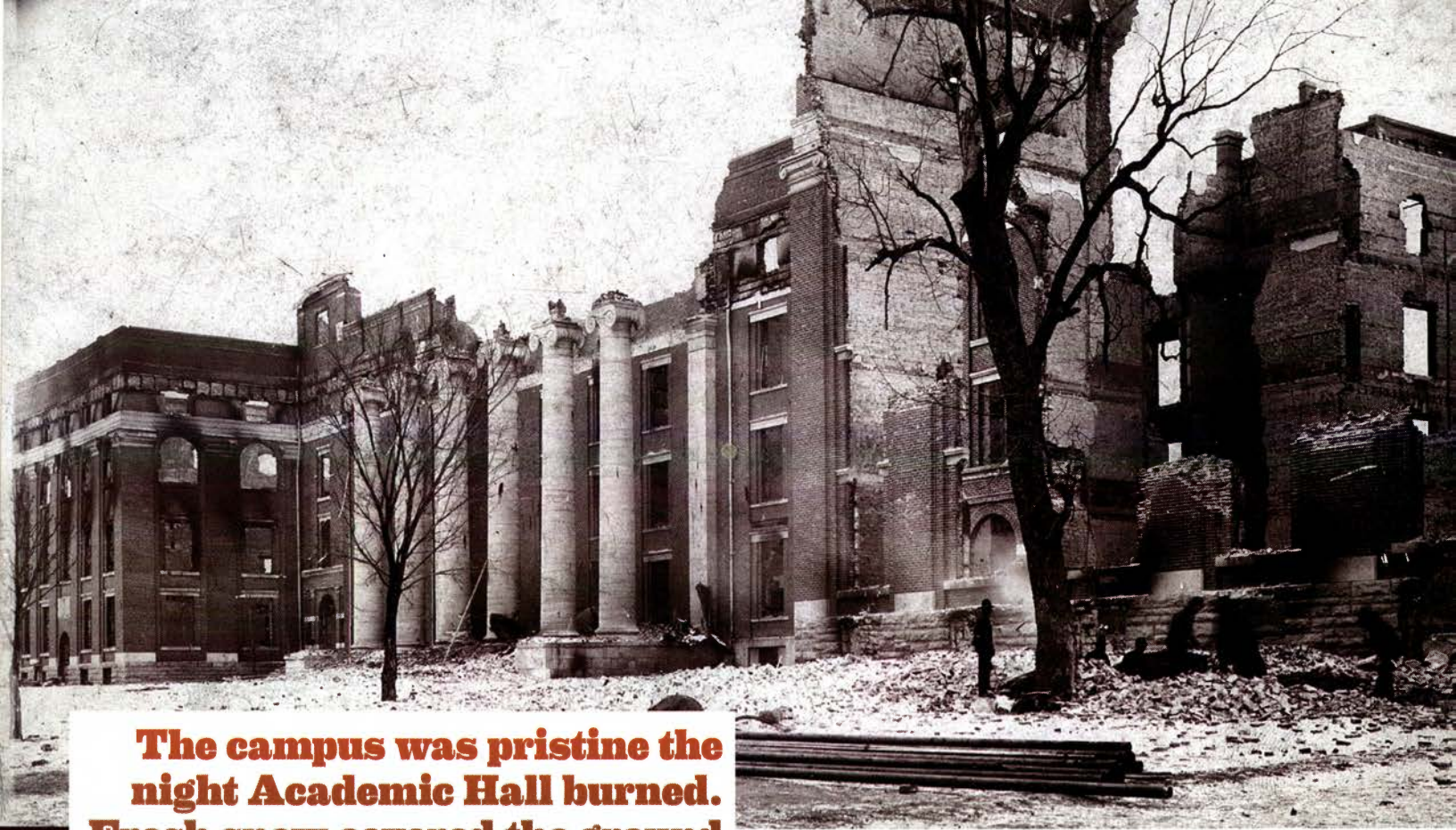






ITALIA  
ANTICUA





**The campus was pristine the night Academic Hall burned. Fresh snow covered the ground and fell intermittently. The blanket of white was thick and pure. It was the picture of hope, the promise of a new beginning.**

It was nine days into the new year in 1892, four months into the fall semester and six months since the university's new president had laid out big, bold plans in his inaugural address. Inside Academic Hall, people had begun gathering in the auditorium for an evening of entertainment when the chandelier crashed to the floor and the ceiling caught on fire. The dense smoke was the greater menace at first, but the flames kept dividing and consolidating into attack parties that would vanquish the building by midnight.

President Richard H. Jesse arrived on the scene before all hope had been lost. He strode about in the deep snow barking orders to remove furniture and equipment when it was still safe to do so. He entered the building himself, but smoke drove him out, and so he stood there, helplessly, in snow now stained by the lurid reflection of the raging fire. Jesse had come to Columbia with plans as grand as the edifice that was toppling before him, and he must have feared they were going up in smoke. "When Jesse is sworn in, virtually all of the university is contained in Academic Hall," says campus historian David Lineberry. "Jesse hasn't even been there one semester and is trying to get things going when literally 90 percent of his campus is destroyed."

But whatever doubts Jesse may have felt about his future or his vision for the university didn't outlast the long, sleepless night.

Academic Hall burned on Jan. 9, 1892, but from the ashes rose the modern university Jesse envisioned. During his

17-year administration, he transformed MU into a research-based institution where faculty not only impart knowledge but also expand it. He changed the curriculum from a prescribed course of study to the modern elective system and stressed the sciences as foundational courses. He declared in his inaugural address that "the old idea that Universities train men only for law, medicine and theology is gone from our land," and, under his leadership, dozens of new fields of study fattened the course catalog. The man whose campus burned to the ground would later get credit for rebuilding it in more ways than one. In a letter to Jesse in 1908, the founding president of Stanford University, David Starr Jordan, wrote: "The University of Missouri was built in the early days by good men; the modern University has been your creation."

### **Jesse, the Firebrand**

Jesse's belief that higher education should be practical would have surprised his younger self, a Virginia plantation owner's son who studied Latin in preparation for a life of leisure. With the collapse of the Confederacy came a reversal of fortune for Jesse's family. By age 12, he was plowing fields and chopping down trees for cordwood. One of his chores — shelling corn — cost him three fingers on his right hand. Jesse worked his way through a private academy and two years of study at the University of Virginia. He quit for lack of funds, became a teacher, and, later, a professor and dean.

Jesse was just 38 when he became president of the university in 1891. Between his academic experience and his travels, he'd formed ideas about modern education and what universities needed as they headed into the 20th century. For most of their history, universities were teaching institutions focused on classical studies. After the Civil War, progressive universities began adopting the German model of higher



education, encouraging faculty to cultivate knowledge through research and scholarship while training advanced scholars. Jesse embraced the German model and admired Johns Hopkins University, America's first university founded for research and graduate studies.

Although a handful of researchers in the College of Agriculture had made names for themselves, MU wasn't widely known at the start of Jesse's administration. He nevertheless saw no reason why MU shouldn't surpass other state universities and be on par with Johns Hopkins. That's rather dauntless, considering what he found on arrival. "Here was this 19th-century, classically bound institution in this tiny, provincial place," says Lineberry, associate director of MU's Hook Center for Educational Leadership and District Renewal. Student enrollment was less than 500. The faculty was small and largely undistinguished. Graduate studies weren't offered, but high school coursework was.

Undeterred, Jesse pressed on to strengthen the university he inherited and graft his ideas onto it. He created a master plan to retain and grow the agriculture college (he quashed a clamorous movement to make it a separate institution), develop the languishing medical department, and establish several new departments, deanships and professorships. He had expensive, audacious plans to equip labs, expand facilities and assemble a stronger faculty.

The loss of Academic Hall on that snowy Saturday put those plans in abeyance. Jesse and some other men remained at the scene of the disaster all night, evidently making arrangements to open the university on Tuesday, according to Jesse's biographer, Henry O. Severance. (Monday was the weekly holiday.) Notices over the next two days assigned classes to makeshift classrooms around Columbia, including churches, storerooms and the courthouse. Jesse kept office hours in a room above a grocery store.



↑ In 1891, Jesse arrived on a campus resembling the circa 1875 illustration above. At his retirement, it looked much like the 1914 illustration below.



LITHOGRAPH: UNIVERSITY ARCHIVES C-014712; ART: ARTHUR J. ELDER





† Jesse ratcheted up research faculty and facilities, such as this dairy chemistry lab in Eckles Hall, circa 1909. Jesse hired C.H. Eckles, whose tenure as chair of dairy husbandry ran from 1901 to 1919.

Because of the fire, Jesse spent the first two years of his administration focused on rebuilding. The new modern university sprang up around what is now Francis Quadrangle. Jesse urged state legislators to provide \$600,000 to erect a new Academic Hall and five other buildings, which they did — after discussing and scuttling a proposal to relocate the university. With new buildings adorning the quadrangle, he turned his attention to reorganizing various departments and adding others. “He shows up at the helm and, before you know it, things resemble the modern university,” Lineberry says. “It’s not just the classics anymore. We’re researching biology; we’re defining journalism as a profession; we’re saving the world through medicine. It’s that whole concept of better living through knowledge. He’s the lynchpin in all of this.”

Just judging by the faculty positions he established — including a chair of journalism in 1898, a sociology professorship in 1900 and a director of the Agricultural Experiment Station in 1895 — shows the expansion that Jesse orchestrated. But it does not illustrate “the growth of the University in the esteem of the people of the State nor of its vastly increased usefulness,” according to a 17-page board of curators document titled “Official Retirement of President Richard Henry Jesse,” which details his accomplishments.

In the curators’ estimation, establishing and developing a

graduate department was “one of the most conspicuous signs of the growth of the institution” attributable to Jesse.

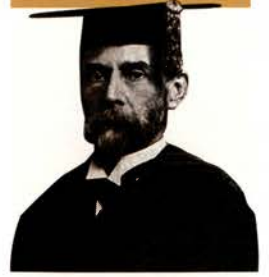
Jesse devoted the first 10 years of his administration to reorganization and expansion. All the while, he proved “eminently successful at developing an able faculty,” according to his biography, *Richard Henry Jesse*. Jesse changed MU’s hiring policy to reflect the modern ideal of meritocracy. Vacancies customarily had been filled by Missourians and Democrats, with efforts made to ensure that faculty represented proportionately the state’s major religious denominations. Jesse didn’t give a whit about a candidate’s religion or politics. He searched far and wide for the best person for the job. Homegrown candidates were turned down in favor of “Massachusetts Yankees or furry Canadians” deemed more qualified, Jesse wrote in unpublished memoirs housed at the State Historical Society of Missouri. In his own estimation, he built up a faculty of “incomparable quality.”

### Devotion to Research

Since its inception as a university in 1839, the University of Missouri had been expected to provide some public benefit. After the Morrill Act of 1862, the university’s land grant status carried an expectation that it would conduct problem-solving research. The federal government and, by extension, the American people funded the land grants, “so the idea was to give back to the people through knowledge and discovery that improves quality of life, promotes health and safety, and helps the economy,” Lineberry says.



## Jesse: Fast Facts



- Born:** May 1, 1853
- Hometown:** Lively, Va.
- 1878-1891:** Dean and latin professor at what is now Tulane University
- 1891-1908:** President, University of Missouri
- \$540,000:** University endowment in 1890
- \$1.24M:** Endowment in 1907
- \$360,000:** Value of buildings, grounds, books and equipment in 1890
- \$1.75M:** Value in 1907
- 17:** Buildings erected during Jesse's tenure, plus barns and greenhouses
- 22:** New department chairs established during Jesse's tenure
- 5:** Honorary doctoral degrees conferred to Jesse
- Died:** Jan. 21, 1921
- Fun fact:** Son Richard Henry Jesse Jr. played football at Mizzou



During the latter half of Jesse's administration, he made research central to the university's mission. "While the growth of the University in other ways has been due to many influences and to many men, in truth it must be said that its progress in devotion to research has been due almost alone to the enthusiasm, encouragement, and inspiration of the President," the board wrote. Jesse took every opportunity to remind people that a university's function is "to investigate, to teach, and to publish," as he told the National Education Association in 1901. Later in that same address, he added "the promotion of human progress" to the list of functions. In his annual report for 1908, Jesse reinforced his policy that every faculty member in the medical department "should devote, at least, half his time to original research, which, side by side with teaching, is considered an essential part of his work."

Jesse took a special interest in all research conducted on campus, personally offering encouragement and ideas. For instance, he suggested in a letter to Henry Jackson Waters — whom he'd hired as experiment station director and dean of agriculture — that Waters "experiment with caponizing fowls," Severance wrote.

One of MU's pre-eminent researchers was John Connaway — a medical doctor, veterinarian and, later, chair of animal sciences and eponym of Connaway Hall. Jesse would drop by to study the methods and results of Connaway's experiments. Sometimes, he brought along visiting dignitaries and asked Connaway to explain his research to them. On any given day, the work might entail drawing blood from animals and making serums for inoculations, pulling ticks off diseased cows and applying them to other cows to test different treatments, or simply peering at pathogens through a microscope. Connaway's studies on hog cholera and Texas fever in cattle led to the control of malaria, yellow fever and other insect-borne diseases in humans.

### Jesse's Legacy

By 1905, Jesse's vision was coming into focus so crisply that he was utterly surprised by a student petition calling for his removal on grounds that he lacked accord with students and alumni. After looking into the complaint, the curators sided with Jesse but expressed concern that the petition had taken a toll on a man "obsessed with the details of his work" and toiling "beyond the limits of his strength," Severance wrote. The board recommended he take a year off for rest and recreation in Europe. Jesse did not rest, however. He spent his time overseas studying the administration and teaching methods of universities in Germany



† Shown here at MU's Agricultural Experiment Station, researchers Paul Paquin and John Connaway, left, conducted livestock studies that benefitted farmers nationwide.

and France. Within months of his return, doctors pronounced Jesse "broken down by overwork" and advised him to quit, according to Jesse's letter of resignation, on file at the historical society.

In the end, the man who built a modern university from ashes flamed out from overexertion. Jesse retired at age 55 with his health permanently impaired, though he lived for 12 more years with his wife, Adeline, "in the shadow of the university which had become a monument" to his "creative genius," Severance wrote.

During his administration, the number of faculty quadrupled, as did student enrollment. The university's annual income increased more than fivefold, as did the value of its buildings, grounds, books and equipment. (Jesse successfully policed for ever-increasing appropriations.) However, "It is entirely possible for the University to have grown in all of these directions, and yet in reality to have made but little substantial progress," the board wrote. The university's rising stature was the true measure of his success. He raised a "practically unknown" institution to "a position of first rank among the greater universities in the United States," Severance wrote. Affirming that rank, the Association of American Universities (AAU) — co-founded in 1900 by Johns Hopkins and other research-intensive universities of its caliber — inducted MU in 1908, ahead of most public universities. Today, the AAU is still considered one of the most elite membership-by-invitation organizations in higher education.

On Jan. 2, 1922, New Academic Hall was posthumously renamed Jesse Hall in his honor. The Columns are all that remain of the old Academic Hall. Perhaps not as conspicuously, Jesse's legacy also continues to this day. "The institution which for nearly seventeen years we have worked so hard together to establish here," Jesse wrote in his resignation letter, "is but a foundation for the institution of which we are dreaming." **M**



# CROWN OF

Jesse Hall stands tall after 125 years.

BY JACK WAX, BS ED '73, HES '76, MA '87

Workers made \$2.5 million in repairs and renovations this past summer to Jesse Hall's dome, which once again looks as fresh and sturdy as at its grand opening June 4, 1895. Early that day 125 years ago, the skies cleared above the campus, and, in a morning of celebration, the building was presented to the board of curators. Since then, the structure has become a beloved symbol of the University of Missouri. It is more than that. Towering over the campus and looming large in the memories of alumni, Jesse Hall embodies the spirit of MU in brick, limestone and mortar.

- The design of Jesse Hall sprang from the mind of Morris Frederick Bell, an architect from Fulton, Missouri. Power tools had not yet been invented when the building was completed in just three years for under \$250,000 (\$7.6 million in today's dollars). Bell also designed the other buildings that compose Francis Quadrangle.

- Jesse Hall wasn't always Jesse Hall. It was known as New Academic Hall until 1922, when it was named for Richard H. Jesse, the eighth president of the university, shortly after his death.

- Jesse Hall originally included office space for the board of curators, president and registrar. Its east end consisted of an elegant Victorian-style chapel (a replica of the old Academic Hall chapel) that doubled as an auditorium. The university's library filled the west wing. Upper floors were composed of 25 classrooms, including a "ladies' calisthenics room" and a parlor for women students. All that remains of the women's gym are the faded maple flooring planks now trod by the staff of the Kinder Institute on Constitutional Democracy Center.

- On several occasions, the dome was on the chopping block. As early as 1921, the architectural firm of Jamieson and Spearl submitted plans for a shorter, bulbous replacement dome. A decade later, amid fears of the dome becoming a firetrap, a newspaper editorial circulated statewide calling for its removal: "It is of no particular utilitarian value, however, for it can be

reached only by a tortuous stairway and is space **not** utilized." In its defense, E. Lee Miller wrote, "Please don't let the dome be torn down, because if you do the whole group [of Francis Quadrangle buildings] will look just like a fine hunting dog with its tail cut off."

- The dome remained untouched, 180 feet above ground level — a landmark, visible for miles around. Inspired by Richard M. Upjohn's Connecticut State House, its 35-foot diameter boasts 96 windows. The structure's cast iron support columns rise four stories from Jesse Hall's basement. The dome's arched slate roof becomes the base for a cupola, which, in turn, supports an ornamental golden sphere.

- Today's Jesse Auditorium is not part of the original structure. The university outgrew the old 1,200-seat auditorium, whose wooden balcony was by midcentury deemed a fire hazard. Workers razed the original auditorium, and the current edition opened in 1955, featuring, among other improvements, 1,920 stylish mohair green "opera chairs."

- Jesse Hall has withstood the onslaught of nature and humankind alike. A tornado caused significant damage in 1932. Fifty years later, a severe storm knocked out windows and tore slate from the dome's roof. Firefighters stopped flames from spreading to Jesse Auditorium in 1929, a 9-year-old boy lit a fire on the fourth floor in 1942 and an arson's fire in 1991 caused nearly \$500,000 in damages to the financial aid office.

- The dome's golden sphere is partly a symbol, partly an altered remnant from the past. Originally, the sphere sported a pair of golden wings, an ancient Egyptian motif emblematic of spirit, power, light and intelligence. During World War I, an overzealous student scaled the dome and attached an American flag to one of the wings. The wing broke off in the wind, and, in the interest of symmetry, the other wing was removed soon after. **M**



# CAMPUS



*“In frequent trips I have made to Columbia in the past 30 years, either by train or by automobile, I find myself looking for the first appearance of the dome, and when it comes into view, I feel myself transported to those happy days I spent on campus.”*  
— Earl F. Nelson,  
BA 1904, BL 1905



# LEVELLING UP

**Mizzou is building one of the best esports organizations in the country. But Mizzou Esports is about more than gaming; it's also a student recruitment tool and another way for students to find their place on campus. By Kelsey Allen, BA, BJ '10 \* Photo by Sam O'Keefe**

Jack "Skiritai" Vickers was sitting in his dorm room at Kansas State playing the team-based, multiplayer video game Overwatch when he got a text from his dad that would change his life. It was a link to a tweet of a press release announcing that Mizzou would be launching a competitive gaming team in fall 2019.

Vickers grew up in a video-game-playing family. "It was a family ritual," he says. "We'd all hop on at night and play." He knew that some small colleges had varsity teams — Harrisburg University in Pennsylvania, Maryville University in St. Louis — but he wanted the big-campus experience. So he opted for K-State, which had an Overwatch club team.

Now Mizzou was not only forming an esports team that would compete in Overwatch, League of Legends and Rocket League, but it would also offer \$150,000 in scholarship packages. Within 48 hours, Vickers and more than 1,200 other students from across the country filled out the interest form to be part of Mizzou Esports.

Head Coach and General Manager Kevin Reape, BS BA '14, wasn't surprised. Esports is the fastest-growing sport with a global audience reaching almost 500 million fans annually. Nearly 75 percent of 14- to 21-year-olds either watch or play video games online. "High school students are realizing that they're extremely talented in these games and, for the first time ever, there are scholarship opportunities available to them," says Reape, who works in Student Affairs and was a Master-level player in Overwatch. And Mizzou is a front-runner in the esports industry: It's the first SEC school to join the National Association of Collegiate Esports (NACE) and one of the largest universities in the nation to launch a program.

But Reape didn't only want to recruit the best gamers in the nation; he was also looking for bright students, critical thinkers, problem-solvers, good communicators, team players. "My philosophy since Day One has been to develop a culture that embodies what the University of Missouri is all about," he says.

In August 2019, 21 Mizzou Esports players, including Vickers, who is now a junior information technology major at MU, gathered in a 5,000-square-foot training facility in Center Hall — one of the largest university gaming facilities in the nation. Thanks to a four-year sponsorship agreement with a leading computer hardware and gaming company, MSI, and a \$130,000 gift from an anonymous donor, the MSI Train-

ing Facility is outfitted with state-of-the-art gaming systems, a streaming room where the student-athletes can broadcast their games on Twitch (the ESPN of gaming), and a film room where teams can break down game film and strategize.

Mizzou Esports players are responsible for devoting 20 hours a week to the team, which includes practices, competition, study hours, team meetings and team dinners. Practices typically consist of reviewing game film, scrimmages with other colleges, and working on how players can better communicate and strategize with teammates.

Practice paid off. Mizzou Esports took home the NACE Rocket League Championship, claiming the crown ahead of 64 other collegiate teams, and completed an undefeated season. The Overwatch team was one of 12 teams out of more than 100 applicants chosen to compete in the Varsity Invitational. And the student-athletes got it done in the classroom, too, with a cumulative GPA of 3.08.

Because Mizzou's esports program is overseen by the Office of Student Affairs, the program has a focus broader than competition. It also includes opportunities for non-team member students who are interested in the gaming industry to get real-world experience. Broadcast journalism majors can provide play-by-play and color commentary during competitions. Video production students can gain experience editing highlight reels for the teams. Marketing students can assist with social media and branding. Stats majors can contribute to game analysis and strategy. Through the partnership with MSI, Mizzou Esports is also building a pay-to-play public gaming lounge for the campus community with high-end broadcasting capabilities and a viewing area for fans.

"There are a lot of students interested in gaming, and we're providing those with that interest a home away from home," says Vice Provost for Student Affairs William Stackman, MS '82. "It's very similar to other NCAA sports in that way — it provides a sense of belonging and a way for them to use their passions to get involved and engaged."

Esports has become another avenue for Mizzou to attract students, celebrate the array of interests on campus and invest money to benefit more of the student body.

"For Mizzou to support esports at the level it has and now for the teams to compete and succeed at the level that they have, it's another pride point for the university," Reape says. "And we're just getting started." **M**





\* Jack Vickers, a member of the Mizzou Esports Overwatch team, practices at the team's training facility in Center Hall Feb. 06, 2020.





## DASHING HOPE

A century ago, at the 1920 Summer Olympics in Antwerp, Mizzou had perhaps its greatest-ever games, bringing home two medals, including the school's first gold. But at least one Missouri runner lived the rest of his life believing the Tigers' haul could have been even better.

STORY BY  
TONY REHAGEN.  
BA, BJ '01







★ Although the 2020 Summer Olympics have been postponed, we decided to publish this story. We do so in honor of today's athletes, now in fleeting prime, who, by next year's games in Tokyo, may have seen their moment pass. And we publish in memory of past athletes such as George Massengale, whose 1920 Olympic patch is shown on Page 40.

G

George Massengale was 19 years old, soon to be a junior at Mizzou, when he found himself standing beside two Tiger track and field teammates at the precipice of immortality.

It was Aug. 20, 1920, and Massengale, BA '1922, was one of 288 athletes representing the United States in the Games of the VII Olympiad in Antwerp, Belgium. A native of St. Louis County, Massengale had barely left Missouri during the first two decades of his life. Yet here he was, in one of Europe's ancient capitals, now at the center of the sporting universe.

Before a single race had been run, the University of Missouri had already made its mark by sending multiple athletes to the games for the first time in the modern Olympiad's 24-year history. The only other Tiger Olympian had been hurdler John Nickolson, who traveled to Stockholm in 1912 and returned with a sixth-place finish. But in Jackson Scholz, BJ 1920; Brutus Hamilton, BA '22; and Massengale, Mizzou had seemingly tripled its chances of finally bringing a medal back to Columbia.

This day was supposed to have been Massengale's turn. It was the final of the men's 200-meters, Massengale's event, and it was a race he seemed built to win. He had only qualified fourth in the 200 for the U.S., but fellow Tiger Scholz, who had qualified first and held the U.S. record for the 220-yard dash, had pulled out of the event, spent from a tearful fourth-place finish in the 100-meters. Several other prominent runners were also absent from the day's final. Perhaps most important, days of rain had transformed the hastily built track into a muddy slog, which tended to favor long-legged sprinters like the 6-foot-1 Massengale. But on the sea voyage across the Atlantic, the teen succumbed to AS, ankylosing spondylitis, a rare disease that causes swelling of the joints, and was forced to withdraw. "In the 1920s, they didn't even know what it was," says



Massengale's son Robert Massengale, BSF '56, MS '70. "They were staggered he could run at all." Instead, Massengale was forced to stand on the sidelines and watch alternate Allen Woodring, a Pennsylvanian, take his lane.

It was a fitting end to what had been a harrowing journey for Massengale and his teammates. It had begun with the trans-Atlantic voyage aboard the *Princess Matoika*, which had just returned from Europe carrying the flag-draped coffins of 1,800 servicemen who had died in World War I. The VII Olympiad was the first games in eight years, due to the 1916 games having been canceled amid The Great War, and most of the U.S. athletes were too young to have served on the American Expeditionary Forces that joined the Allies in 1917 and helped end the conflict a year later. These Americans had their first real brush with war when they boarded that steamship. For 13 days, 108 male athletes (the U.S. only sent 15 women, none in track and field) bunked in the hold beneath the waterline among the rats and the stale stench of death. "Dad said it smelled terribly of formaldehyde," Robert Massengale says. "Training [onboard] was difficult."

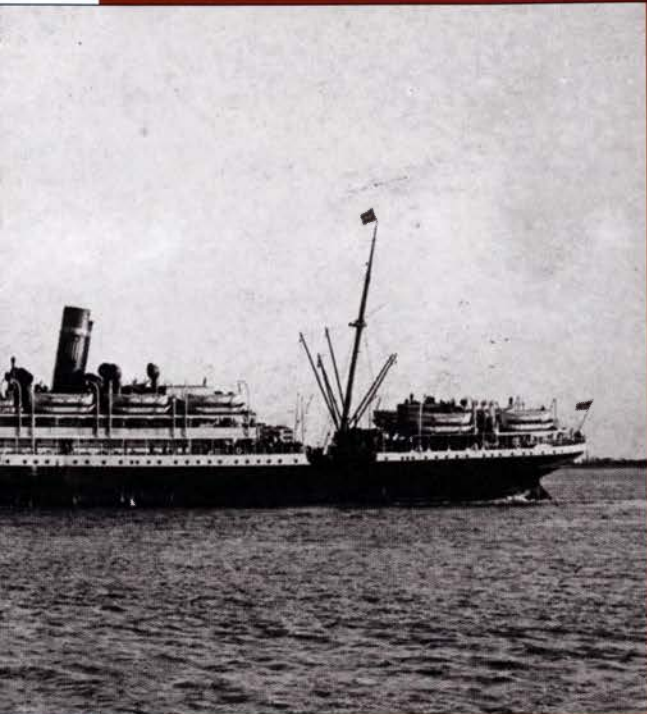
The haunting passage was nothing compared to the actual ruin that awaited them in Europe. Belgium had been ground zero for the Great War's notorious Western Front, the first stop on Germany's march to France. Antwerp and its population had been decimated. The city had little more than a year to prepare its war-torn streets and buildings for the event — a task that generally took countries four to five years in peacetime. The city hurriedly threw up facilities, including the 30,000-seat Olympisch Stadion, and quar-



George Massengale, 1920 Savitar

SHIP: COURTESY NAVAL HISTORY AND HERITAGE COMMAND





ANVERS. — LE MARCHÉ AUX SOULIERS APRÈS LE BOMBARDEMENT.



† The steamship *Princess Matoika* had just returned from Europe carrying bodies of American soldiers before bearing U.S. athletes to Antwerp. The opening ceremonies of the VII Olympiad were held in a stadium hastily erected little more than a year after World War I decimated the city and its people.



**The 20-year-old steamer had just returned from Europe carrying the flag-draped coffins of 1,800 dead servicemen. For 13 days, 108 male athletes (the U.S. only sent 15 women, none in track and field) bunked in the hold beneath the waterline among the rats and the stale stench of death. “Dad said it smelled terribly of formaldehyde.”**

tered visiting athletes wherever space could be found. European youths who had lived through six years of war and its aftermath expected and even appreciated the rustic accommodations. But the Americans, who’d grown up on the other side of the globe, found the old schoolhouse they were boarded in — with its straw-stuffed mattresses; cold-water showers; meals without milk, butter,

or sugar; and smell of the antiquated subterranean sewers — unacceptable, so much so that they circulated a petition calling for improvements.

Dubbed “The Mutiny of the *Matoika*” by the press, at best the petition made the young Americans seem obtuse to a continent ravaged by war. At worst, it made them seem insensitive. These were mere boys, some still teenagers, in a world





Jackson Scholz, 1920 Savitar



Brutus Hamilton, 1920 Savitar

far less interconnected than today. Many of these young men had never before experienced the world outside of their home countries, regions or even states in which they were born — and that included the contingent from Mizzou.

### A TIGER DREAM TEAM

Around 1920, according to Olympic historian Bill Mallon, America was entering a golden age of sprinting. This was in large part because it was one of the first to retain expert coaches who instituted regimented training for their amateur runners. The best coaches attracted the best talent, so, it was common enough for a university or athletic club to send more than one athlete to an international meet or an Olympics. After the 1919 track season, Mizzou hired Robert Simpson, a former Tiger runner and future MU Intercollegiate Athletics Hall of Famer who was, himself, a world-record-holding hurdler and two-time gold medalist in the Inter-Allied Games in Paris, as its new track and field head coach. His first crop of Olympic qualifiers didn't disappoint.

The headliner was Jackson Scholz. The Buchanan, Michigan, native was already 23 years old, had lettered three years at Mizzou and was a budding star on the international scene. Next

came Brutus Hamilton, a soft-spoken intellectual from Peculiar, Missouri. Despite suffering a severe hip dislocation as a boy, Hamilton went on to win state titles in the high jump, pole vault, broad jump and shot put. He was considered one of the U.S. team's finest all-around athletes. And then there was Massengale, a track star hailing from Webster Groves High School. His father agreed to pay for the lad's college education in exchange for the promise that he'd return and work for the family steamboat business.

In Antwerp, Scholz was up first in the 100-meter. But after winning his first heat and quarterfinal with the fastest time at these Olympics (10.8 seconds, two-tenths of a second away from the world record), he faded late in the final, finishing a disappointing fourth. That same day, Hamilton competed in the pentathlon, leading the event after winning the long jump portion but then struggling through the other four events en route to a sixth-place finish. Hamilton later redeemed himself in the decathlon, never winning a single event but doing well enough in all of them to take the silver — the first Olympic medal in Mizzou history.

Next came the 200-meter. Massengale stood by and watched the final field of six, including U.S. alternate Woodring, take their marks.





↑ Tiger sprinter Jackson Scholz would go on to win the Olympic medals and garner the fame and glory, but George Massengale felt that, if not for a rare illness, he could've made his own mark, a belief evidenced by this photo of Massengale besting Scholz in a previous intercollegiate race.

"*Pret,*" called the official — "Ready" — an order that echoed through the stadium, reverberating off of hundreds of seats left vacant by locals who still couldn't afford the three francs for admission or didn't want to brave the cold rain.

*Pop.* The starter's pistol registered, sending the six sprinters dashing. American Charley Paddock, who had won the 100-meter gold, bolted out to a quick lead, causing Brit favorite Harry Edward to accelerate his deliberate pace. Both were gassed when, about 20 meters away from the finish, Woodring — like Massengale, long and lanky — came out of nowhere to beat them to the tape. The alternate from Syracuse University had taken the gold.

The final event involving a Tiger was the 4-x-100 meter relay. Led by Scholz, the Americans prevailed, winning Mizzou's second medal of the games and its first gold. The celebration was bittersweet for Massengale — he was supposed to have been on the relay team, too.



## THE HOPEFULS

In 108 years, MU has sent 30 athletes to represent their native countries — and their alma mater — in the Summer Olympics. Some came home with medals; others returned with disappointment. But they all did Mizzou proud. Here are some who were Tiger hopefuls for the 2020 Games in Tokyo.


 **J'den Cox, BA '17, United States Wrestling**

A Columbia native, Cox was so new to the international experience in 2016, when he flew to Mongolia for qualifiers, he had to get his passport expedited — he'd never had one before. Since winning bronze in Rio, he has added two world championships, one in Budapest, Hungary, in 2018 and another in Kazakhstan in 2019, where he didn't surrender a single point in four matches.

 **Karissa Schweizer, BHS '18, United States Cross-country**

Schweizer is used to being overlooked. While in high school, she didn't win a single individual state or national cross-country title. In her first NCAA Division I Cross Country Championship, she finished 155th. But two years later, she shocked everyone and won the NCAA crown, becoming the first female national champion in any sport in Mizzou history. In February, during a meet at Boston University, Schweizer destroyed the American record for the 3,000-meter run by nearly 8 seconds. The previous record had stood for 13 years.

 **Zoe Cross, England, and**

 **Julissa Cisneros, Mexico Soccer**

These Tiger teammates have both been called up to their countries' respective under-20 national teams.

 **Roberto Vilches, Mexico High jump**

The sophomore from Mexico City finished third at the 2019 Pan American Games and was a 2019 NCAA Indoor and Outdoor Track All-American.

 **Ja'Mari Ward, United States Long jump**

The 2017 Freshman Field Athlete of the Year is the reigning U.S. outdoor long jump champion.

 **Michael Chadwick, BS '18, United States Swimming**

The most decorated swimmer in Mizzou history (22 All-American honors), Chadwick finished 18th in the 2016 Olympic trials.

 **Mack Darragh, BS BA '15, Canada Swimming**

Darragh swam the butterfly leg of the 4-x-100 meter medley relay for Team Canada in Rio.

 **Mikel Schreuders, Aruba Swimming**

The Mizzou senior represented his home country in Rio in 2016.

 **Fabian Schwingenschlögl, BS IE '17, Germany Swimming**

Winner of the 2016 NCAA title in the 100-yard breaststroke, he represented Germany at the 2019 World Athletics Championships.

 **Lauren Reedy, BS HES '17, United States Diving**

Reedy won a national championship in the mixed synchronized 3-meter event.



## MIZZOU MEDALISTS AT A GLANCE

Since breaking through with its first medals in the 1920 Games, Mizzou has put more than a few athletes on the Olympic podium. Here's a rundown of the Tigers' hardware haul.



**BRUTUS HAMILTON, BA 1922**  
Silver, decathlon  
1920 Antwerp, Belgium

Technically the first Tiger to ever medal at the games, Hamilton, 19, was the only teenager competing in the decathlon.



**JACKSON SCHOLZ, BJ 1920**  
Gold (2) and silver, track  
1920 Antwerp, Belgium, and 1924 Paris

Four years after becoming the first Tiger ever to win gold in Antwerp, Scholz struck again in Paris, this time, in the men's 200-meter dash. But he became best known for scoring silver behind Harold Abrahams in the 100, a race immortalized in the film *Chariots of Fire*.



**DAN PIPPIN, BUS '48**  
Gold, basketball  
1952 Helsinki

The Waynesville, Missouri, farm boy turned All-Big Six Conference guard was captain of the U.S. basketball team that went undefeated and beat the Soviets for the gold.



**DICK COCHRAN, BS ED '61, M ED '67**  
Bronze, discus  
1960 Rome

After winning two NCAA discus championships with the Tigers, Cochran went to Italy, where he helped the U.S. sweep the discus throw.



**DAVE SILVESTRI, ARTS '90**  
Gold, baseball  
1988 Seoul, South Korea

The two-time All-American shortstop for the Tigers took a pit stop on the way to his major-league career to help the U.S. win gold in Seoul. Even though baseball was a demonstration sport at the time, unofficial medals were awarded.



**NATASHA KAISER-BROWN, BA '90**  
Silver, 4-x-100 relay  
1992 Barcelona, Spain

After a semifinal loss in the 400-meter (an event in which she would win silver at the World Athletics Championships the following year), Kaiser-Brown helped the women's relay team score a silver in Spain. She is now associate head coach of MU's track and field team.



**CHRISTIAN CANTWELL, AGRIC '05**  
Silver, shot put  
2008 Beijing

The Eldon, Missouri, native missed the 2004 Games, despite posting the top four throws in the world during the outdoor season. He got his "shot" in Beijing and didn't disappoint, winning silver. One more try for gold fell short in 2012 in London, where he finished fourth.



**J'DEN COX, BA '17**  
Bronze, wrestling  
2016 Rio de Janeiro

To qualify for the 2016 Games, the four-time Missouri state champion for Hickman High School had to beat his American competition and then fly to Mongolia to pin the world's best, as the U.S. did not have an automatic Olympic berth in Cox's weight class.



### REGALIA AND REGRET

Of course, Mizzou has gone on to send many more Olympians to compete — but they were never more successful than in Antwerp, a century ago.

The only other time MU would ever bring home two medals from the same games was in Paris 1924, when Scholz did it himself, winning both gold and silver in the 200-meter and 100-meter, respectively. He also won a national championship in 1925 and returned to the Olympics a third time in 1928, though he finished fourth in the 200-meter in Amsterdam. He became a prolific writer of pulp fiction sports books and was inducted into the U.S. Track and Field Hall of Fame in 1977. "Scholz was definitely an anomaly for his time," says Glen McMicken, statistician and historian at U.S. Track and Field. "It was rare for athletes to stick around in the sport to compete in two Olympic Games, and he was in three. He was the first man to make a sprint final in three Olympics."

Ironically, Scholz is now probably better known for a loss — his silver-medal performance in the 100-meter back in 1924 in Paris. He lost to Brit Harold Abrahams, the subject of the 1981 Oscar-winning film *Chariots of Fire*. That race and Scholz are portrayed in the movie, though he said he never saw it, and he died five years later.

Hamilton returned for the 1924 games as well, finishing seventh in the pentathlon. After his competitive career, he landed the job as U.S. decathlon coach for the 1932 Olympics in Los Angeles. Hamilton then stayed in California, where he coached track and field at the University of California, Berkeley, and eventually worked as athletic director until his retirement in 1965. He also coached the entire U.S. track and field team in the 1952 Olympics, the 1953 Maccabiah Games in Israel and the 1965 meet against the USSR. During that time, "Brutus," as his "boys" called him, helped develop some of the world's great track stars, including Archie Williams, Dave Maggard, Jack Yerman and Don Bowden, the first American to break the 4-minute mile. "He never talked about his Olympic accomplishments [as an athlete] at all," Bowden says. "I never realized





# My Olympics Memories

Mizzou Olympians have experienced everything from the thrill of victory to the agony of not getting to compete (because of politics). Here, in their own words, are a few of their memories.

## **NAT PAGE, AGRIC '80**

**HIGH JUMP, 1980 MOSCOW**

**DID NOT COMPETE DUE TO U.S. BOYCOTT**

When I made the team, I took my spikes off, grabbed some change from my backpack and called home. **“Mom, Mom, I made the Olympic team!”** I had already heard rumors about a **possible boycott**, but I didn’t think it was going to actually happen. Then summer started to come, and it looked like it was going to happen. I was still full of so much joy that it didn’t hit me that hard. It didn’t hit me hard until later. It hit me while I was at home watching the games on TV with my sisters. I watched the high jump and figured I could’ve made the final — in fact, I later competed against and beat some of the Olympic finalists. **I felt like I missed out.**

## **NATASHA KAISER-BROWN, BA '90**

**4-X-400 RELAY, 1992 BARCELONA, SPAIN**

**SILVER MEDAL**

I’m standing there, nervous, watching all the camera flashes coming from the stands, but I can’t see faces. They introduce each runner for all eight teams. Then there’s a quiet in the stadium. We’re at our marks. **The gun goes off ... and it’s a false start.** We go through it all again. Second start, gun goes off. Now we’re really running. Fifty seconds of trying to break the stagger and get the lead. I hand off my baton, and my part is done. After the race, all the medalists head to a makeup room under the stadium. You change into your awards jacket and pants. You are escorted to the infield. Some of my teammates were disappointed with the silver. I was excited. I was like, **“You know they only give three of these right?”**

## **CHRISTIAN CANTWELL, AGRIC '05**

**SHOT PUT, 2008 BEIJING**

**SILVER MEDAL**

I’m a big guy; I stick out. When I got back from Beijing, people recognized me from the news — “You’re the guy who won that medal” — even though a lot of them couldn’t remember for which event. For two months, **I just kept my medal in my truck.** People would come up and say, “Boy, I’d sure like to see that,” and I’d show it to them and let them hold it. **That thing probably has so many germs on it ...**



† Top, four years after Antwerp, Jackson Scholz, by then an MU alumnus, would win gold at the 1924 Paris Olympics, breaking the tape in the men’s 200-meter final. Below, Brutus Hamilton would also go on to renown, coaching some of the world’s best during a three-decade career at the University of California, Berkley.

it until people told me — we had to research it ourselves. We respected him so much as a person that his accomplishments did not have a bearing on our relationships.”

Massengale never ran competitively again. His ailment caused him so much pain that, upon graduation in 1922, his father sent him to a rest home in Colorado Springs in hopes the professionals and the cool, dry Colorado air could help. Massengale eventually returned to fulfill his promise of working at the family business and later took an office job with Union Electric. He settled down and raised three sons, two of whom followed their father to run track at Mizzou. One of them, Robert Massengale, says his father rarely spoke about his brush with Olympic greatness.

“He didn’t talk about it a lot, and I didn’t have the sense to ask him,” Robert says. “Dad was an easygoing guy, low-key. But I know he had regrets.” **M**





# WELCOME NEW LIFE MEMBERS

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**Honorable  
Ann Covington**

- Appointed to the Missouri Supreme Court, becoming its first female judge in 1989 and first female chief justice in 1993
- Serves as a cabinet member on Mizzou's *Our Time to Lead Campaign*
- Served on the University of Missouri System's board of curators from 2013 to 2015
- Received the Faculty-Alumni Award in 1995 and the Jefferson Club Quill Award in 2017

# State Treasures

Meet the winners of the 2019 Henry S. Geyer Awards for Public Service to Higher Education

## Let No One Down

Ann Covington, JD '77, is a worrier. So, when, in 2013, then-Gov. Jay Nixon, BA '78, JD '81, asked if she'd serve on the University of Missouri System's board of curators, she hesitated.

"I knew it was extraordinarily time-consuming and was reluctant, given the magnitude of the issues presented to the university," says Covington, who retired as a partner at the international law firm Bryan Cave in 2010. "But I didn't want to let anybody down."

Covington, in fact, built her career on lifting people up. A pioneer for women, Covington was the first woman to serve on the Missouri Supreme Court and became its first female chief justice in 1993. She volunteers with the MU Fellowships Office, preparing students who apply for postgraduate scholarships. She mentors numerous law students and was a member of the Mizzou Law School Foundation board of trustees. And she serves as a cabinet member of the *Mizzou: Our Time to Lead* campaign.

"It's not unusual for me to be awake at night thinking: 'Here's a problem. What can I do to make it better?'" she says.

It's this ethic of service and advocacy that earned Covington the 2019 Henry S. Geyer Award for a private citizen from the Mizzou Alumni Association.

## Higher Ed Champ

Missouri lawmakers and the University of Missouri have had a hot-and-cold relationship, especially over the past five years. But challenges on campus haven't turned Sen. Caleb Rowden, Educ '01, off.

"If you believe in something, it's worth fighting for," says the Missouri Senate majority leader.

Rowden is known in Jefferson City as a champion for higher education funding and for the University of Missouri. Since taking office, he has fought for funding for the Lafferre Hall renovation and the State Historical Society's Center for Missouri Studies on MU's campus as well as for capital improvements across all public university campuses in the state.

In 2019, Rowden and state Rep. Greg Razer formed a bipartisan caucus to advocate for the University of Missouri System, and Rowden was an early — and vocal — supporter of MU's NextGen Precision Health Institute.

"This facility and the work that will be done in it will literally have the power to save lives and change families for generations," says Rowden, who has two young children. "These are not token words to muster up support. It is the reality of the type of research and work already being done at MU that will be bolstered tremendously by the addition of NextGen. It's a generational opportunity."

For his steadfast support of higher education, the Mizzou Alumni Association awarded Rowden the 2019 Henry S. Geyer Award for a state-elected official.



**Sen. Caleb Rowden**

- Elected to the Missouri Senate in 2016, representing Boone and Cooper counties, and serves as the Senate majority leader
- Formed a bipartisan University of Missouri System Caucus in 2019 with Rep. Greg Razer
- Chaired the Missouri House Economic Development committee
- Served two terms in the Missouri House of Representatives



## Class Notes

### 1940

★★**Orville Walter Brauss, BS BA '48**, of Austin, Texas, celebrated his 98th birthday. He is a World War II and Korean War veteran and a member of Sigma Chi.

### 1950

★★**Tom Schultz, BJ '56**, of Columbia, Mo., attended a luncheon in Naples, Fla., to learn the impact of the *Mizzou: Our Time to Lead Campaign*.

★**Jack Bush, BS BA '58**, of Dallas co-wrote *Old-Fashioned Values Matter* (Roaring Lambs Publishing, 2019).

### 1960

★**Bud Carter, BA '60, BJ '61**, of Alpharetta, Ga., wrote *Great Quotes for Great Businesses: Words that Leaders Live By* (Simple Truths, 2019).

★**Sanford Josephson, BJ '63**, of Manchester, N.J., is editor of the New Jersey Jazz Society's magazine, *Jersey Jazz*.

★★**Russel G. Smith,**

**BJ '67, MA '71**, of Naples, Fla., hosted a luncheon to highlight the impact of the *Mizzou: Our Time to Lead Campaign*. Smith is president of the Jefferson Club.

### 1970

★**Arnold Jacobson, BA '70, MS '77**, of St. Louis received the Greater St. Louis Dental Society's Gold Medal Award.

**Archie J. Thornton, BJ '70**, of Carlsbad, Calif., wrote *Tales of a Madman: Advertising Secrets for Success in the Digital World* (Compass Flower Press, 2019).

★**Mike Bizelli, BJ '72**, of St. Louis published *Last Day on a Chain* (Mike Bizelli, 2019).

★**Katherine Hallock, BJ '77**, of Jacksonville, Fla., is the first director of communications for the Jacksonville Historical Society.

**Sarah Gehlert, MA '79, MSW '82**, of West Columbia, S.C., is the dean of the School of Social Work at the University of Southern California in Los Angeles.

★**Leesa Clark Stone, BJ '79**, of Kingston Springs, Tenn., wrote *Paradise to Paradise: The Rap Reiplinger Story* (Farknockler Publishing LLC, 2019).

### 1980

**Lisa Bond-Maupin, BA '82**, of Arcata, Calif., is interim provost and vice president of academic affairs at Humboldt State University.

**James White, BS BA '83**, of Pleasanton, Calif., is interim president and CEO of Ocean Spray.

**Teri Heiland, BHS '84, PhD '93**, of New Market, Md., is chief scientific officer of Immunomic Therapeutics Inc.

★★**Jacqueline McEntire Clark, BA '84**, of Lee's Summit, Mo., is the Midwest district representative on the national board of directors of the Public Relations Society of America.

★★**Daniel Harris Skouby, BS CiE '85**, of Osage Beach, Mo., retired after over 33 years with the State of Missouri.

**Brad Pitt, Journ '86**, of Los Angeles won an Academy Award for his supporting role in *Once Upon a Time In Hollywood*.

**Stephen C. Shih, MS '87**, of Carbondale, Ill., is associate dean and graduate school director for Southern Illinois University.

**Jacqueline Johnson El-Sayed, MS '89, PhD '97**, of Bloomfield, Mich., is chief academic officer and managing director at the American Society for Engineering Education.

### 1990

★★**Mike DeBacker, BS CiE '91**, of Kansas City, Mo., is vice president and general manager of the Transportation Group at Burns & McDonnell.

★**Eric Beato Jr., BJ '92**, of Milton, Mass., is editor of *Babson Magazine* at Babson College.

★**Stephen Levy, BA '92**, of Chicago is the first chief experience officer for JCC Chicago.

★★**Karl D. Qualls, BA '93**, of Carlisle, Penn., wrote

*Stalin's Niños: Educating Spanish Civil War Refugee Children in the Soviet Union, 1937-1951* (University of Toronto Press, 2020).

**Teresa Titus-Howard, MSW '93, MHA '98**, of Millersville, Md., is president and CEO of The Coordinating Center.

**Echelle Rutschman, MA '94**, of Memphis, Tenn., was elected to the Public Relations Society of America's College of Fellows.

**Bryan Gragg, BSF '96**, of Savannah, Mo., is a regional administrator for the Missouri Department of Conservation.

**Tricia Nguyen, MD '96**, of Lafayette, La., is executive vice president and chief medical officer of LHC Group Inc.

**Orvin T. Kimbrough, BSW '98, MSW '00**, of Chesterfield, Mo., is chairman of Midwest BankCentre.

★**Brent Mayabb, DVM '99**, of Fenton, Mo., is global chief medical officer for Royal Canin USA.

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# Stacey's Road Home

On paper, Stacey Montooth's career spans decades. As an oral history, her career path spans millennia.

Montooth is the new executive director of the Nevada Indian Commission. Gov. Steve Sisolak appointed her to the position last September to serve as the liaison between his office and the state's 27 tribal nations. "I believe it's my calling to help improve the lives of our tribal citizens," says Montooth, a citizen of the Walker River Paiute tribal nation. "This is the path that the creator led me to."

But where did the path begin? You could trace it back to the MU classroom where Montooth first learned that Indian boarding schools established in the late 19th century snatched children from their families and forced them to cut their hair, speak English and answer to new, anglicized names. You could trace it back to her childhood aspirations. "By fifth grade, I was aware of Indian people's disenfranchisement, the poverty that plagued them and the racism, and so my plan was, 'I'm going to write, and I'm going to tell the world about all these bad things that are happening to Indian people.'"

But these events were milestones, not starting points. Her path extends as far back as she can trace her ancestry. "Our people believe that we've been in the Great Basin region since time

immemorial," she says, "but if you don't believe the oral history, there's science and the Spirit Cave man." A mummy found in 1940 and dated in 1996 using mass spectrometry was determined to be about 9,400 years old.

Montooth can picture how he might have lived. "Our ancestors were so in tune with the environment and knew where they had to be to benefit from the spawning of the trout, the elderberries blossoming, the pine nuts ripening. They never stayed in one place but followed the food," she says. When settlers arrived, "they interrupted the travel patterns of my ancestors and drastically changed their lifestyle."

Today, Montooth wants to make sure Nevada's tribal nations control their own destinies. She spends much of her time writing policies for carrying out Nevada's new Collaboration Act, which requires state agencies to include tribal nations in their decision-making regarding land use, taxation and other issues.

"Initially, I expect consultation enforcement to be difficult," Montooth says, "but if we can change policies and attitudes, I will have helped the next generations of Native Americans and perhaps mitigated some of the damage the federal government inflicted on my people."

— Dawn Klingensmith, BA, BJ '97

## 2000

**Aaron Diamant, MA '00**, of Atlanta is vice chancellor for communications for the University System of Georgia.

**Lauren Lageson Wood, BA '01**, of St. Louis is an associate attorney at Danna McKittrick P.C.

**Elise Radina, PhD '02**, of Cincinnati wrote *How Qualitative Data Analysis Happens: Moving Beyond Themes Emerged*. (Routledge, 2018).

★★ **Johnny Wang, BA '02**, of St. Louis is a member of the Midwest BankCentre's legal board of directors.

**Jonah Sacha, BA, BS '03**, of Beaverton, Ore., is senior science adviser for CytoDyn Inc.

**Mike Smith, BS BA '03**, of Nashville, Tenn., is chief operating officer of Taziki's Mediterranean Café.

★ **Kristin M. Walker, BS BA '03, JD '06**, of Denver is a shareholder at Polsinelli.

**Jane Di Leo, BA, BJ '05, MA '06**, of New York is vice president and chief of staff at American Express.

**Jason Ellis, BS Acc, M Acc '06**, of St. Louis is COO and CFO of the construction technology start-up, Ryvit.

**Scott Strawn, BS ME '06**, of Kansas City, Mo., is U.S. sales and marketing director for the Energy Group at Burns & McDonnell.

★ **Eric Gibbs, BA '07**, of Chesterfield, Mo., is a president of Urkund, overseeing its North American expansion.

**Branden Gregory, BS BA '07, JD '11**, of Chicago is counsel at Tucker Ellis LLP.

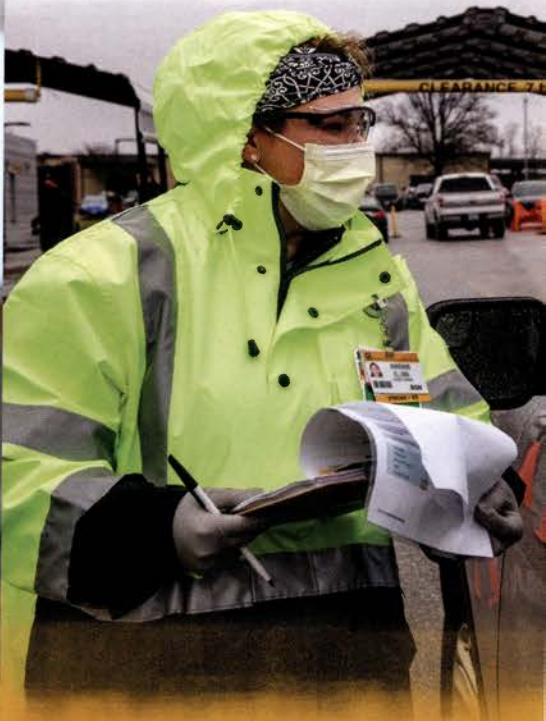
**Kyle Gottuso, BA '09, JD**





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'12, of St. Louis is a partner at Stinson LLP.

**Marisa Jeffrey O'Sullivan, BA '09**, of Dallas is a principal at Amy Stewart Law.

★★**Brandon Shipman, BS HES '09**, of Phoenix opened the independent insurance brokerage firm Arnold Insurance Co.

**2010 Roman Keselman, BA '10**, of St. Louis is a senior analyst at TriStar Cos.

**Thomas Lane, EdD '10**, of Manhattan, Kan., is vice president for student life and dean of students at Kansas State University.

**Jennifer Artman, JD '11**, of Kansas City, Mo., is partner at Shook, Hardy & Bacon.

**Tom Nagel, BJ '11**, of St. Louis is deputy director of communications for the office of Mayor Lyda Krewson.

**Jordan Kimrey, BS BA '13**, of Farmington, Mo., is vice president of commercial lending at Midwest Regional Bank.

**Jackson Hobbs, BA '14**, of Kansas City, Mo., is an associate in the Litigation & Dispute Resolution practice group at Lathrop GPM.

**Kyle Klemp, BA '15**, of St. Louis is special assistant for the office of Mayor Lyda Krewson.

**Christian Dunker, BS HES '16**, of Kansas City, Mo., is a wealth manager at Financial Partners Group.

**Thomas Franklin, BS, BS ME '16**, of Madison, Wis., was named to the Nature Conservancy Wisconsin board of trustees.

**Garrett Pratt, BA '16, JD '17**, of Kansas City, Mo., is an associate at Lathrop Gage.

★**Grant Bergman, BS ME '19**, of Wildwood, Mo., is a project engineer for Wiegmann Associates.

### Weddings

**Peter R. Dubrowski, BA, BJ '11**, and **Thomas Kessler** of New York Sept. 1, 2019.

**Jordon Griffin, BS FW '13**, and **Rae Gardner, BHS '13**, of Albia, Iowa, Dec. 14, 2019.

**George Hinde, BS BA '15**, and **Joanne Moore, BS HES '15**, of St. Joseph, Mo., Aug. 17, 2019.

**Ethan Roussin, BS BE '16**, of Festus, Mo., and **Amanda Byler, BJ '17**, of Phoenix June 15, 2019.

**Isaiah Butcher, BA, BS BA '17**, and ★**Emily Roth, BS '17**, of Middletown, Conn., Feb. 29, 2020.

### Births

**Matt Isaacson, JD '05**,

and **Katy Isaacson** of Scottsdale, Ariz., announce the birth of **Chase Darwin** June 3, 2019.

**Abbie Hesse Rothermich, JD '10**, and **David Rothermich** of Leawood, Kan., announce the birth of **Elizabeth Mary** Nov. 5, 2019.

### Faculty Deaths

**Mark Hinojosa**, of Columbia, Mo., Feb. 21, 2020, at 63. He was an associate professor of convergence journalism.

**Wayne McDaniel, BA '78, MS '82, PhD '85**, of Columbia, Mo., Jan. 10, 2020, at 64. He was associate director of the Technology Advancement Office.

★**Alexander L. Pickard**, of Columbia, Mo., Oct. 29, 2019, at 83. He was director of bands for Marching Mizzou for over two decades.

★**James L. Whitfield, BS Ag '47, MS '66**, of Webb City, Mo., Dec. 10, 2019, at 96. He served in the U.S. Army and was an agent with MU Extension.

### Deaths

★★**Virginia Lee Owens, BS Ed '42**, of Columbia, Mo., Oct. 16, 2015, at 94. She was a member of Kappa Kappa Gamma.

★★**Ruth Daniels, BS HE '43**, of Quincy, Ill., Oct. 12, 2019, at 98.

★★**Jeanne A. Moore, BSN '45**, of Bradenton, Fla., Feb. 12, 2020, at 97. She was one of the first students to receive a Bachelor of Science in nursing from MU.

★★**Louis Glauser, Jr., BS BA '47**, of Columbia, Mo., Jan. 30, 2020, at 96. He was a member of the 1945 undefeated Mizzou football team and served in the U.S. Air Force.

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## Where in the World Are Dorian and Kristine?

When Kristine Stewart's phone buzzes with a text from Dorian Lange, it's often a bat-phone moment: adventure time. "Dorian is constantly dragging me along on her hijinks," Stewart says. This time, the duo is plotting a trip to Ethiopia where they'll don Indiana Jones getups and visit a church where the Ark of the Covenant may be hidden.

As information scientists — Lange, MA '09, PhD '13, manages the library at Middlesex University Dubai and Stewart, MA '11, PhD '16, coordinates information literacy at Zayed University, Abu Dhabi — curiosity fuels everything they do. "It's like being detectives," Stewart says. "You ask a lot of questions and follow the clues." As for the costumes, those are for weekend sleuthing, and they remind Lange and Stewart to inject playfulness into their daily explorations.

The first clue that Lange and Stewart would end up in the library business overseas dates to 2009 when they were graduate students in Mizou's Library and Information Science Program. Lange, one year Stewart's senior, volunteered to teach English in Korea through the MU Asian Affairs Center, and Stewart followed the next year.

The second clue was that MU unequivocally supported their desires to take off on more international escapades. "Our adviser, Professor Emeritus John Budd, appreciated out-of-the-box thinking," Lange says. She remained two more years in Korea conducting research for her dissertation on censorship practices in Korea's public libraries. Stewart traveled to Scotland and studied the influence and authority of information sources in the Highlands.

The third clue was that, no matter how much Lange longs for Taco Bell or Stewart misses Target, they love living abroad. Lange moved to the United Arab Emirates in 2013, and Stewart followed shortly after. Since then, they've donned black tutus à la tennis player Serena Williams at



↑ Information scientists Dorian Lange, left, and Kristine Stewart love working (and playing) in the United Arab Emirates.

the French Open in Paris, stood front row center at an Elton John concert in Dubai, wore chili peppers to a Red Hot Chili Peppers concert in Abu Dhabi, and slid down the world's longest zip line in Ras al Khaimah.

Unfortunately, work contracts in the UAE aren't renewed after expats turn 60. But by then, they may well have located the Ark of the Covenant, the Crown Jewels of Ireland, and Sappho's lost poems, and it'll be time to retire stateside. — *Kelsey Allen, BA, BJ '10*

★ **Dell Keepers, BA '47**, of Columbia, Mo., Dec. 28, 2019, at 95. She was the director of public information for Stephens College.

★ **Thomas A. Yancey, BS BA '48, MA '49**, of Champaign, Ill., Dec. 31, 2019, at 97. He was a member of Delta Upsilon and served in the U.S. military in World War II.

★ **John G. Zivick, BS ME**

'49, of Rittman, Ohio, Nov. 17, 2019, at 95. He served in the U.S. Army and worked as a mechanical engineer for Packaging Corporation of America for 37 years.

★ **John R. Anderson, BS EE '50**, of Lexington, Ky., Dec. 26, 2019, at 96.

★ **Sidlee W. Leeper, BA '50, BS MED, MA '53**, of Rocheport, Mo., Jan. 27, 2020, at 90. He was a member of

Phi Kappa Psi and served in the U.S. Air Force.

★ **Ora Specker, BS Ag '50**, of Saint Joseph, Mo., July 10, 2019, at 91. He was a 1980 recipient of the Mizou Alumni Association's Faculty-Alumni Award and served in the U.S. Army.

★ **Lucy Kathryn Black, BS HES '51**, of Cary, N.C., Dec. 26, 2019, at 89.

★★ **Phillip Cohen, BS BA '51**, of Riverside, Calif., Dec. 21, 2019, at 90. He was a member of Alpha Tau Omega and served in the U.S. Air Force.

★ **Shirley W. Grimes, BS Ed '54**, of Maryland Heights, Mo., Dec. 1, 2019, at 87.

★★ **Richard Massa, BJ '54**, of Joplin, Mo., March 17, 2019, at 86. He served

in the U.S. Army.

★ **Edwin J. Merrifield, BS Ag '54**, of Kansas City, Mo., Feb. 16, 2020, at 87. He was a member of Farmhouse and served in the U.S. Army.

★ **Pete Corpeny, BJ '55**, of Kansas City, Mo., Dec. 25, 2019, at 86. He was a member of Sigma Chi and served in the U.S. Army.

★ **Leslie S. Fox, BS Ag '55**, of Charleston, Mo., Feb. 4, 2020, at 86. He was a member of Alpha Gamma Rho and served in the U.S. Navy.

★★ **Hal Miller, BS EE '55**, of Malden, Mo., Feb. 6, 2020, at 86. He served in the U.S. Air Force and completed over 30 years of government service with the U.S. Air Force and Civil Service.

★★ **Bill Raynor Jr., A&S '55**, of Eldon, Mo., July 3, 2019, at 85. He was a member of Kappa Alpha Order.

★ **Dale Griessel, BS BA '56**, of Columbia, Mo., Dec. 23, 2019, at 85.

**Jim Lehrer, BJ '56, DHL '03**, of Washington, D.C., Jan. 23, 2020, at 85. He was the co-founder of *PBS NewsHour* and a 2019 inductee in the Mizou Hall of Fame.

★ **Jerry L. Biggers, BS Ag '58**, of Brunswick, Ga., Nov. 6, 2019, at 86. He was a member of Phi Gamma Delta and served in the U.S. Army.

★★ **Robert G. Mockler, BA '58**, of Columbus, Ohio, Dec. 23, 2019, at 87.

**Larry Sampson, BJ '58**, of Denver Aug. 9, 2019, at 83. He served in the U.S. Army.

★★ **William "Bill" E. Baskett, BS BA '59**, of Nantucket, Mass., Dec. 17, 2019, at 88. He was a member of Alpha Tau Omega.



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**REMEMBERING**

★ **Ronald Dedert, BS Ag '59, MS '60**, of Quincy, Ill., Dec. 9, 2019, at 91. He worked internationally in Pakistan and Zambia as a research extension liaison officer for a joint project of the University of Illinois and the U.S. Agency for International Development.

★ **Jo Ann Henry, BS Ed '59**, of Greenwood, S.C., Oct. 6, 2019, at 81. She was a repeat Missouri State Baton Twirling champion and was featured on *The Ed Sullivan Show*.

★ **Charles W. Maupin, BS Ed '59, M Ed '60**, of Chillicothe, Mo., Oct. 12, 2019, at 82.

★ **Robert D. Allen, BS Ed '60**, of Overland Park, Kan., Dec. 10, 2019, at 82. He was a member of Marching Mizzou.

★★ **Michael Andersen, BJ '60**, of Lexington, Ky., Jan. 11, 2020, at 80. He served in the U.S. Army.

★ **Ellen Johnson Bonnette, BA '61**, of Winston-Salem, N.C., Sept. 30, 2019, at 80. She was a teacher for 36 years.

★ **Lewis Ellenberger, BS Ag '61**, of Springfield, Mo., Jan. 8, 2020, at 86. He was a member of Alpha Gamma Sigma and served in the U.S. Army.

★★ **Thomas A. Tucker, BS Ed '61, M Ed '64**, of Kirkwood, Mo., Jan. 7, 2020, at 81. He was a member of Alpha Tau Omega.

★★ **Charles J. Yaeger, Jr., BS BA '61**, of Camarillo, Calif., Nov. 3, 2019, at 79. He was a member of Delta Upsilon and served in the U.S. Navy.

★★ **William F. James, BA '62, JD '64**, of St. Louis Dec. 7, 2019, at 79. He was



## HE GOT THE STORY RIGHT

If there was ever a human embodiment of the core values of the Missouri School of Journalism, it was Jim Lehrer, who died Jan. 23. A Mizzou grad turned Dallas newspaperman turned national PBS broadcaster, Lehrer's career spanned six decades. Whether he was working in print or on the air, in a breaking-news dispatch or an investigative feature, Lehrer, BJ '56, had the same simple approach. "He was a firm believer in shoe-leather reporting," says Judy Woodruff, *PBS NewsHour* host and Lehrer's friend and colleague. "You work the streets, you work your sources, you work the phones, you do document reporting. You spend time on a story."

Taking time to get the story right was exactly what Lehrer and his PBS co-host Robert MacNeil meant to do when, in 1983, they extended their half-hour news program to create the *MacNeil/Lehrer NewsHour*, the first hourlong nightly news broadcast. Even as cable news networks and, eventually, the internet and social media created the 24-hour news cycle, dominated by quick news segments and long-winded pundits, Lehrer stuck to his principles. "He felt very strongly that we are here not to tell people what to think but to give them the information and let them make up their own minds," Woodruff says. "He understood the constant deadlines of social media today, but he continued to stress the importance of getting your facts straight." — *Tony Rehagen, BA, BJ '01*

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**1.** Do nothing I cannot defend. **2.** Do not distort, lie, slant, or hype. **3.** Do not falsify facts or make up quotes. **4.** Cover, write, and present every story with the care I would want if the story were about me. **5.** Assume there is at least one other side or version to every story. **6.** Assume the viewer is as smart and caring and good a person as I am. **7.** Assume the same about all people on whom I report. **8.** Assume everyone is innocent until proven guilty. **9.** Assume personal lives are a private matter until a legitimate turn in the story mandates otherwise. **10.** Carefully separate opinion and analysis from straight news stories and clearly label them as such. **11.** Do not use anonymous sources or blind quotes except on rare and monumental occasions. No one should ever be allowed to attack another anonymously. **12.** Do not broadcast profanity or the end result of violence unless it is an integral and necessary part of the story and/or crucial to understanding the story. **13.** Acknowledge that objectivity may be impossible but fairness never is. **14.** Journalists who are reckless with facts and reputations should be disciplined by their employers. **15.** My viewers have a right to know what principles guide my work and the process I use in their practice. **16.** I am not in the entertainment business.



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**1** *The Cup of Coffee Club* by Jacob Kornhauser, BJ '17 (Rowman and Littlefield, 2020)

**2** *Heart Health* by J Shah, MS '03 (Rowman and Littlefield, 2019)

**3** *The Federalist Frontier* by Kristopher Maulden, MA '05, PhD '12 (University of Missouri Press, 2019)

**4** *A Killer Secret* by Jeff Berney, BS BA, BJ '97 (BAQJAC Entertainment, 2019)

**5** *Joe DiMaggio Moves Like Liquid Light* Poems by Loren Broadbus, MA '90 (Andrews McMeel, 2019)

**6** *The Lines* by Anthony Varallo, PhD '05 (University of Iowa Press, 2019)

**7** *Ante-Animots: Idioms and Tales* by Nicholas Alexander Hayes, BA '99 (BlazeVOX Books, 2019)

**8** *Uproarious* by Cynthia Willett and Julie Willett, BA '89, MA '92, PhD '96 (University of Minnesota Press, 2019)

**9** *Thrive at Any Weight* by Nancy Ellis-Ordway, PhD '16 (Praeger, 2019)

**10** *The Rejuvenation Solution* by Robert Willix, MD '69 (Health Communications Inc., 2019)

**11** *Kilt in Scotland* by Patience Griffin, BS EE '93, MS '95 (Kilts and Quilts Publishing, 2019)

**12** *Crazy Fourth* by Toby Smith, BJ '68 (University of New Mexico Press, 2020)

**13** *A Shadowed Fate* by Marty Ambrose, Arts '99 (Severn House Publishers, 2020)

**14** *Implied Nowhere* by Shelley Ingram, MA '03, PhD '11; Willow Mullins, PhD '10; and Todd Richardson, PhD '11 (University Press of Mississippi, 2019)

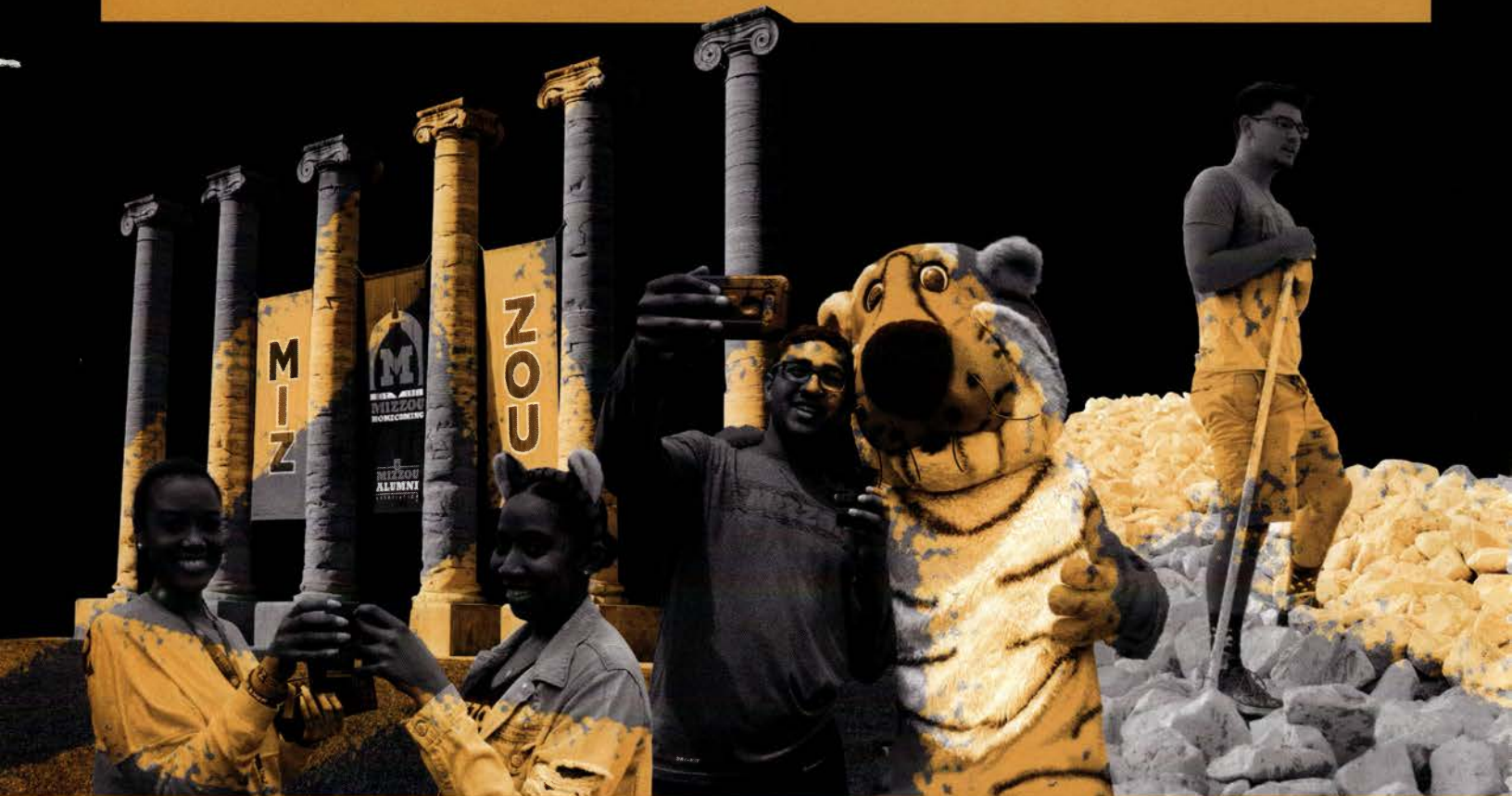
**15** *Oldguy: Superhero* by William Trowbridge (Red Hen Press, 2019)





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★ ★ **LaVerna Hatesohl, M Ed '63**, of Linn, Kan., Jan. 20, 2020, at 89. She was a fifth grade teacher at Russell Elementary School in Columbia, Mo., for many years.

★ **Jacquelyn Stamper, BS Ed '63**, of Columbia, Mo., Jan. 30, 2020, at 78. She was a member of Delta Gamma and taught in the Columbia Public Schools for more than 25 years.

★ ★ **Jane Andrae Vetter, BS Ed '63**, of New Orleans Aug. 25, 2019, at 78.

★ **William F. Berry III, BA '64**, Columbia, Mo., July 25, 2019, at 86.

★ **Charles B. Lusk, BS Ed '65**, of Leawood, Kan., Jan. 8, 2020, at 77.

★ **Thomas P. Sweeney,**

**MD '65**, of Springfield, Mo., Dec. 9, 2019, at 85. He was a member of Phi Delta Theta and cowrote two books.

★ **Edna Mae Farmer, BS Ed '68, M Ed '69**, of Centralia, Mo., Dec. 17, 2019, at 73. She was a math teacher and school counselor.

**Judith Ann Sampsel, MS '71**, of Macon, Mo., Sept. 16, 2019, at 78.

★ **Davis A. Beaver, BS BA '72**, of Prairie Village, Kan., July 10, 2019, at 84. He was a member of Phi Delta Theta and served in the U.S. Army.

★ ★ **Ruth Ann Doerhoff, BS Ed '72, MA '73**, of Jefferson City, Mo., Jan. 15, 2020, at 69.

★ **Mark Sellmeyer, BS Ag '73**, of St. Peters, Mo., Feb. 2, 2020, at 68.

★ **Mary Monk Asbell, MA '74**, of Lubbock, Texas, Aug. 28, 2019, at 71.

★ ★ **William Louis Perry, BS BA '76**, of St. Louis, Jan. 23, 2020, at 73.

★ ★ **Phillip Alan Tate, BS BA '76**, of Gallatin, Mo., Dec. 22, 2019, at 73. He was a member of Kappa Alpha Order and was elected to six terms in the Missouri State Legislature.

★ **Sallee B. Purcell, MSW '78**, of Columbia, Mo., Sept. 5, 2019, at 77.

★ ★ **Douglas Kohlbrecher, BS '98**, of Gladstone, Mo., Jan. 23, 2020, at 44.

★ **Hannah Martine, BJ '08**, of San Diego Feb. 25, 2020, at 34. She was a devoted member of the Susan G. Komen San Diego community and was San Diego's 2016 Race for the Cure Honorary Survivor.

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# A Real Puzzler

This Missouri farmer's side hustle is making puzzles for *The New York Times* and other outlets.

He's called a constructor. Not a creator. Not a designer. Not a torturer.

Jason Mueller, BS, BS '05, MA '07, constructs crossword puzzles for *The New York Times* and other outlets. It's no *slice of birthday confection* (PIECE OF CAKE).

If the crossword has a theme, Mueller sets the themed answers first to anchor the grid, followed by the blacked-out *boringly conventional people* (SQUARES). Then, he goes to work on the "fill." He does as much of this by hand as possible but relies on software for tricky "interlocks," or entry crossings.

"J, X and Z can be hard to work with," says Mueller, adding that words with vowels are prized interlockers. "Brian Eno might be more famous in crossword puzzles than in real life because his name is quite useful."

When he's certain the completed grid has no duplicate words or *editorial finger failures* (TYPOS), he writes the clues. For one crossword, Mueller's clues contained the answers in the form of hidden anagrams of cats (such as CHEETAH hidden in MATH TEACHER). The theme was "Meow Mix."

— Dawn Klingensmith, BA, BJ '97



1	2	3	4	5		6	7	8	9
10						11			
12						13			
14					15				
			16	17			18		
19	20	21		22		23			
24			25			26	27	28	29
30					31				
32					33				
34					35				

↑ Can you solve Jason Mueller's Mizzou puzzle? Find the answers at [tinyurl.com/mizzou-crossword](http://tinyurl.com/mizzou-crossword).

## Across

1. Domed hall at Mizzou
6. Mizzou alum Jon who starred as Don Draper on *Mad Men*
10. Sketched
11. University Philharmonic Orchestra instrument
12. Urged (on)
13. Former Mizzou football Coach Pinkel
14. David Francis' gets rubbed for As
15. Actor Davis
16. 70, at A.L. Gustin
18. Listener
19. Mizzou alum and former Congressman Skelton
22. One in the same party as Mizzou alums Claire McCaskill and Tim Kaine
24. Tripping illegally
26. "It's \_\_\_!"
30. Mizzou basketball coach and baseball pitcher Stewart
31. Mizzou Professor George who pioneered phage display and won a 35-Across
32. Good, in Rasta lingo
33. Radical Hoffman
34. Mizzou alum Sheryl with nine Grammy Awards
35. Prize for Mizzou's 31-Across

## Down

1. Former Mizzou wrestler Cox with three NCAA titles and an Olympic bronze medal
2. Thus
3. Droops
4. Ideal result for a Tigers baseball series
5. Defensive \_\_\_ (position for Mizzou's Michael Sam and Shane Ray)
6. Another name for the Tigers' foes in the Battle Line Rivalry
7. What MU and KU fans may do to one another
8. Mining area in *The Lord of the Rings*
9. Urban who was the opposing coach in Coach Pinkel's first game at Mizzou
15. Galena or bauxite
17. Enroll for another course
19. Style of Mizzou's famed Columns
20. Soup mix brand
21. "The river" in Mexico
23. It may be learned in a Mizzou dance class
25. Diving duck
27. Last name for each of the Bee Gees
28. Mizzou's 1994 game against Hawaii was the last Tigers football game to result in \_\_\_
29. *The Giving Tree* author Silverstein
31. Former Mizzou QB Blaine Gabbert started 13 games for the \_\_\_ Francisco 49ers





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**Sarah Swoboda, BS BA '18**  
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