

Washington

SUMMER 2015



**GLOBAL IMPACT.
LOCAL SOLUTIONS.**

Washington University researchers work together with international partners to address some of the world's most complex health challenges.



The Cortex Innovation Community is helping reposition St. Louis as a life sciences and technology hub, pg. 24.

Cortex



COVER FEATURE: Global engagement and public health are two key Washington University initiatives. Three esteemed faculty members – (from left, front cover) Gary Weil, MD, Lora Iannotti, PhD, and William Powderly, MD – are among those at the university working with local public health officials to fight infectious diseases, malnutrition, water contamination and more in Haiti, Africa and beyond, pg. 10. (Cover photos: Joe Angeles & James Byard; Haiti photo above: Hector Retamal/Agence France-Presse)

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The digital version of *Washington* magazine is being reimagined. Look for an update on the new site in the fall print edition.



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James Byard

James Byard

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Alexander Cox, BSME '14, MSAE '14, was named the Air Force Cadet of the Year at a Pentagon ceremony in December 2014, pg. 49.

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Power of Partnerships

Mark Katzman



“This determination to make the world a better place ... is woven into the fabric of the university. But we do not take on this challenging work alone.”

— Mark S. Wrighton

Commencement is my favorite time of year. And by the time you receive this issue of *Washington*, we will have celebrated our 154th Commencement ceremony, sending more than 2,950 graduates into the world to generate great impact in communities near and far.

This drive, this determination to make the world a better place, is not just in our graduates’ DNA; it is woven into the fabric of the university. But we do not take on this challenging work alone. A key part of our efforts has been our ability to develop and foster long-term sustained partnerships with individuals and organizations. In this issue of the magazine, we explore some of these relationships and how these partnerships are helping improve the lives of St. Louisans as well as people around the world.

Locally, the Brown School recently celebrated a 40-year partnership — one of our longest and most successful — with the Family Resource Center. Founded in 1974 with the help of Brown School faculty and students, the center gives children from abusive environments an opportunity for a better life. The center, through collaborations with our social work students, faculty and graduates, is closer than ever to establishing a model for the elimination of chronic child abuse.

Another set of partnerships is behind the success of the Cortex Innovation Community in midtown St. Louis. Where vacant lots and decaying buildings once stood are now state-of-the-art incubators and laboratories. Along with the city of St. Louis, we are partnering with other founding institutions — BJC HealthCare, Missouri Botanical Garden, Saint Louis University and University of Missouri—St. Louis — to create an innovative bioscience and technology hub, which

will drive job growth through the development of new enterprises, providing opportunities for our faculty to commercialize their research advances.

Partnerships fuel our international efforts too. Indeed, our lead international initiative in its 10th year is the McDonnell International Scholars Academy, a partnership with 28 other premier research universities to enhance collaborative efforts in education and research. One of the important collaborative themes is global public health, and our cover story features some of the important work we are doing in global health, drawing on university strengths in infectious disease and malnutrition research.

To encourage and support more of these global health efforts, our Institute for Public Health’s Global Health Center develops sustained partnerships across our campuses and around the world in order to address some of the world’s most pressing public health challenges. To this end, we see great opportunity to leverage the important relationships we’ve built with our 28 McDonnell International Scholars Academy partner universities.

Changing the world is on the minds of many at the university, including our most recent graduates. I am confident that you will see many of them, regardless of their degree or career path, featured one day in the pages of this very magazine. I look forward to seeing how they use their time, talent and treasure as they progress through their postgraduate lives and contribute to making the university, St. Louis and the world a better place.

I hope you enjoy this issue of *Washington*. As always, we welcome your comments and ideas. Please email the editor at wustlmageditor@wustl.edu with your thoughts. Thank you for your interest and support.

Sincerely,

Mark S. Wrighton
Chancellor

Commencement
by the numbers

154 Number of Commencements in
Washington University history

48 Number of countries represented
at the 154th Commencement
(including the United States)

2,975 1,444 undergraduate degrees
awarded; 1,531 graduate and
professional degrees conferred

>22,000 Number of views Ken Burns'
Commencement address received
on YouTube

(Photo: Joe Angeles)





Chemicals and Early Menopause

Women whose bodies have high levels of man-made chemicals commonly found in plastics, personal-care products, household items and the environment could be at risk for early menopause, according to a study from Washington University School of Medicine.

Amber Cooper, MD, assistant professor of obstetrics and gynecology, was the senior author

of the study, published in the journal *PLOS ONE*. Though the study doesn't show causation, it reveals a worrying link between high levels of certain chemicals and menopause starting up to two years earlier than normal.

"Many of these chemical exposures are beyond our control because they are in the soil, water and air," says Cooper, who worked with researchers at the University of Missouri–Kansas City School of Medicine and the Wadsworth Center at the State University of New York at Albany to complete the study. "But we can still educate ourselves about day-to-day chemical exposures and become more aware of the plastics and other household products we use."

Cooper recommends not microwaving food in plastic containers and learning more about chemicals in personal-care products and food packaging.

"Earlier menopause can alter the quality of a woman's life and has profound implications for fertility, health and our society," Cooper says.



LaTanya Buck, PhD

"[Students are] asking what they can do as youth to enact some social and positive change."

— LaTanya Buck, PhD

Center for Diversity and Inclusion's Timely Arrival

With groups for nearly everyone on campus — African Student Association, Ashoka and Hong Kong Students Association, to name a few — many wondered about the need for a Center for Diversity and Inclusion.

But the new center aims to connect people of different backgrounds and ideologies, creating a space for conversations, cooperation and community-building. The center's director, LaTanya Buck, PhD, joined the university just a month before the August 2014 tragedy in Ferguson, an event that sparked the very dialogues that Buck wants to foster. Students immediately wanted to get involved.

"They're asking what they can do as youth to enact some social and positive change," Buck told National Public Radio last fall. "For me, it's been a very beautiful experience to witness."

Buck hopes to keep challenging students to have meaningful conversations with each other and the wider St. Louis community on a range of diversity issues.

Leading a Scientific Society

In the spring, the American Association for the Advancement of Science (AAAS), the world's largest general scientific society, announced that Barbara A. Schaal, PhD, dean of the Faculty of Arts & Sciences, was its new president-elect.

Schaal, who is also the Mary-Dell Chilton Distinguished Professor in the Department of Biology and a world-renowned evolutionary plant biologist, will begin her one-year term as president of the AAAS in 2016. In February, she began a three-year term as an officer and member of the AAAS board of directors' executive committee.

"I am looking forward to my term as AAAS president," says Schaal, who recently served as chair of the AAAS section on biological sciences. "I'm particularly interested in communicating the value of the basic research enterprise for our nation's economic future and the well-being of citizens."



Barbara A. Schaal, PhD

New Online Journal Launches

In winter 2014 Washington University launched *The Common Reader*, an online and print journal that offers thought-provoking articles, reviews and essays on issues scientific and artistic, social and political.

"We want to help shape the national conversation and debate about essential issues of our time," says Gerald Early, PhD, the Merle Kling Professor of Modern Letters in Arts & Sciences and editor of *The Common Reader*.

The spring issue, titled *Plates, Pods, and Politics*, is all about food, and it features articles on George Washington Carver, genetically modified organisms, and agriculture and sustainability in West Africa.

Amy E. Farrell, professor of American studies at Dickinson College and author of *Fat Shame: Stigma and the Fat Body in American Culture*, tackles the obesity stigma. In her article, "Fat Shame," she writes about *The Weight of the Nation*, a 2012 HBO documentary about America's obesity epidemic.

"It is quite astonishing that the filmmakers would title their film with a wordplay on *Birth of a Nation*, considering the extent to which black people in that film are presented as less than fully human," Farrell writes. "But perhaps it should not be so astonishing – [the obese are] just an updated pariah who threaten to contaminate the nation."

The film scapegoats the overweight, claiming they could eventually "crush the nation."

"The name *The Common Reader* has a literary pedigree. It was used by Samuel Johnson, by Virginia Woolf," Early says. "We want people to think of it as a place where strong individual voices speak to readers and also to one another. But this is not a place that requires specialist knowledge. *The Common Reader* is for anyone who loves good writing and the expression of good ideas."

Visit the journal online at commonreader.wustl.edu.



Digitizing Freedom

When Dred and Harriet Scott sued for their freedom in the St. Louis Circuit Court in 1846, they were following a long line of Missouri freedom suits. Though Scott lost his famous case in a Supreme Court decision that would push the country into the Civil War, in many less prominent cases, slaves were victorious. For example, Nancy, a free woman kept as a slave, won a suit for "trespass, assault and battery and false imprisonment."

More than 300 similar case records were discovered covered in coal dust several decades ago in the St. Louis Circuit Court basement. After the finding, the St. Louis Circuit Court Archives partnered with Washington University Libraries' Digital Library

Services, which, with help from a grant from the Institute of Museum and Library Services, digitized the freedom suits and other cases and court records.

In addition, the library developed a model for encoding historical legal documents, and Washington University's Humanities Digital Workshop developed tools to help researchers explore the online archive.

"Apart from *Dred Scott*, I don't think people are aware of these other suits that represent a part of the struggle for freedom, and an important one," says Andrew Rounner, director of the digital library and project director. "The fact that the law provided for [such suits to be brought] at all is fairly extraordinary."

"I don't think people are aware of these other suits that represent a part of the struggle for freedom, and an important one."

– Andrew Rounner

Herb Weisman/Washington University Archives



(Above) Residents of Pruitt-Igoe housing complex on St. Louis' near north side in May 1964. "The Divided City" is examining segregation and other urban issues, taking St. Louis as a base, but also looking at a range of global cities.

University Launches 'The Divided City'

Legal segregation may be over, but segregation is hardly a thing of the past. The scars are deep and continue to divide along racial, cultural and economic lines.

In fall 2014, the university launched "The Divided City: An Urban Humanities Initiative." The \$1.6 million project – funded in part by a four-year, \$650,000 grant from the Mellon Foundation and by the university – is examining the history and the present-day reality of segregation from many perspectives, including anthropology, architecture,

business, economics, landscape architecture, law, public health, social work and urban design.

"St. Louis is a particularly resonant place from which to pose these questions," says Jean Allman, PhD, director of the Center for the Humanities in Arts & Sciences and grant co-principal investigator. "It sits on the border between North and South," continues Allman, the J.H. Hexter Professor in the Humanities and professor of history, "and it has profound legacies of racism and segregation, of expansion and decline."

The city also has seen many important – and several infamous – milestones in U.S. race relations. These include the Dred Scott case (1857); *Shelley v. Kraemer* (1948), which outlawed racially restrictive real estate covenants; and the unrest surrounding the police shooting of unarmed teenager Michael Brown in August 2014.

"Segregation remains one of the most vexing problems in urban studies," says co-principal investigator Bruce Lindsey, dean, College of Architecture/Graduate School of Architecture & Urban Design in the Sam Fox School of Design & Visual Arts. "[It] continues to play out in housing, in environmental risk, and in access to food, transit, health care, education and other basic services."

Allman adds, "Today, for the first time in history, the majority of humanity lives in cities and urban areas. 'The Divided City' takes St. Louis as a base, but also looks at a range of global cities like Shanghai, Johannesburg, Nairobi and Rio."

Shutterstock



Eads Bridge, over the Mississippi River

Studying the Mississippi

Flood. Drought. Flood. Each year, residents along rivers like the Mississippi hold their breaths and wait to see what the weather will bring.

With climate change making weather even more erratic, John Hoal, PhD, associate professor and chair of the Master of Urban Design Program, and Derek Hoeflerlin, assistant professor, both in the Sam Fox School of Design & Visual Arts, decided to hold "MISI-ZIIBI: Living With the Great Rivers." The conference assembled international experts from relevant disciplines to discuss how best to live by the river. (*Misi-ziibi* is an old Ojibwe word for "great river.")

"Whenever you start a water-based conversation in the community, it's usually a nonstarter," says Hoeflerlin, "because people instantly get worried and nervous. But such conversations are critical."

Inspired by the conference and a subsequent one – both co-hosted by the Netherlands Embassy in Washington, D.C. – Hoal and Hoeflerlin applied for, and in 2014 were awarded, a university I-CARES grant to improve the Mississippi's river management. The two also are working with a team of experts to design a better river-management system for the lower Mississippi River Delta in New Orleans.

"The research methodology we want to develop is a template that can be transferred to any kind of river region," Hoeflerlin says.

Interactive Composition

Noun: A composition or improvisation where software interprets human interaction to modify or enhance the composition.

BY ROSALIND EARLY

In the mid-1980s, when computers were starting to become household items, trombonist George Lewis began experimenting with “computer music” and created *Voyager*, a sound-processing software that responded in real time to one or two other human players.

Since then, this type of music, now called interactive composition, has spread to video games, dance music and other genres.

But interactive composition is a problematic term. “[The software] has a very detailed algorithmic architecture, a set of sounds, tone colors, virtual instruments,” says Paul Steinbeck, PhD, assistant professor of music theory and composition in Arts & Sciences. “So it fits all of the requirements of a composition. ... But at the same time, anything can happen, and there’s a real-time interaction that’s completely undetermined. I’m not sure whether it’s composition or improvisation or something in between.”

David Marchant, professor of the practice in the Performing Arts Department in Arts & Sciences, would consider interactive composition more an act of improvisation. In 2007, he performed the interactive dance *Leonardo’s Chimes*. Marchant, along with musician John Toenjes and computer programmer Ben Smith, both from the University of Illinois at Urbana–Champaign, created a computer program that produced music generated by dancing.

The space where Marchant danced had interactive areas that triggered sounds. “Then John remixed the sounds that my movement generated,” Marchant says. The music inspired Marchant’s dancing. “So it’s this big three-way conversation going on between the computer; the re-mixer; and me, the mover-generator of sounds.”

Marchant, who is known for his improvisational dancing, received a one-month fellowship in 2014 to visit Mutianyu, China, where he and his wife, Holly Seitz Marchant, gave site-specific performances in the local landscape.



Courtesy of David Marchant

Professor of the Practice David Marchant performing *Leonardo’s Chimes*, an interactive dance.

“In a studio, you basically have an empty box, and then you have to fill it with whatever comes out of your own body or imagination,” Marchant says. “What I really love about working with a specific location is that I have to become interactively responsive to the ‘other,’ whether that is a tree, a rock or the way a computer interprets my actions.”

For Rich O’Donnell, director of the Electronic Music Studio in the Department of Music and principal percussionist for the St. Louis Symphony for 43 years, the key to interactive composition is the interaction. An innovative and experimental musician, O’Donnell has created new instruments and even a new drumming technique. He also programs software to conduct free improvisation.

“[With] free improv, you make up the rules as you go. The idea of form becomes a verb rather than a noun,” O’Donnell says. “I use a lot of randomness in the computer program interaction. With enough random functions built in and algorithms that are intended to generate a lot of unexpected events, it gives you a lot of possibilities to explore.”

For O’Donnell, exploring those possibilities is what makes interactive composition so fascinating. “You can play along. You can accompany. You can argue. You can debate, which is something I like to do. I don’t like always to agree, because that sounds boring after a while.” He pauses. “It’s much more difficult than reading music. You don’t have to be very gifted to read a novel. You do to write a novel.” 🤖

“[Improvisation] is much more difficult than reading music. You don’t have to be very gifted to read a novel. You do to write a novel.”

– Rich O’Donnell

Brown's 40-Year Partnership Helps Children of Abuse

BY ROSALIND EARLY

Six years ago, Jim and Bobbie Jo Parker, recently licensed foster parents, got the call. Some children had just been rescued from a violent home in northern Missouri. Would the Parkers be willing to take in two?

The Parkers readily agreed — so readily, that the social worker called back a few minutes later.

"What if it's five children? We don't want to split them up right now. It would be temporary..." Jim and Bobbie Jo exchanged glances. They already had two foster kids staying with them. Did they really think they could handle seven children, five of whom were terribly abused, all at once?

"Sure, we can take all five," they agreed.

The children entered the house shyly, their timid steps due as much to bruises as to nervousness. Before that, they'd been at the hospital, because one of them, the oldest girl, had been beaten so badly she could hardly walk.

"I will never forget the looks on their faces," Bobbie Jo recalls. "They were very scared, very sad, very physically hurt children. We got them to bed, and we promised them over and over again that we would keep them safe."

The children had survived years of horrible abuse that included beatings, sexual assaults, neglect and verbal abuse, and it had done its damage. Developmentally delayed, distrustful, withdrawn — any one of them alone would have been a challenge to seasoned foster parents.

Greg Echele, chief executive officer of Family Resource Center (FRC) — whose affiliated company, Children's Permanency Partnership, licensed the Parkers to become foster parents — remembers the case. "Usually, these kids would have been split into five homes or maybe two and two and one, because normally foster parents wouldn't think they had the ability to take five injured kids at one time," Echele says. "I've never seen that happen in all of my years."

And Echele has been involved in the prevention of child abuse for decades.

Prior to helping found FRC in the 1970s,

Echele was the director of social services at St. Louis Children's Hospital and was responsible for developing several new programs, including one that would help the hospital better manage cases of suspected child abuse.

Simultaneously, at Washington University, Bob Pierce, MSW '69, PhD '79, then a professor at the Brown School, wanted to create a stand-alone non-profit center to serve abused children and abusive adults before kids wound up in the emergency room.

In 1973, Pierce was teaching a course at Brown in child-abuse treatment and prevention, and he and two graduate students discovered that the federal government was looking to develop model programs around the country to do the very thing that Pierce envisioned and Echele was trying to set up at Children's Hospital.

Though they didn't know each other, Pierce called Echele, and together, along with two social work graduate students, Phyllis Rozansky, MSW '74, and Susan Keller, AB '72, MSW '73, they wrote the grant proposal for FRC. Pierce, Rozansky and Keller searched the literature for the best evidence-based practices for the center's potential programs. Echele built up the infrastructure, securing a partnership with Children's Hospital to get doctors to oversee potential programs and help the center administratively.

In the end, though, the most long-lasting partnership that emerged was the one between Washington University and FRC, founded in 1974. A few years later, after the federal grant money expired, Children's Hospital helped the center become fully independent, and Washington University faculty and students have remained a critical part of the center ever since.

"All Brown faculty do community-engaged research," says Melissa Jonson-Reid, PhD, professor of social work, who works closely with FRC. "There's an advantage to having agencies that are eager to partner, because this allows the agency and faculty to advance and improve outcomes."

Nine Brown School faculty members work with the Family Resource Center on program development and evaluation. The center, therefore, gets improved, evidence-based programs, while

"One of our goals with the Brown School is to develop the definitive model for the elimination of chronic child abuse."

— Greg Echele, CEO, Family Resource Center



Prior to adopting, the Parkers received extensive foster-care training through FRC, and their children all had individualized treatment programs.

faculty members conduct research on child welfare and child maltreatment. The partnership also offers social work students practicum opportunities.

FRC's flagship programs include a therapeutic day-treatment preschool for children between 3 and 5 years of age who have suffered abuse, a family treatment program to help parents break the cycle of abuse, and a foster-care program for children who can't stay safely with their families. PathBuilders, another key program, addresses both the psychological and the social/environmental contributors to child abuse. Dealing with root causes, such as unemployment, increases the likelihood for successful outcomes. These FRC programs and others are rigorously reviewed and grounded in evidence-based practices.

"One of our goals with the Brown School is to develop the definitive model for the elimination of chronic child abuse," said Echele in a 2007 issue of the Brown School's magazine, *Social Impact*. "We want to examine each program for its evidence base, document the evidence if it doesn't exist currently or find new interventions that are rooted in evidence."

A few years ago, J. Curtis McMillen, PhD, then a professor at the Brown School, reviewed more than 100 evidence-based practices with

the family treatment department at FRC. Of the evidence studied, the staff implemented seven new programs including trauma-focused cognitive behavioral therapy, motivational interviewing and parent-child interaction therapy (PCIT), which teaches parents how to help a child with social and behavioral problems increase pro-social behavior and decrease negative behavior. More recently, a Brown School doctoral candidate, Paul Lanier, PhD '13, studied PCIT program participants and showed that parents who completed PCIT had statistically significant improvements in mental health and reduced parenting stress.

F. Brett Drake, PhD, professor of social work and Lanier's graduate adviser, says the partnership offers a critical link between theory and practice.

Jonson-Reid, who is also director of the Center for Violence and Injury Prevention, concurs. "However, it isn't just a passive partnership on one side," she says. In 2009, when Jonson-Reid was setting up her center, she turned to FRC for advice.

A shared desire to help abused children


and their families brought a professor, two students and Echele together 40 years ago. "And that theme has run through the Family Resource Center all these years," Echele says.

The strength of FRC helped the Parkers. The parents received extensive foster-care training, and the children each had an individualized treatment program. And with FRC's help, the Parkers adopted four of their new charges (the fifth child moved to live with her biological father).

Echele remembers when the adoption was being finalized; the Parkers asked the kids if they wanted to choose a new name to signal their new beginning. The second-youngest of the siblings, who was only 3 at the time, enthusiastically replied, "Spiderman!"

The Parkers weren't sure what to say, but one of his cousins asked, "Do you know what Spiderman's real name is?" The boy shook his head no.

"Peter Parker," the cousin replied.

Echele says that such endings make the work gratifying. "After all of the misery these kids go through, we get to be the people who break the cycle of violence and really allow them to have a better life than they would otherwise," Echele says. 



FRC BY THE NUMBERS:

40

Number of years FRC and the Brown School have partnered to improve Missouri's child welfare system and help area families build a brighter future

>7,000

Number of children and other family members whom FRC helps each year

65

Number of children FRC worked with when first awarded a federal grant in 1974

82%

Percentage of children FRC serves who live in families with incomes below the federal poverty line

85%

Approximate percentage of children who can safely stay with their parents after the family completes an FRC program

On the Road to



The Ivory Coast is one of eight countries participating in the Death to Onchocerciasis and Lymphatic Filariasis (DOLF) Project. With a mission to control and eliminate certain worm diseases, the DOLF Project brings together international researchers with in-country health ministries and other partners to develop and test improved treatments. Supported by the Bill & Melinda Gates Foundation, the global effort is led by Gary Weil, MD, professor of medicine and of molecular microbiology, Washington University School of Medicine. (Photo: Issouf Sanogo / Agence France-Press)

Global Health

A woman in a patterned skirt and grey shirt walks away from the camera on a dirt path. She is balancing a silver tray on her head, which holds several coconuts. The path is lined with tall grass on the right and leads towards several small, rustic huts with thatched roofs. The background is filled with lush green trees under a bright sky.

Washington University researchers and international partners go to great lengths to help solve some of the world's most pervasive health challenges.

BY TERRI NAPPIER

From Brazzaville, the Republic of the Congo's capital city, Gary Weil, MD, travels inland by truck to Madingou. The distance is only 250 kilometers (155 miles), but the road conditions are poor. Deep ruts and churned-up dirt turn a trip of 2½ hours into seven. Weil says it is like "driving through chocolate powder." He strains through the ubiquitous dust to see large trucks loaded with supplies, and often masses of men, careening in both directions. Such conditions cause vehicles to crash, overturn and, at times, plummet down cliffs. The drive is not for the faint of heart.

Weil, professor of medicine and of molecular microbiology at the Washington University School of Medicine, arrives safely in the small capital town of the Madingou District. His research team's base camp is located here in Congo's Bouenza region. A tiny laboratory within a small, tin-roofed hospital serves as a training facility for his French counterparts and in-country partners.

From Madingou, Weil and the team venture north to their field-study site. Along the way, the group must cross the Niari River tributary on a small barge. The flat-bottomed boat has no motor, so the ferrymen use the river's current to guide the vessel back and forth from shore to shore. It can take 30 to 45 minutes to cross the slim waterway. Once on the other bank, the team resumes its journey, stopping at the third village, Séké Pembé.

At this rural site, researchers are conducting a multiyear study to determine whether a novel mass drug administration (MDA) program can effectively treat and ultimately eradicate certain worm diseases. Such parasitic diseases affect nearly 2 billion people and cause major disability for millions around the globe.

Considered "neglected," these tropical diseases do not garner the same level of international funding as HIV/AIDS, malaria and tuberculosis.

"AIDS, malaria and TB are very serious global diseases, causing many deaths," Weil says. "But in terms of numbers, many more people are infected with these helminth (worm) diseases, which cause chronic illnesses and disability — blindness and an inability to walk."

Lymphatic filariasis (LF), for example, is a leading cause of disability worldwide and affects a reported 120 million people, with more than 1.4 billion people across 70-plus countries in tropical and subtropical regions at risk. LF, which is spread by mosquitoes, causes elephantiasis — massive swelling and deformity of the legs.

Another parasitic disease, onchocerciasis (oncho), also called "river blindness," impacts 33 million people who live and work near rivers in sub-Saharan Africa. Spread by small black flies, oncho causes blindness and severe skin disease.

A Global Network

📍 Weil Lab

📍 Partners

📍 Field Sites

"About 500 million people take these medicines each year, and the program is making good progress in many areas."

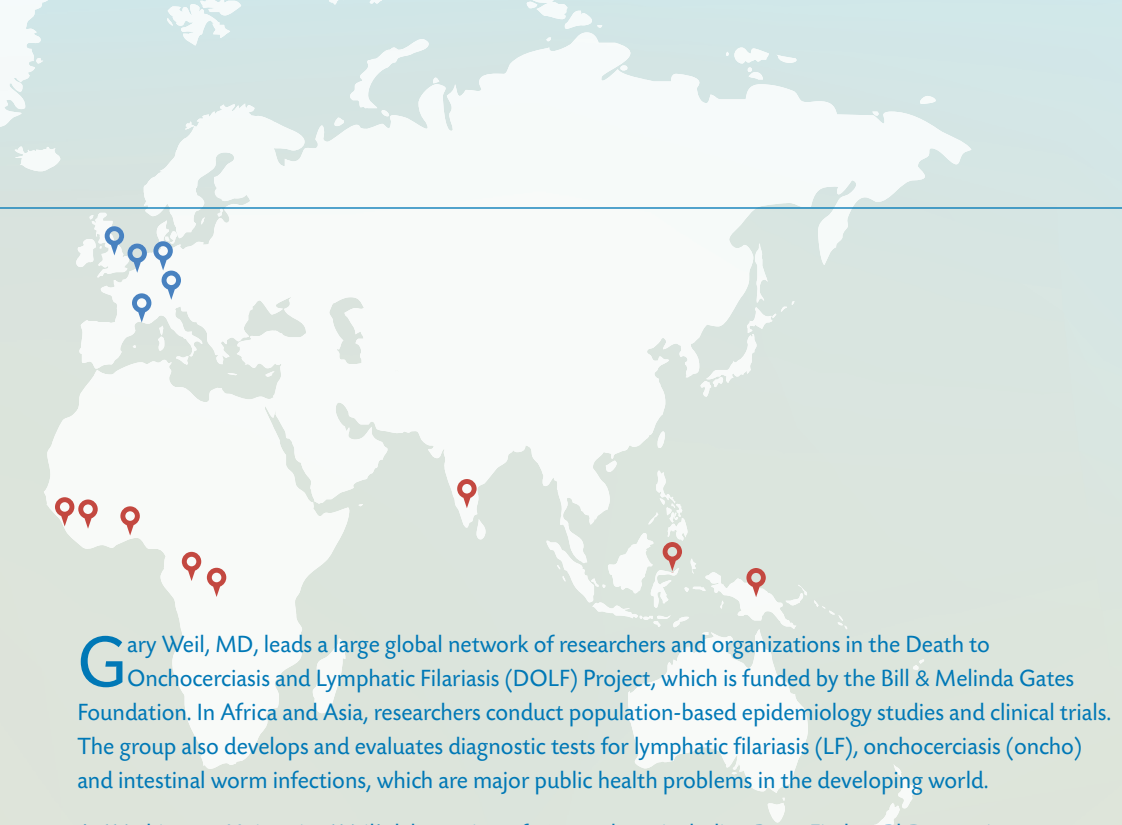
—GARY WEIL, MD



James Byard

Weil has been studying these afflictions for decades. The road to progress has been long, but current MDA programs offer reasons for optimism.

"In the case of LF, if 70 percent of the people take the free medicines once or twice a year for a period of five years, we can rid most areas of the disease," Weil says. "About 500 million people take these medicines each year, and the program is making good progress in many areas. However, some countries have not started MDA programs yet, and some ongoing programs face significant challenges."



Gary Weil, MD, leads a large global network of researchers and organizations in the Death to Onchocerciasis and Lymphatic Filariasis (DOLF) Project, which is funded by the Bill & Melinda Gates Foundation. In Africa and Asia, researchers conduct population-based epidemiology studies and clinical trials. The group also develops and evaluates diagnostic tests for lymphatic filariasis (LF), onchocerciasis (oncho) and intestinal worm infections, which are major public health problems in the developing world.

At Washington University, Weil's lab consists of 12 members, including Peter Fischer, PhD, associate professor of medicine, who calls the abundant resources available at the university a veritable "Disneyland for researchers." Case in point: Weil's lab collaborates with researchers from The Elizabeth H. and James S. McDonnell III Genome Institute's Helminth Sequencing Project, which is led by Makedonka Mitreva, PhD. Mitreva's group is conducting both basic genomic research and working on projects with practical goals, such as the development of improved diagnostic tests, vaccines and new drugs for parasitic diseases.

Merck & Co.*, Johnson & Johnson and GlaxoSmithKline donate the drugs for the mass drug administration programs, and the U.S. Agency for International Development and Britain's Department for International Development support the funding to distribute them. Ministries of health and NGOs help with in-country planning and organization. And the Gates Foundation funds operational research to study the effects of these mass treatments and to find ways to improve the regimens. The foundation hopes this research will generate new knowledge that can be used to shorten the time required to eliminate LF and oncho.

[*"Thirty years ago, half the adults who lived near rivers in African countries, where oncho occurred, were blind," Weil says. "After Dr. Roy Vagelos, a former chair of biochemistry, left Washington University to become CEO of Merck, he made the decision in the late '80s to support a massive donation program for Merck's anti-parasitic drug Ivermectin. His decision was revolutionary; nobody had done anything on this scale before. Despite dissension within the industry, Merck built a special factory to manufacture the donated medicine and established an NGO to distribute it. Today, the program provides more than 100 million treatments per year. So Dr. Vagelos represents another university connection in the long-term fight against these diseases."]

One challenge is complications caused by loiasis, a third parasitic disease that is common in areas of central Africa. Medications for treating LF and oncho can cause serious adverse effects, including coma and death, in those who also have loiasis. Weil's research team is investigating the effect of a novel treatment for LF that is safe to use in areas with loiasis.

An additional benefit of the MDA programs for LF and oncho, by contrast, is that the drugs used to treat those infections are also effective against intestinal roundworms, another public health

problem in the tropics. Weil's group is working to quantify this side benefit. Intestinal roundworms represent a formidable problem: Close to a billion people have giant roundworms, and 800 million and 700 million, respectively, have whipworms and hookworms. These soil-transmitted diseases cause severe anemia, and they impair growth and cognitive development in children, who are especially vulnerable to the effects of these worms.

The Séké Pembé study is part of a much larger global effort, the Death to Onchocerciasis and Lymphatic Filariasis (DOLF) Project, which is

Partners

Case Western Reserve University, Cleveland, Ohio, United States

Centre for Neglected Tropical Diseases, Liverpool School of Tropical Medicine, United Kingdom

Erasmus Medical Center, Rotterdam, Netherlands

George Washington University Medical Center, Washington, D.C., United States

Institut de Recherche pour le Développement, Montpellier, France

Institute of Medical Microbiology, Immunology and Parasitology, Bonn, Germany

Swiss Tropical and Public Health Institute, Basel, Switzerland

Washington University, St. Louis, Missouri, United States

(in addition to ministries of health, research centers and universities in host countries)

Field Sites

Democratic Republic of the Congo

Ghana

Indonesia

Ivory Coast

Liberia

Papua New Guinea

Republic of the Congo

Sri Lanka

supported by the Bill & Melinda Gates Foundation. The DOLF Project is part of the foundation's program "to reduce the burden of neglected infectious diseases on the world's poorest people."

Weil serves as the DOLF Project's primary investigator. His lab caught the attention of the Gates Foundation because of its three decades of research and field studies. In an early effort, for example, Weil and his laboratory created a novel test for diagnosing heartworms in dogs, which is a cousin of the parasites that cause LF and oncho in humans. This work led to a new diagnostic test for LF in humans that is now used around the world to map the disease and measure improvements related to MDA. Field-testing of the new tool led Weil to Egypt, where he and his collaborators worked for 20 years to nearly eradicate the disease in 2007, until political upheaval brought the project to a halt. Weil subsequently moved that field study to Sri Lanka.

Today, with a five-year, \$13 million grant from the Gates Foundation, Weil manages teams and partners at 12 study sites in eight countries: five in Africa (Democratic Republic of the Congo, Ghana, Ivory Coast, Liberia, Republic of the Congo) and in Indonesia, Papua New Guinea and Sri Lanka. (See sidebar on pg. 13 for more on the global team and study sites.)

"We started the DOLF Project in 2010," Weil says. "It took us a long time to find the appropriate study sites and right collaborating scientists. Last fall, we requested supplemental time and funds for the project, and the Gates Foundation has agreed to an additional three years' funding."

The project's objectives remain: 1. large-scale testing of alternative mass drug administration strategies with modeling and cost analysis; 2. randomized clinical trials with current drugs using combinations and schedules; 3. population-based studies to assess the impact of mass treatment programs for LF and oncho on intestinal worm infections.

Weil says progress is being made in all of the DOLF Project field-study sites, but the progress has been uneven. For example, one study in Liberia had to be halted for a year starting in early 2014 due to the Ebola outbreak.

"We regularly update stakeholders and share preliminary results with the World Health Organization, funding agencies, other technical experts and drug donors," Weil says. "When we experience delays, they know why. And when positive results come in, we are able to help inform policy, and that's what the Gates Foundation wants: to change the world through changing policy."



For the DOLF Project, workers from local ministries of health carry out the bulk of tasks and interactions with the community. University researchers and staff – such as Joshua Bogus (center), MPH, DOLF's global health project manager for operations – train and advise in sample collection, laboratory testing and drug administration.

Isouf Sanogo



NEW AVENUES OPEN FOR CHANGE

As director of Washington University's Institute for Public Health, William Powderly, MD, aspires to change the world as well. By design, Powderly, the J. William Campbell Professor of Medicine, also serves as director of the institute's Global Health Center, which was formed to enhance and strengthen existing university research, as well as to increase its potential to improve lives. Powderly says Weil's career path serves as a great model for the center.

"Gary Weil's work started as very basic science — researching worms — and then it turned into discovering better diagnostics," Powderly says. "Now he has taken a major lead worldwide in the treatment and eradication of filariasis, managing a global program funded by the Bill & Melinda Gates Foundation."

In hopes of replicating Weil's model, Powderly — himself a specialist in HIV/AIDS and co-director of the Division of Infectious Diseases at the School of Medicine — works with others at the Center for Global Health & Infectious Disease, a subunit of the Global Health Center. He says that infectious disease research is a Washington University strength. Besides worm diseases, exceptional research programs focus on other parasitic diseases (leishmaniasis and schistosomiasis), malaria and tuberculosis, to name a few.

Regarding malaria, the World Health Organization (WHO) reports that 3.2 billion people live in areas at risk of transmission. In 2013, an estimated 198 million cases occurred with approximately 600,000 people dying, mostly children under the age of 5 in Africa. University scientist Daniel Goldberg, MD, PhD, professor of medicine and of molecular microbiology and co-director of the Division of Infectious Diseases, leads research examining the biology of the malarial parasite and its ability to resist current treatments. This research seeks to identify how the parasite secretes various proteins to affect red blood cells and reproduce. Novel findings are leading to new targets for drug development and new university and global partnerships.

Of note, Goldberg's lab is collaborating with Joshua Swamidass, MD, PhD, assistant professor of pathology and immunology and of biomedical engineering, on antimalarial drug targets. With Lan Yang, the Edwin H. & Florence G. Skinner Professor in the Department of Electrical &

Systems Engineering, Goldberg's lab is working on malaria parasite visualization and detection.

Concerning tuberculosis, Powderly says that Christina Stallings, PhD, assistant professor of molecular microbiology, and Shabaana Abdul Khader, PhD, associate professor of molecular microbiology, are working on both new drugs for TB and new approaches to vaccines. "The research could be ready for human trials soon," he says. "Shabaana Khader collaborates with institutions and organizations in South America, South Africa and India, and we would like to help them increase capacity by developing partnerships to conduct necessary field tests and human studies."

In 2013, WHO reported that the mortality rate for TB had decreased 45 percent since 1990; however, TB still ranks as the second-leading cause of death from a single infectious agent after HIV. An estimated 1.5 million people died that year from TB, including 360,000 who were HIV-positive. Another 480,000 people developed multidrug-resistant TB, complicating treatment worldwide.

Global health challenges of this magnitude are complex and systemic. "The gross inequalities in health that we see within and between countries present a challenge to the world," Powderly says. "The conditions in which people are born, grow, live, work and age are at the root of much of these inequalities in health, and (Continued on page 18)



"The gross inequalities in health that we see within and between countries present a challenge to the world."

—WILLIAM POWDERLY, MD

James Dyson

A conversation with William Powderly, MD, on global preparedness for emerging infectious diseases

Q: How should we as a society approach emerging infectious diseases?

WP: What has tended to happen over the past 30 to 40 years is that a crisis happens; money is invested into it; things settle down; funding is reduced. When the next crisis happens, we are not as prepared as we should be, and we have to start the process over again.

The fundamental lesson is that we need to have sustained investment in a public health infrastructure, not only in the United States, but across the world, to be able to get an early indication of a disease when it is emerging and ideally start to plan to control it before it becomes an epidemic.

It's a combination of preparing our local and state health departments, strengthening our Centers for Disease Control and Prevention (CDC), and building out from there globally — working with relevant ministries of health through the World Health Organization and strengthening WHO, because the Ebola crisis showed it has some issues as well.

I think the Europeans have a very similar view. They've gone from each country having its own to having a European CDC equivalent based in Sweden. I think they, too, would see the value of partnering to strengthen preparedness on a worldwide level.

It's a lot like insurance: If you take the view not to have homeowner's insurance and to just pay every time a tornado hits and hope that it doesn't, that's one approach. And that's what we've been doing with public health regarding preparedness for epidemics.

Many of us think there is a better approach, which is actually to build a baseline insurance system to give infectious disease experts an early warning, so that we are able to see what's coming and be more prepared.

This is not fanciful; an epidemic is going to happen. We've already had examples: Ebola was one. In many ways, we were fortunate with Ebola, even though people were understandably scared, because quarantine works.

If you were to ask most infectious disease specialists "What virus worries you most?" they would say a virulent influenza. People dismissed the pandemic we had in 2009 — the H1N1 strain — yet many people died, particularly younger people and pregnant women. And it spread all over the world very rapidly.

Q: Why do you think the response to influenza is so laissez-faire?

WP: We in the medical field in 2009 saw young people and pregnant women die, but for most people in the community, it was still a flu. They've recovered.

We get complacent. The whole measles vaccination situation is an example of people becoming complacent about an illness that they think has gone away — one that doesn't affect them on a day-to-day basis. If you go back a couple of generations, people remember enough about polio. But that memory will recede, and maybe a generation from now, people will ask, "Who needs a polio vaccine?" Then you'll see kids with polio. Unfortunately, that's human nature — not to worry about something because it's not part of your folk memory.

Q: Could you speak about the need to improve predictive models?

WP: It is certainly an area that needs to be developed. If you were to create an infrastructure to identify disease patterns earlier, then you would need to develop models that actually work. Just as weather predictions have become so much better than, say, 20 years ago, we need similar predictive model — one that could identify whether a small outbreak of a viral infection in country X or country Y could become a worldwide epidemic.

In other words, we would have both the satellite images and warning signals — ways of tracking and saying that this is behaving in a way that is worrying. For example, if tracking found three cases in country X last week and 10 cases this week, we'd be able to infer, if there are 20 cases next week, we need to do something.

Q: Who would be responsible for looking at patterns?

WP: It's a combination of infectious disease epidemiologists, statisticians and data analysts — people who are able to examine the data, pick out the needle in the haystack and see different patterns. It's people who know how to use data, and they often don't come from medical backgrounds. The people with the necessary skills might come out of Google, but it would need to be in combination with an infectious disease epidemiologist who understands the dynamics of infection.

these economic and social conditions are relevant to infectious and noncommunicable diseases alike. Their resolution requires partnerships transcending the boundaries between disciplines.”

Along with assessing areas for synergy across the university, Powderly is surveying the 28 international institutions affiliated with the McDonnell International Scholars Academy (a Washington University program aiming to develop future global leaders) for areas of possible future collaboration.

“I have two goals in mind with this approach,” Powderly says. “One is potentially finding ways to increase the impact of research already being done here. The other is identifying areas where we can help partners build on their own capacity.”

“The conditions in which people are born, grow, live, work and age are at the root of ... inequalities in health.”

Powderly stresses that the latter objective allows partners to frame the discussion, “stating what their problems, priorities and needs are.” Washington University could then determine if it has the capabilities and resources to assist in those areas.

“We typically come and go depending on the interests of our researchers, funding opportunities and other factors,” Powderly says. “If we help other global institutions build their own infrastructure — and ideally create an environment for ongoing collaboration — even as different investigators move on, we will have made a more sustained impact.”

With the university’s newest McDonnell Academy partner, the University of Ghana, Powderly hopes to build such a model from the beginning.

“In Ghana, for example, I may think that TB is very important because of its prevalence in Africa. They may decide that too,” Powderly says. “Or they may decide that a key priority is maternal mortality and safer labor. Another big, challenging issue, maternal mortality has many implications for families.” Therefore, fostering a partnership with Washington University’s obstetrics and gynecology department might be viewed by partners at the University of Ghana as more important than working with the infectious diseases division.

When university researchers go into other countries, Powderly says, they cannot assume persons in those countries haven’t been thinking about their own problems, and for a long time. “We cannot adopt a neo-Colonialist attitude that we know best. We don’t,” Powderly says. “It’s about listening and developing partnerships. And we want them to be sustained, and to have long-lasting impact.”



Issouf Sanogo

Mark Manary, MD '82, has worked in Malawi for decades on projects to prevent and treat malnutrition.



Courtesy: Image



When Washington University researchers, such as Peter Fischer (lower left), PhD, associate professor of medicine, and Joshua Bogus (lower right), MPH, assist in-country partners (background) and cultivate ongoing collaborations, they create a more sustainable model for long-term global impact.



Researchers tackle malnutrition on many fronts

William Powderly, MD, wants the Global Health Center to build on another university strength: research in human nutrition. Mark Manary, MD '82, the Helene B. Roberson Professor of Pediatrics and one of the world's foremost experts in childhood malnutrition, works in sub-Saharan Africa, developing and introducing enriched peanut-butter foods to treat malnutrition in children; developing novel complementary foods for infants; and treating children 6 months to 5 years of age with uncomplicated severe acute malnutrition with therapeutic food plus antibiotics. On the antibiotics study, Manary worked closely with Indi Trehan, MD, assistant professor of pediatrics, and their results – which showed

that the combination treatment cut death rates from childhood malnutrition compared with therapeutic food alone – helped establish new WHO guidelines in 2013 for treating severe malnutrition. Manary has also collaborated with Jeffrey Gordon, MD, the Dr. Robert J. Glaser Distinguished University Professor and director of the Center for Gut Microbiome and Nutrition Research, to determine whether gut microbes and their genes undergo changes as a result of treatment with therapeutic foods. And if alterations occur, does the “new state” persist after treatment ends, or are children again at risk of malnutrition. Gordon's long-term genetic work on the gut microbiome has the potential to improve human nutrition across the globe.

HELPING HAITIANS HELP THEMSELVES

Lora Iannotti, PhD, assistant professor at the Brown School, knows firsthand how important it is to identify partners for sustained impact. Having worked in Haiti for 25 years, she also understands what happens when short-term aid trumps long-term strategy.

“Many outside groups conduct their business without finding out if what they are doing is what the community wants or needs; then they leave,” Iannotti says. “This has wreaked havoc on the country.”

Through her multifaceted work, Iannotti collaborates with the Ministry of Education, the Ministry of Health and community health workers, as well as health-care workers within the health-care system. “I am adamant about this principle,” she says.

Her efforts in the country include conducting public health and prevention research projects, teaching U.S. students about public health interventions in resource-poor countries and working with a Haitian university to establish a higher education program in public health. This latest effort, she stresses, might be the most important collaboration Washington University cultivates for long-term health improvements in Haiti.

“Haiti has dire public health problems, yet the country has limited higher education in this field,” Iannotti says. “Basically, you have a small proportion of people who pursue medical degrees. They invest years and become trained to be doctors. Some will leave the country or work for international NGOs, and, generally, they do not focus their work on prevention.”

Determined to help remedy the situation, Iannotti worked with Washington University and Haitian colleagues to form an agreement with the Public University of North Cap-Haitien (UPNCH). She found inspiration for the new program in U.S. history. “Looking at the Progressive Era in our country, the big changes in public health came from prevention: improving health by boosting living standards, cleaning up the streets, implementing vaccinations, etc.,” she says.

In July 2015, UPNCH and Washington University jointly offered a public health summer institute. Iannotti hopes the institute eventually leads to a full degree program. While raising funds, the collaborative team — including two School of Medicine faculty members and four representatives of the Brown School — is developing



Lora Iannotti (left), PhD, assistant professor at the Brown School, has worked in Haiti for 25 years. She collaborates with in-country partners, such as Saminetha Joseph (center), on public health and prevention research projects at the nexus of poverty, micronutrient deficiency and infectious disease.

the curriculum and course work to that end. Iannotti says she is grateful for the support she has been receiving from colleagues and administrators. In particular, Brown School Dean Edward Lawlor, PhD, the William E. Gordon Distinguished Professor, has been a champion for university efforts in Haiti; he traveled there in summer 2014 to participate in Iannotti's summer course, "Transdisciplinary Problem-Solving in Haiti: Public Health Interventions in Developing Countries," and to visit research sites in Cap-Haïtien. At those sites, Iannotti investigates the relationship between poverty, micronutrient deficiencies and infectious disease, particularly in young children.

The biggest nutrition problem now, she says, is not a lack of calories, but a lack of particular nutrients. "Poor-quality diets, as in our country, lead to what's referred to as 'hidden hunger,'" Iannotti says. "A lack of certain nutrients — vitamin A, B12, choline, iron and zinc, for example — can increase the risk for morbidity, impaired cognition and mortality."

These nutrients, not surprisingly, are found in eggs, fish, meat and milk, which are typically more expensive and less affordable in Haiti and other resource-poor countries.

"As a result, people are stunted or chronically undernourished. They become ill or die from diarrheal disease and respiratory infections because their immune systems don't function as well without these nutrients," Iannotti says. (Globally, lower-respiratory infections were the No. 2 cause of premature death in 2010, and diarrhea was the No. 4 cause.)

For one project, Iannotti partners with Patricia Wolff, MD, professor emerita of clinical pediatrics at the School of Medicine, to produce and distribute a fortified snack, called Vita Mamba, for impoverished school-age children. Wolff, another longtime devotee of the people of Haiti, is founder and executive director of Meds & Food for Kids, which produces ready-to-use therapeutic foods to treat malnourished children. Wolff's factory in Haiti produces this new snack, which contains fortified peanut butter, soy powder and all the vitamins and minerals these children need for a day. The USDA Foreign Agricultural Service's McGovern-Dole International Food for Education and Child Nutrition Program supports the project.

The research has shown significant improvements in children's body composition with long-term implications for their health and development. Results will be reported to the U.S. Senate, together with those of other grantees, to help determine the composition of food aid commodities moving forward.

The Next Generation Prepares to Help

William Powderly, MD, finds encouragement in what he calls "the keen student interest in having global experiences, in addressing global health challenges and in thinking of themselves as global citizens."

Lora Iannotti, PhD, is one of the Washington University faculty members helping train this next generation of global health professionals. As chair of the global health specialization for the Brown School's Master of Public Health program, Iannotti develops curricula. She also teaches "Global Health"; "Global Hunger and Undernutrition"; and "Transdisciplinary Problem-Solving in Haiti: Public Health Interventions in Developing Countries," which was offered for the first time in summer 2014.

Further, Iannotti works with Carolyn Lesorogol, PhD, associate professor and associate dean of global strategy and programs at the Brown School, to help place students in international practicum sites. Under Lesorogol's leadership, the Brown School is working to build an inventory of deep-rooted, permanent international sites from which students may choose.

At the School of Medicine, other opportunities exist for global learning:

- The Forum for International Health and Tropical Medicine (FIHTM) student group provides funding for 25 medical students interested in spring-break opportunities, summer research, clinical experiences and fellowships, "to prepare students as creative and critical thinkers about the intricacies of global health." One rotation offered is assisting pediatrician Mark Manary, MD '82, in feeding the severely malnourished in Malawi. (See sidebar, pg. 19, for more on Manary.) FIHTM, whose faculty adviser is Gary Weil, MD, also hosts an annual global health symposium together with global health faculty. In April 2015, for example, FIHTM hosted a symposium in conjunction with the Global Health & Infectious Diseases Conference.
- The Global Health Scholars Pathway in Internal Medicine is committed to training future clinical and research leaders in global health. The pathway increases residents' awareness of global health systems, enhances understanding of the impact of culture and poverty on population health, and fosters skills for providing care in resource-poor environments.
- The Global Health Center began a new program in 2014 — Summer Research Program in Global Health — to offer students an eight-week opportunity to work with faculty members who focus on global health.

In the School of Engineering & Applied Science's Department of Energy, Environmental & Chemical Engineering, student researchers look at the role of the environment in global health problems, including the spread of infectious diseases. Sustainable water, in both quantity and quality, is crucial to protecting human health. Sustainable air quality and technologies that provide for clean air are also paramount in a rapidly developing world. Adverse health effects in both urban and rural areas from poor water and air quality illustrate the need for the development of effective technologies.

“It is important for us to further disseminate these positive results from the school snack,” Iannotti continues, “so that demand grows for the product and Meds & Food for Kids can build a sustainable business model.” (See sidebar on pg. 19 for more on efforts around global malnutrition.)


Another effort involves Iannotti; Zorimar Rivera-Núñez, PhD, assistant professor of social work at the Brown School; and Daniel E. Giammar, PhD, PE, the Walter E. Browne Professor of Environmental Engineering in the School of Engineering & Applied Science. Through the lens of their various disciplines,

“Malnutrition – or any other global health challenge – won’t be solved unless we work across disciplines.”

the team is assessing water contamination — beginning with toxic heavy-metal contaminants — and then determining as a group the impact of this contamination on nutrition.

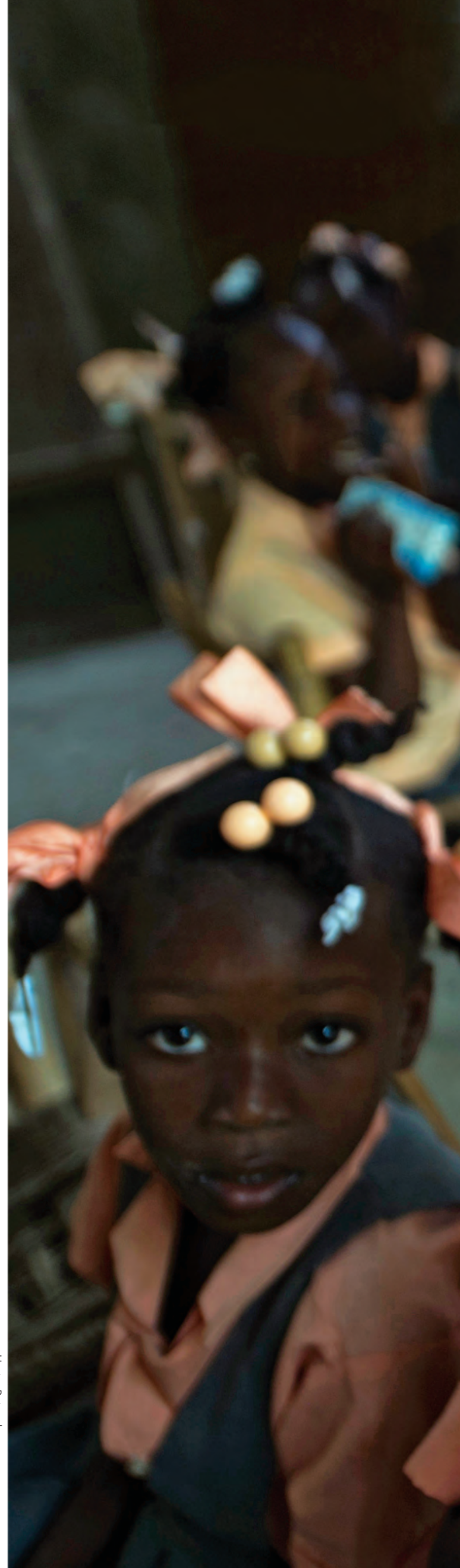
In Haiti, 64 percent of the people do not have access to a latrine, and poor sanitation leads to unsafe drinking water. Further, certain water contaminants affect the absorption and metabolism of important micronutrients. The team plans to test microbial contaminants in future projects.

The project builds on Iannotti’s studies on nutritional outcomes in five Cap-Haïtien neighborhoods. Last summer, Iannotti, Rivera-Núñez, their UPNCH co-principal investigator and local university students determined the sources of water in these neighborhoods (government-built pumps and wells, community-built wells or family wells) and collected samples from each source, which Giammar is helping test. Where contamination is found to be higher, they’ll be able to target community development resources better and, ultimately, improve nutritional trials and other interventions.

“In many academic venues, but especially at Washington University, people are starting to talk about the importance of being ‘transdisciplinary.’ This approach is clearly what’s needed to address complex global health challenges,” Iannotti says. “Malnutrition — or any other global health challenge — won’t be solved unless we work across disciplines, try new methods and strive to find innovative and comprehensive strategies.” 

Terri Nappier, executive director of periodicals in the Office of Public Affairs, is editor of the magazine.

Hector Retamal



In Haiti, Brown School Assistant Professor Lora Iannotti, PhD, also partners with Patricia Wolff, MD, professor emerita of clinical pediatrics at the medical school, to develop and distribute Vita Mamba, a fortified snack for impoverished school-age children. Research shows significant improvements in the body composition of children receiving the supplemental snack.



Coalition of the

Five founding institutions teamed with the city of St. Louis to create the Cortex Innovation Community in midtown St. Louis. The innovative life sciences and technology hub is leading the way toward a renewed local economy.

BY DIANE TOROIAN KEAGGY | IMAGES BY JAMES BYARD

Research Triangle Park in Raleigh, Durham, Chapel Hill. Kendall Square in Boston. Salt Lake Union in Seattle. And, now, the Cortex Innovation Community in St. Louis. In the past decade, innovators and entrepreneurs in the life sciences have transformed a once-desolate stretch of midtown St. Louis into a leading biohub. State-of-the-art biomedical science and technology labs and incubators have replaced decaying buildings and vacant lots. And, in a city too often divided, Cortex has brought together community, civic and educational leaders to get things done.

St. Louis Mayor Francis G. Slay calls Cortex a game changer. The district has attracted more than \$550 million in investment, has generated more than 4,000 permanent jobs and has spurred new lofts, hotels, restaurants and shops.

“What we are seeing develop at Cortex will drive job growth in our city,” Slay says. “I absolutely believe that our ability to attract, retain and develop talent in the life sciences and other [biotechnology] fields will drive the future of St. Louis, and Cortex and Washington University will play a huge role in our ability to accomplish those goals.”

Washington University is both a benefactor and a beneficiary of Cortex. Chancellor Emeritus William H. Danforth was among those who originally conceived of the project. Under Chancellor Mark S. Wrighton’s leadership, the university contributed \$15 million of the initial \$29 million investment, with BJC HealthCare, Saint Louis University and University of Missouri–St. Louis (UMSL) contributing the remaining funds. Wrighton says that “when St. Louis succeeds, so does Washington University.”



Determined

A photograph of a modern, multi-story glass-walled building. The building's facade is composed of large glass panels reflecting the sky and surrounding greenery. In the foreground, a grey concrete wall features the word "cortex" in a dark green, sans-serif font. To the right of the text is a small square logo with a stylized orange and red flame-like shape. The scene is set outdoors with a clear blue sky, a paved walkway, and various green plants and trees. A black lamp post stands near a weeping tree in the middle ground.

cortex

“Everyone understood that if you make your local community stronger, you make your institution stronger.”

— JOHN DUBINSKY, AB '65, MBA '67, CHAIRMAN, CORTEX INNOVATION COMMUNITY

“Cortex is a tool for economic development in St. Louis, but it also serves our teaching, research and patient-care missions,” Wrighton says. “By improving the area around the Washington University Medical Center, we become more attractive to the highest-quality faculty and students. Also, through Cortex, we are providing our faculty an opportunity to commercialize their work. Along with teaching and research, our faculty members see commercialization as a way they can help make the world a better place.”

The world has taken note. *Popular Mechanics* in January 2015 named St. Louis the No. 1 startup city in America. And *The New York Times* in fall 2014, in “Where Young College Graduates Are Choosing to Live,” found that since 2000 St. Louis enjoyed a 26 percent spike among graduates 25 to 34. Not all of those young people and startups are located in the district, but Cortex has created a dynamic culture of innovation and entrepreneurship, says Thomas F. George, UMSL chancellor.

“Cortex stimulates other kinds of development across the region,” says George, “and it has emerged as a leading example of a new model of innovation district in which academic institutions, companies, startups, business incubators and accelerators are clustered together to facilitate ‘open innovation’ and provide nearby amenities and mixed housing to entrepreneurs.”

Development, infrastructure, jobs

Located on 200 acres between the Washington University Medical Center on the west and Saint Louis University on the east, Cortex is home to businesses large and small. Solae, a subsidiary of DuPont, is there. So is Ventures, Boeing’s internal idea generator. About 60 startups, many founded by Washington University faculty and alumni, also are located in Cortex. They include PixelEXX Systems, a nanosensor-technology company; Medros, a drug-discovery business; and Cofactor Genomics, a DNA-sequencing operation that made headlines mapping the genes of rocker Ozzy Osbourne.

Joining them in 2015 is LaunchCode, the non-profit venture started by Jim McKelvey, AB '87,

BSCS '87, co-founder of Square. LaunchCode seeks to solve two of the economy’s most urgent problems — the lack of good, middle-class jobs and the shortage of tech talent. By training unemployed and underemployed workers to code, LaunchCode is tackling both issues. In its first year, it placed 115 trainees in jobs paying an average of \$50,000.

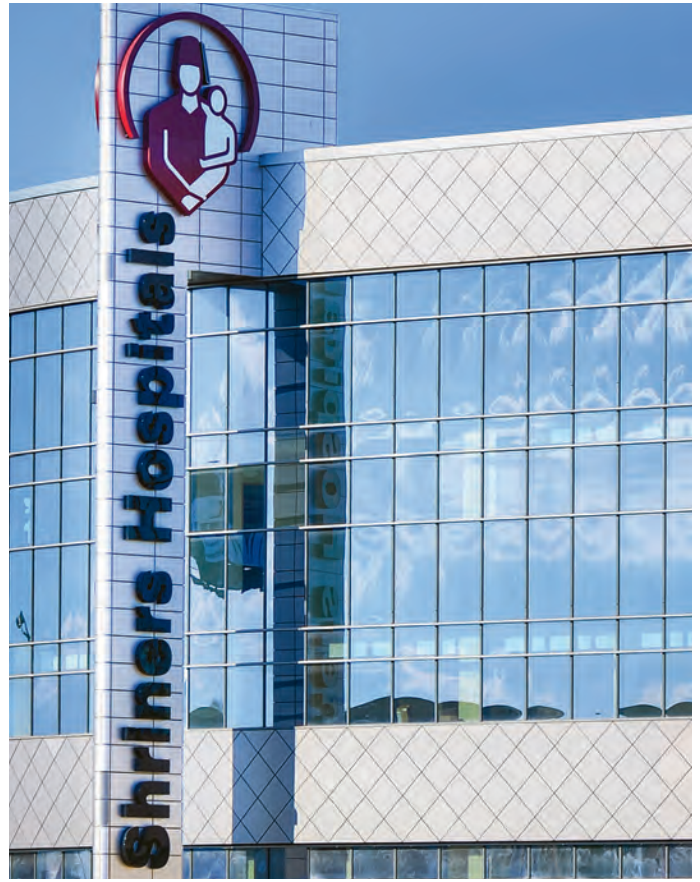
Then there is IKEA. The Swedish home-furnishings retailer is constructing a 380,000-square-foot store in the Cortex district. Most IKEA stores are located in far-flung suburbs, but IKEA officials like Cortex’s proximity to college students and St. Louis’ trendiest neighborhoods. The store is scheduled to open this fall.

Funding also has been secured for a Cortex MetroLink station and a new bike trail connecting the Cortex station to the regional Great Rivers Greenway. Ultimately, Cortex could generate \$2.1 billion in construction (including state and local funds), \$100 million in public infrastructure and 13,000 new jobs.

The rise of an innovation district

Cortex Chairman John Dubinsky, AB '65, MBA '67, traces Cortex’s start to 2002, when a group of St. Louis civic leaders toured Kendall Square in Boston. Once blighted, Kendall Square is now a leading hub for biotech innovation, thanks largely to a sizable investment by MIT. Dubinsky, a Washington University trustee, and William H. Danforth, who founded the Donald Danforth Plant Science Center after retiring from the university, believed a similar investment could spark innovation and spur economic development in St. Louis.

“We came back and said, ‘Wow. That is the answer for St. Louis. We need to get the institutions to help rebuild the city,’” Dubinsky recalls. “We shared with Chancellor Wrighton what we had seen and then asked him for \$15 million. He said yes. With that commitment, we went to the other institutions and asked them to invest part of their reserves into the local community. We didn’t know what to expect, but everyone understood that if you make your local community stronger, you make your institution stronger.”



ABOVE: The Cortex Innovation Community – founded by Washington University, BJC HealthCare, SLU, UMSL and the Missouri Botanical Garden – has attracted more than \$550 million in investment, generated more than 4,000 new jobs and spurred new lofts, hotels, restaurants and shops. Ultimately, Cortex could generate \$2.1 billion in construction, \$100 million in public infrastructure and 13,000 new jobs.

“It’s getting out that St. Louis is on the move. Boeing [Ventures] and the Cambridge Innovation Center moving to Cortex are big headlines.”

— JENNIFER K. LODGE, PHD '88, WASHINGTON UNIVERSITY VICE CHANCELLOR FOR RESEARCH

Boston and St. Louis are not the only cities to establish an innovation district. Cleveland, Pittsburgh, Toronto and Barcelona are among the other cities to establish one. But St. Louis’ multi-institutional approach is unique. A 2014 report by the Brookings Institution, “The Rise of Innovation Districts: A New Geography of Innovation in America,” singles out Cortex for its collaborative leadership and strong vision for growth.

“St. Louis is a community of strong anchors,” says Hank Webber, Washington University executive vice chancellor for administration and vice chair of the Cortex board. “You can’t solve any big problem without assembling a coalition of interests. If you want to change facts on the ground — if you want to build a neighborhood or downtown or Forest Park — you must build a coalition. From the start, this has been a St. Louis project, not a Washington University project.”

Building an entrepreneurial ecosystem

Another distinction is Cortex’s location, says Fred P. Pestello, president and chief executive officer of Saint Louis University. Unlike the nation’s early innovation districts, Cortex is located in the heart of St. Louis.

“Cortex and other innovation districts — in underused and underserved areas — are changing the way we think about entrepreneurship, and they are transforming communities and improving people’s lives in ways that places like Silicon Valley and suburban technology parks cannot,” Pestello says. “This is particularly important for SLU, an urban anchor institution with a long-standing commitment to the city.”

Cortex also is adjacent to the thriving Central West End — named one of the nation’s 10 best neighborhoods by the American Planning Association in 2014 — as well as the Grove (see pg. 31) and Grand Center, two destination neighborhoods experiencing their own turnarounds. The region’s quality-of-life amenities, coupled with the deep reservoirs of talent at Washington University, Saint Louis University and other

nearby universities, give Cortex its edge, says Washington University Provost Holden Thorp, PhD.

While chancellor of the University of North Carolina at Chapel Hill, Thorp spent many hours driving back and forth between his campus and Research Triangle Park, the prototype of the suburban innovation center. Millennials, however, want to live in urban, live-work neighborhoods, says Thorp.

“In St. Louis, there is a low cost of living, terrific architecture and all the amenities of a great city — great performance and art venues, attractions and pro sports,” Thorp says. “All of the incentives align nicely.”

Thorp, the owner of 12 patents and founder of several companies, is leading Washington University’s efforts to support faculty and student entrepreneurs. He has hired key personnel to streamline the commercialization of faculty discoveries and is strengthening university entrepreneurship programs.

“There is a growing acceptance of the idea of graduating from college and going to work at a startup,” Thorp says. “Some of that is the folklore around startups — Mark Zuckerberg and *The Social Network* and Steve Jobs. And part of it is the democratization of information. Our job is to help provide our community opportunities, and Cortex is one, very important way we do that.”

Jennifer K. Lodge, PhD '88, Washington University vice chancellor for research, says Cortex helps attract world-class faculty.

“It’s getting out that St. Louis is on the move. Boeing [Ventures] and the Cambridge Innovation Center moving to Cortex are big headlines,” says Lodge, who recently moved near the district and is wowed by the rapid pace of development. “As we recruit new faculty and students, we can assure them that if they have entrepreneurial aspirations, they will find the support to realize them here. This district enhances not only Washington University, but also the overall intellectual capacity of St. Louis.”

Donn Rubin, president and CEO of BioSTL, says the term *entrepreneur* used to be a dirty word in St. Louis. But no longer.



Cofactor Genomics

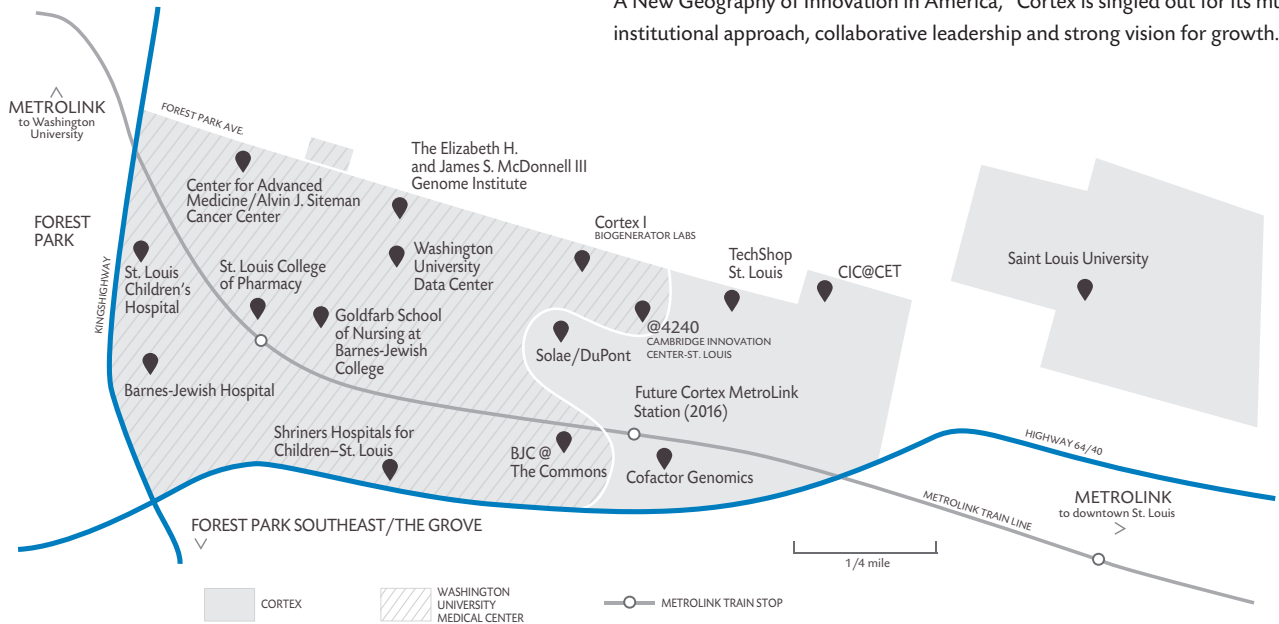


@4240

ABOVE: Cortex has built a coalition of community, civic and educational leaders to get things done: State-of-the-art biomedical science and technology labs and incubators are replacing decaying buildings and vacant lots. St. Louis Mayor Francis G. Slay calls Cortex, which is adjacent to the thriving Central West End and Grove neighborhoods, a game changer.

Cortex Innovation District

In a 2014 report by the Brookings Institution, "The Rise of Innovation Districts: A New Geography of Innovation in America," Cortex is singled out for its multi-institutional approach, collaborative leadership and strong vision for growth.



"If someone said, 'I left XYZ to start my own company,' people would wonder why the person couldn't hack it in the big corporation," Rubin says. "That's all changing. And we are seeing faculty recruited here who have that entrepreneurial focus."

BioSTL, which is sponsored by Washington University among others, advocates for legislation that supports the life sciences, raises venture capital, recruits businesses to the region and helps entrepreneurs find investors and develop patents. BioSTL's venture development and investment arm, BioGenerator, operates shared lab space located in the Cortex district. About half the 25 companies based in the BioGenerator Labs are connected to Washington University faculty.

"We are building an entire ecosystem," Rubin says. "We've met with 140 venture capitalists, and more than 80 have come to St. Louis. Most of them don't know the story. It's not unlike Washington University recruiting students: Once you get them to visit, they're convinced. It's the same thing for investors: Get them here, and they're blown away by the depth of the talent."

Jarret Glasscock, PhD '04, founder of Cofactor Genomics in Cortex, agrees that seeing is believing. Cofactor provides full genome sequencing, DNA sequencing, RNA sequencing and other services to agriculture, pharmaceutical and biotechnology companies.


"We fly our top candidates here," Glasscock says. "St. Louis can be a tough sell to those considering a position on the East or West Coast,

but candidates often are surprised by what St. Louis has built."

Glasscock, an Arizona native, earned his doctorate in genetics at Washington University and was a key scientist at the university's Genome Sequencing Center (now The Elizabeth H. and James S. McDonnell III Genome Institute). He started Cofactor seven years ago and in fall 2013 moved the operation to an old printing shop.

"I am a scientist. I didn't know everything that had to come together [to create a startup], and Cortex assisted me through every step of the process," Glasscock says. "Now we have this amazing space with room to grow."

The office, with its polished concrete floors and glass-enclosed offices, fits the image of cool startup. A drum kit and skateboard welcome workers and visitors in the break room, and ski gondolas in the lobby allow Cofactor's team of biologists and computer scientists privacy for phone calls. But what Glasscock likes best about the space is its proximity to other life sciences companies.

"We didn't just want a place to work, but a place to share ideas," he says. "As Cortex grows, so will the opportunities to learn from one another. Whether you're part of a three-person startup or a more established company, you want the same thing — a concentration of people who are smart, talented and ready to make a difference." 

Diane Toroian Keaggy, AB '90, is director of campus life news in the Office of Public Affairs at Washington University.

Planting Partnerships for Growth

There's a saying in real estate: Retail follows rooftops. That's certainly the case in the Grove, one of St. Louis' liveliest entertainment districts. Years before the arrival of music venues, hip eateries, trendy bars and signature murals, a coalition of committed residents, city officials and project managers from the Washington University Medical Center Redevelopment Corporation (WUMCRC) worked to weed out problem landlords and step up neighborhood safety.

"I never imagined we'd see this sort of development," says Phil Minden, MBA '11, board member of Forest Park Southeast Development Corp., a community group that improves commercial and residential properties and unites neighbors. "When we moved here more than 20 years ago, there was significant criminal activity. Today, the Grove is a draw for the entire region."

Also known as Forest Park Southeast, the Grove is located just south of the Washington University Medical Center. Its newest occupants include the 70,000-square-foot Urban Chestnut Brewing Co. brewery and bierhall; the Ready Room, an indie music concert venue; and Aventura at Forest Park, a \$12 million apartment development. They join some 3,000 residents who live in a mix of low-income homes, historic flats and luxury townhouses.

"The growth has been organic," says Brian Phillips, EMBA '09, WUMCRC executive director. "The residents are invested, and the entrepreneurs have brought their own vision and capital. There is a lot of energy here."

Washington University, which had helped turn around the Central West End in the 1980s, won a highly competitive \$2.5 million federal grant and raised another \$8.3 million to improve the neighborhood. The WUMCRC used the money to coordinate social services, upgrade public infrastructure, create opportunities for low-income residents to buy homes, repair dilapidated apartments and bolster security.

"Absentee landlords were offered a carrot and a stick," Phillips says. "The carrot was free professional property management and forgivable loans to fix their facades. The stick was stepped-up code enforcement."

The WUMCRC also helped Forest Park Southeast Development Corp. and community development organization Rise acquire more than 100 problem units from the neighborhood's most negligent landlord.



"That provided a huge psychological boost for other developers to take chances," Phillips says. "When people ask what we do, I tell them: 'We do the things others can't do until they can do them, and then we move onto something else.' The key is to be a partner. You can't take a paternalistic or dictatorial attitude. It takes time – a lot of getting-to-know-you, a lot of discussion and debate."

Minden says the approach has paid off. Both the Grove and Central West End are gaining population. Meanwhile, the School of Medicine and partner BJC HealthCare have embarked on the 10-year Campus Renewal Project, which will expand St. Louis Children's Hospital, Barnes-Jewish Hospital and the Alvin J. Siteman Cancer Center. The expansion also will provide more space for Washington University Physicians clinics and diagnostics, as well as new facilities for women and infants, oncology and surgical services.

"The university worked with the community groups and stayed involved with the grind," says Minden, "doing the hard work it takes to move a community forward."

"The growth has been organic. The residents are invested, and the entrepreneurs have brought their own vision and capital."

— Brian Phillips, EMBA '09, WUMCRC executive director

the CULTURE CLUB





Think of an iconic arts and cultural organization in St. Louis, and chances are Washington University alumni are there, helping these beloved institutions enrich the community.

BY TERRI NAPPIER | IMAGES BY JAMES BYARD

Actor Alex Puette didn't know what hit him. On cue for his first entrance, he walked out of his dressing room. Being smacked in the face by a wild, flying duck en route to the stage appeared nowhere in the script. But that's show business at The Muny.

Not to worry, according to Muny company manager Sue Greenberg, both Puette and the duck survived the encounter. Puette performed in *90 Years of Muny Magic* that night, and the duck found refuge in a nearby pond. Greenberg says something unpredictable happens every day during the summer Muny season, and that's part of the allure of working at the oldest and largest outdoor theater in the country.

Greenberg, AB '76, happens to be one of many university alumni who enjoy a behind-the-scenes view of some of the most popular and storied arts and cultural organizations in the St. Louis region. Here, 13 impact players discuss their roles at the Saint Louis Art Museum, Saint Louis Zoo, Fox Theatre, Black Rep and more, as well as how they help keep these cultural giants running.

GENE DOBBS BRADFORD, EMBA '08 (at left)

Executive Director, Jazz St. Louis

• *How would you describe your role at Jazz St. Louis?*

As executive director, I set the tone and vision for Jazz St. Louis, which presents jazz concerts at the newly remodeled Jazz at the Bistro. I also oversee Jazz St. Louis' education and outreach programs, which involve more than 11,000 students annually. The Emerson Jazz in the Schools program, for example, exposes young people to jazz music by bringing artists who play at the Bistro to perform at schools throughout the metropolitan area.

• *What do you like most about working here?*

... meeting some of my musical inspirations, such as Sonny Rollins, and exposing the next generation of listeners to the wonders of jazz.

• *What made you want to work behind the scenes?*

Though I was trained as a classical musician, I saw early on that my future lay on the business side of music. I realized that if I were the person initiating the events, I could be more creative than if I were sitting in the bass section.



JUDITH MANN, MA '78, PHD '86

Curator, European Art to 1800, Saint Louis Art Museum

• How would you describe your role at the Saint Louis Art Museum?

I am the curator for European Art to 1800; I oversee the Medieval and Old Master Collections of sculpture and painting.

• What do you like most about working here?

I love the opportunity to make a contribution to the cultural experience of St. Louisans. I have been fortunate to organize two large international loan exhibitions — *Orazio and Artemisia Gentileschi: Father and Daughter Painters in Baroque Italy* (2002) and *Federico Barocci: Renaissance Master* (2012–13) — that I felt had an impact on people, teaching them about artists they had never heard of ... and enriching and expanding their life experiences.

• Where do you see the greatest potential for enhancing arts and culture in the St. Louis region?

Increased collaboration holds the greatest potential for advancing and developing arts and culture in St. Louis. We have the makings for a great art center: exciting things happening at Washington University, a new building and expanded programming for the Saint Louis Art Museum, renovations at Grand Center, an expanding Pulitzer Foundation, the renovations happening on the Arch grounds and downtown, new galleries, Gallery 210 at UMSL, Laumeier, a variety of theater experiences and Opera Theatre of St. Louis. We need to concentrate on building in opportunities to communicate and work together.



KATHERINE VAN ALLEN, AB '01

Managing Director of Museum Services, Missouri History Museum

• *How would you describe your role at the Missouri History Museum?*

As managing director of Museum Services, I'm responsible for our Exhibitions and Research, Library and Collections, Publications and Digital Initiatives divisions.

• *What might others find most surprising about the organization?*

I think people are often surprised by how relevant we are. We are in the business of sharing the past, but we also work hard to bring the topics we cover into our present-day reality. For example, we had a number of shows covering various aspects of immigration, which provided a link between the history of immigration in our region to the issues we face today.

• *Where do you see the greatest potential for enhancing arts and culture?*

Collaboration. Countless organizations are involved in engaging the community in meaningful ways, yet we truly can be at our most creative and effective through partnerships. The more we can build upon those relationships, the more positive benefits we will see for the entire region.

• *What was most rewarding about the 250 in 250 exhibit last year?*

The most rewarding part by far was to see how this exhibit engaged our visitors and the overall community. Halfway through the exhibit's run in 2014, we had surpassed overall attendance numbers for the entire year in 2013. It was our most well-attended temporary exhibit in over 75 years.



DEBORAH FRANK, MA '79

Vice President, Sustainability, Missouri Botanical Garden

• *How would you describe your role at the Missouri Botanical Garden?*

I am charged with incorporating sustainable practices into all Missouri Botanical Garden operations, engaging members of the local community to incorporate green principles and practices where they live, work and play — and to assist in advancing regional sustainability initiatives. ... I oversee the EarthWays Center, a division of the garden that promotes sustainability through environmental education and improving the built environment.

• *What do you like most about working here?*

... the opportunities to share the importance of, and our reliance on, plants and the natural world — and to show how the choices we make and actions we take every day can help protect our Earth's ecosystems, on which our existence depends, here and around the world.

• *What might others find most surprising about the organization?*

The important legacy of Henry Shaw! He made his fortune here in the early days of St. Louis, and then he invested his fortune back into the city through the Missouri Botanical Garden, Tower Grove Park, Washington University and other institutions.



BARBARA BOYLE, BSBA '79

Chief Operating and Financial Officer, Saint Louis Science Center

• How would you describe your role at the Saint Louis Science Center?

My overall responsibilities include business operations, staffing, and administrative and reporting procedures that support the Saint Louis Science Center's mission to ignite and sustain lifelong science and technology learning.

• How did your organization celebrate the city's 250th anniversary?

We partnered with the organization stl250 on a variety of events throughout the year. One 2014 First Friday, STL 2264, was themed around the St. Louis of the future — specifically, 250 years in the future. We looked at how technology may change the city.

• Where do you see the greatest potential for enhancing arts and culture?

We believe the Saint Louis Science Center, along with other institutions, should promote creativity and creative thinking as essential elements that lead to discovery and innovation. There is great potential to increase access to this creative process through collaborations among the broad community of visual artists, game developers, traditional crafters, programmers, musicians, scientists and others. Formal and informal partnerships could supplement school curricula and help spark this interest at an early age, to enrich our region for generations to come.



KRISTIN F. BREWER, MFA '11

Manager of Programs, Pulitzer Arts Foundation

• How would you describe your role at Pulitzer Arts Foundation?

As head of the programming department, I am responsible for the strategy, creation and implementation of the Pulitzer's public programs and community engagement.

• What do you like most about working here?

I love the relationships I have been able to build through Pulitzer collaborations, which give me a greater sense of connection to the city and a deeper understanding of the dynamic and diverse people who make up St. Louis.

• Where do you see the greatest potential for enhancing arts and culture?

The greatest potential for enhancing arts and culture is in our neighborhoods and in the education system. So many of the problems facing St. Louis require artistic thinking and creative problem solving. We need to enhance this type of thinking in our education system, as well as in rethinking structural issues.

The most powerful work I see in St. Louis is art fostered on a neighborhood scale; examples include City Faces, Blank Space and The Pink House.

I also advocate for placing artists and creative thinkers in alternative positions. The city of St. Louis should have an artist-in-residence or designer-in-residence to help with strategy and out-of-the-box thinking.



RON HIMES, BSBA '78, HONORARY PHD '98

Founder & Directing Producer, The Black Repertory Theatre

The Henry E. Hampton Jr. Artist-in-Residence, Performing Arts Department, Washington University

• *How did the Black Rep start?*

When I was an undergrad here [at WashU], a group of us started a student company, primarily because we didn't feel that African-American students in the theater department were getting enough opportunities. The Black Rep grew out of that, incorporating as the St. Louis Black Repertory Company in 1976.

• *What have you liked most about leading this pivotal organization?*

One of my favorite things is introducing young African-American students to the theater and providing them an opportunity to train, develop and realize that they have the theater as an option.

• *Did last season speak to community issues in St. Louis?*

I think what we experienced last summer was not an isolated incident, but a heightened incident. I think historically and consistently the work we do speaks ... to issues that are current and relevant, and our programming has been set up in hopes of stimulating and facilitating dialogue around these issues.

• *What might others find most interesting about the organization?*

We consider ourselves to be a major part of the fabric of the cultural landscape, yet the void that we came into being to fill is still there. We continue to work to fill it.



DAVID MCGUIRE, AIA, BT '89

The William Bernoudy Vice President, Architecture and Planning,
Saint Louis Zoo

• *How would you describe your role at the Saint Louis Zoo?*

My primary function includes serving as the zoo's chief architect, responsible for design and long-range planning. I coordinate the selection process and manage all the design, engineering and construction management professionals, while overseeing bidding and construction.

• *What do you like most about working here?*

It's the thrill of connecting people with animals; working on a diverse range of projects; building camaraderie with talented curators, researchers and biologists; and having the

chance on a daily basis to observe some of the most fascinating endangered species on the planet. Mostly, though, I enjoy the opportunity to give back to my community by serving at a revered St. Louis cultural organization.

• *What might others find most amazing about the organization?*

The most amazing thing about the zoo is the length to which everyone here will go to provide the very best care for the animals. This sometimes makes things challenging for the design professionals with whom we collaborate, but the end result makes our zoo a model for others to emulate.



SUE GREENBERG, AB '76

Company Manager, The Muny

• *How would you describe your role at The Muny?*

Company management is all about logistics, including housing, travel and many other details not directly related to rehearsing and performing the shows. Working at The Muny is my summer job. During the winter, I'm the part-time executive director of St. Louis Volunteer Lawyers and Accountants for the Arts.

• *What do you like most about working here?*

It's a privilege to work at such a beloved institution and with people who love what they do. And Forest Park is the best lunchroom in St. Louis.

• *Where do you see the greatest potential for enhancing arts and culture?*

I see the most potential in our growing population of tenacious individual artists. They are the dancers, musicians, actors, writers, filmmakers, designers and visual artists who entertain, educate and challenge us to think bigger thoughts. As a community, we're doing more (but not enough) to attract and retain them. My favorite examples include the Cherokee district, a haven for artists and an inspiring example of diverse, urban renewal; the Regional Arts Commission's new fellowship and artist support grant program; the St. Lou Fringe Festival; the renovation of the historic downtown Arcade Building, with 202 affordable artist lofts; and the multivenue *Hands Up, Don't Shoot: Artists Respond* exhibition, featuring works by more than 100 visual artists.



BRIAN COHEN, MA '07

Founder, LouFest

Media Specialist, Department of Education, Washington University

• *How would you describe your role at LouFest?*

In 2013, we partnered with C3 Presents, the company behind Lollapalooza, for the first time to help us grow the event. Many duties shifted to them, so my main focus going forward is on strategic growth and making sure the event stays firmly rooted in the local culture.

• *What might others find most surprising about the festival?*

... how comfortable it feels. Even with 20,000 people, there's plenty of room to spread out with a blanket when you want a break from the crowds. Many also find it surprising that LouFest is so multifaceted. Music is at the heart of what we do, but there's so much more, including great local restaurants, cool local artists and retailers, and an amazing area for kids. Our mission is to bring together people of different ages, races and lifestyles, so they can all share in a common experience.

• *Where do you see the greatest potential for enhancing arts and culture?*

The greatest potential is in our people. Giving more of them tools to participate in the creative life of the city will expand the range of arts and culture for all of us. St. Louis has developed into a hub for bio and tech entrepreneurship. I would love to see similar support extended to the producers of arts and culture as well.



SARAH BRANDT, AB '01

Associate Director of Education and Publications Manager,
The Repertory Theatre of St. Louis

• How would you describe your role at The Repertory Theatre of St. Louis?

My department offers dozens of programs that enrich the theater experience for our patrons. I oversee publications, including study guides, newsletters and education displays, that provide a wealth of background information on each show.

The education department also oversees The Rep's Imaginary Theatre Company (ITC), which is our professional touring ensemble for young audiences. Each season ITC travels all over Missouri and Illinois to bring theater to kids in grades K–6. I also have been commissioned to write several plays that have premiered as part of ITC and gone on to other theaters around the world.

• What do you like most about working here?

There is a lot to love at The Rep. The work on stage is top notch, but The Rep is also dedicated to helping the community in lots of different ways, including staffing events to support St. Louis Effort for AIDS, Operation Food Search and Voices for Children. Everyone at The Rep takes part in making St. Louis a great place to live and work.



ROBERT MOORE, MA '96, PHD '03

Park Historian, Jefferson National Expansion Memorial

• How would you describe your role at the Jefferson National Expansion Memorial?

I am the historian ... currently the point person on the complete reimagining of the park's exhibit spaces under the Arch and in the Old Courthouse, totaling roughly 32,000 square feet.

• What do you like most about working here?

I think the most rewarding aspect of the job has been the opportunity to meet and interview some of the designers and workers who made the Arch a reality. Every oral history interview I have done has been illuminating and special in some way. The workers who braved extreme heights on a curving, wobbly structure (until the final piece was put in place) have incredible and sometimes very funny stories to tell.

• What might others find most surprising about the organization?

We have to get everything accurate, because if we don't, people spot it very quickly. You can't have 2.5 million visitors a year without a percentage knowing as much, if not more, than you do about a particular subject. So the text in the exhibits has to be correct, and the balance of the story has to be right. You can't deal with the nation's two original sins — slavery and the treatment of the American Indian — as we do and tell a biased story.



MARY STRAUSS, MA '69

Partner, Fox Associates LLC

• How would you describe your role at Fox Associates?

I am co-owner of Fox Associates, which includes the Fox Theatre, Fox Event Services, Fox Concerts and MetroTix in St. Louis.

• What was your role in restoring the Fox Theatre?

I served as the director of restoration for the grand reopening of the Fox in 1982. I have continued to work with the staff to ensure the Fox remains the premier theatrical venue in St. Louis.

• How would you describe the Fox's significance on the city's landscape?

With the return of the Fox, national touring shows, which had previously skipped St. Louis for lack of an appropriate venue, returned. St. Louis was again a viable destination for touring

shows and concerts, so the Fox acted as a catalyst for opening Riverport, the Pageant and other performance venues. The Fox is also proud to have played a major role in the revitalization of Grand Center, St. Louis' arts and entertainment district.

• Where do you see the greatest potential for enhancing arts and culture?

The greatest potential is in our ability to engage young people. I am very proud of our contributions through the Fox Performing Arts Charitable Foundation, whose mission is to foster, promote and encourage young people in the region to discover and participate in the joy and wonder of live performances. Exposing young people to the arts helps not only to mold future artists, but also to create the foundation for future audiences. 🎭

Catch up on news of fellow alumni.

We want to hear about recent promotions, honors, appointments, travels, marriages (please report marriages after the fact) and births, so we can keep your classmates informed about important changes in your lives.

Entries may take up to three issues after submission to appear in the magazine; they are published in the order in which they are received.

Please send news to:

Classnotes, Washington Magazine, Washington University in St. Louis, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130-4899

Email wustlmagclassnotes@wustl.edu

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ALUMNI CODES

AR Architecture	HS House Staff
BU Business	LA Arts & Sciences
DE Dentistry	LW Law
EN Engineering	MD Medicine
FA Art	MT Manual Training
GA Graduate Architecture	NU Nursing
GB Graduate Business	OT Occupational Therapy
GD Graduate Dentistry	PT Physical Therapy
GF Graduate Art	SI Sever Institute
GL Graduate Law	SU Sever Institute Undergraduate
GM Graduate Medicine	SW Social Work
GN Graduate Nursing	TI Tech. & Info. Mgmt.
GR Graduate Arts & Sciences	UC University College
HA Health Care Admin.	

50s

Richard E. Orgel, EN 52, retired after 45 years as owner of Majestic Communications, Maco Manufacturing, and Communications Service Co. to enjoy his 10 grandchildren and work on his model train layout.

Jaime A. Yrastorza, DE 57, received the Dental Alumni Association Distinguished Alumnus award in recognition for outstanding dedication and service to dentistry. Yrastorza also published a book, *From Fire to Freedom: Childhood in Colonial Philippines to a Post-WWII Adulthood in America*. The book is available at Amazon.com and Barnes & Noble.

60s

Dan Cadigan, BU 62, was a recipient of *The State Journal-Register's* First Citizen Award for his 50-plus

years of volunteer work with youth, education and governmental organizations. The annual award recognizes service that contributes to the betterment of the Springfield, Ill., community. Cadigan retired as a managing partner at Kerber, Eck & Braeckel LLP, an accounting, financial planning and wealth management firm.

Barbara (Shaw) Clark, MD 62, and her husband, Owen, moved from Seattle to Ashland, Ore., to be near their daughter and to enjoy cultural opportunities in the area.

Lary Baker, GR 63, was elected to the Clayton school district's Clayton Alumni Hall of Fame as a distinguished educator. From 1966 to 2002, he taught history and economics at Clayton High School, where he always greeted his students, "Good morning, scholars."

Diana Hosley Burchfield, FA 65, showed her painting "Moonlight" at Watercolor U.S.A. 2014, a national,

juried exhibition sponsored by the Springfield (Mo.) Art Museum that presents the best in contemporary American water media. Burchfield's painting "Change of Season" was also accepted in a juried international exhibit in Pennsylvania.

Joan Tatelbaum Erber, LA 65, published a book she co-authored, *Great Myths of Aging* (Wiley, 2014). The third edition of her textbook, *Aging and Older Adulthood*, was published in 2013 (Wiley). Erber is professor emeritus of psychology at Florida International University.

Glenn M. Moreton, LA 65, had his paintings featured in the February 2014 issue of *Visual Language* magazine. A winner of numerous national competitions, Moreton is a realist painter of contemporary cityscapes. His work has been exhibited in New York, Washington, D.C., and San Francisco, and at the State Tretyakov Gallery, in Moscow.

John Throckmorton, GB 65, and his wife, Martha, live in Huntley, Ill., and are enjoying life with their four daughters and eight grandchildren.

Peter Flachsbart, EN 66, AICP, received the 2013 Leadership Award from the Chapter Presidents Council at the American Planning Association's (APA) national conference. The award recognizes his 30 years of service as a professional development officer of the Hawaii APA chapter.

Neil D. Rosenberg, LA 66, was inducted into the Milwaukee Press Club Media Hall of Fame for his 30 years of career achievements at the *Milwaukee Journal* and *Milwaukee Journal Sentinel*. Rosenberg was the longtime medical reporter at the *Milwaukee Journal* and later an assistant feature editor in charge of the health section.

Perci Chester, FA 67, had an exhibition of sculpture and prints titled "Signature Moves" at Traffic Zone Gallery, in Minneapolis. The exhibition revealed the dynamic

relationship between Chester's three-dimensional sculptures and two-dimensional prints. She also introduced time-based media via video projections onto "Wirewalk," one of her sculptures, encompassing the space on and around the piece.

Sandra Lowery, NU 68, retired after teaching nursing in both the community college and university settings for 40 years.

Robert J. Matlock, BU 68, authored an article and spoke at a Collaborative Law Seminar sponsored by the State Bar of Texas. Matlock was also elected as a director of the Collin County (Texas) Bar Association.

William C. Orr, GR 68, GR 69, received the Clinical Research Leadership Award from the National Sleep Foundation. The award is for leadership contributions to the sleep field related to clinical research. Orr founded the first clinical sleep facility in Oklahoma and served on the medical team that created the term "sleep apnea."

William "Bill" Siedhoff, UC 68, SW 73, director of the city of St. Louis Department of Human Services, received the Saint Louis Crisis Nursery's Lifetime Achievement Award in recognition of his contributions to the safety and protection of at-risk children and families in the St. Louis region.

Jim Steinberg, LA 68, has had 10 of his short story collections published in literary journals. His latest works include *Filling Up In Cumby and Other Stories* (Amazon Digital Services, 2014), *Last Night at the Vista Café* (Amazon Digital Services, 2014) and *Boundaries* (CreateSpace, 2013), his first novel. A divorce mediator as well as an author, Steinberg lives on the north coast of California.

John Vlachopoulos, SI 68, SI 69, professor emeritus of chemical engineering at McMaster University in Ontario, Canada,

received the Bruce Maddock Award of the Extrusion Division of the Society of Plastics Engineers for fundamental contributions to single screw plastics extrusion; received the SABIC Lectureship Award from the University of Akron in Akron, Ohio; and presented two lectures on polymer extrusion also at the University of Akron.

Ronald Haggh, GB 69, established Darien Consulting Associates Inc., in Darien, Ill., in 1996 as a successor to The Megwin Group Inc., which he co-founded. Haggh has been a management consultant since his early retirement from Bank of America in 1991. His son joined the consulting firm and opened a technology consulting practice in Jasper, Ind.

70s

Richard W. Brown, HA 70, is chairman of the boards of American Century Investments, Stowers Resource Management and BioMed Valley Discoveries. He is also a member of Promega Corporation's board of directors.

William Helmreich, GR 70, GR 71, has written his 14th book, *The New York Nobody Knows: Walking 6,000 Miles in the City* (Princeton University Press, 2014). Helmreich is professor of sociology at the City University Graduate Center and the Colin Powell School for Civic and Global Leadership at the City College of New York.

Larry Miner, LA 70, retired after 45 years of teaching in Missouri, Illinois and Florida. He and his wife, Melissa, live in Ft. Myers, Fla.

John Sheridan, LA 70, had his latest dining chair, "P-14" in mahogany, selected for the California statewide exhibit *Dimensions 2014* at the San Luis Obispo Museum of Art.

Scott Vogel, LA 70, edited the new ebook, *Good Grammar: Them's the Rules*. A free download is avail-



James Beard

Brittany Packnett works on social justice issues in education, policing and community relations.

Fighting for Justice

Brittany Packnett's commitment to social justice was first learned at home. "My mother is a graduate of the Brown School, and my father is a former adjunct professor in African and African-American studies," Packnett says. "They were both very adamant, while raising me and my brother, about teaching us that the work of social justice was not over."

Packnett took these lessons to heart, devoting her career to creating opportunities for minorities and shaping tomorrow's leaders.

After Packnett graduated from Washington University with a degree in African and African-American studies in 2006, she moved to Washington, D.C., to work for Teach For America (TFA), while getting her master's degree in elementary education. She then worked as a legislative assistant to U.S. Rep. William Lacy Clay (Mo.), eventually re-joining TFA as director of government affairs. She also helped found The Collective, a TFA-alumni-of-color organization.

Today, Packnett serves as executive director of Teach For America in St. Louis. Two additional appointments in fall 2014 shined further light on her leadership abilities, when she was named to the President's Task Force on 21st Century Policing and Missouri Gov. Jay Nixon's Ferguson Commission.

Packnett had risen to national prominence a few months earlier as she labored for institutional change in the wake of the killing of unarmed black youth Michael Brown by a white policeman in Ferguson, Missouri, in August 2014.

One of Packnett's formative childhood memories is hearing her father's account of "being thrown against the hood of his Mercedes and beaten by a policeman as my 5-year-old brother watched, screaming and crying from the backseat," she says.

"I remember ... feeling utterly confused because police officers weren't supposed to behave like that," she recalls.

After Brown's killing, Packnett felt compelled to help organize protests around Ferguson. She helped create a newsletter and appeared in media outlets, such as CNN, NPR and the Huffington Post, speaking out for the protesters and the need for change.

"We were out many nights not knowing what was going to happen, but we knew we had to stand up," Packnett says. "The night of the grand jury announcement was an incredibly scary night. I was supposed to do a CNN interview, but that never happened because when the tear gas came, I had to run."

By then, Packnett, a North County native, had already been appointed to the task force, which released its initial report in March 2015 after 74 intense days of hearings and research.

"We had some very honest conversations," she says. "The report focuses on how we can ensure policing is racially and procedurally just and greeted with legitimacy in the community."

Packnett's Ferguson Commission work has a longer time frame, with a report due to Gov. Nixon this September.

"In the report, we'll see some very pointed language about the debtors' prisons in St. Louis County," she says, "And I believe we'll see a very honest conversation not just about deep racial divides in St. Louis but in America in general."

No small part of her yen for social justice, which led to Packnett recently receiving TFA's Peter Jennings Civic Leadership Award, is due to the education she received.

"I've been calling on the critical-thinking skills I learned at WashU to ask difficult questions about what's really happening in our communities to people on the margins," she says.

"I was an Ervin Scholar, and when we talk about questions of order versus justice, I think of [the late John] Ervin and [the late] Dean James McLeod. [McLeod] taught me to move toward what is right, not what's easy. There's a particular legacy of African-American leadership at WashU that was critical to my development and understanding." — Byron Kerman

able at smashwords.com. Further, Vogel and his wife, Susan, have been restoring their 1887 townhouse since 1983.

David Fulk, LA 71, is a writer and editor living near Boston. He has written five independent feature films and directed two (*Night Visitors* and *The Road to Flin Flon*). He also has compiled and edited two baseball anthologies, *The Cubs Reader* and *A Blue Jays Companion*. His middle-school novel about a pet T-rex, *Raising Rufus*, was recently published.

Greg Marecek, LA 71, and Myron Holtzman have updated their 2010 book, *The Cardinals of Cooperstown*, and are offering it to fellow alums at a discounted price. Email gmfans@hotmail.com. Marecek is also the founder and president of the St. Louis Sports Hall of Fame.

J. Stuart Showalter, LW 71, recently published the seventh edition of his textbook, *The Law of Healthcare Administration* (Health Administration Press, 2014). He lives in San Diego, Calif.

David J. Cohen, MD 72, was promoted to brigadier general in the Texas State Guard by Texas Gov. Rick Perry and appointed to command the Texas State Guard Medical Brigade. Earlier, Cohen was chief of cardiothoracic surgery at Brooke Army Medical Center when he retired from active duty in the U.S. Army with the rank of colonel.

Robert Steinberg, LA 72, retired from the bench in July 2014 after serving as an associate judge in Maryland's Eighth District Court since 1998. In 2013, he was the first judge to receive the Baltimore County Bar Association's 25-year-old J. Earle Plumhoff Professionalism Award.

Thomas L. Story, LW 72, an attorney with Greensfelder, Hemker & Gale PC, was honored by *Chambers USA 2014: America's Leading Lawyers for Business* in the real estate law area in St. Louis.

Leonard D. Vines, LW 72, an attorney with Greensfelder, Hemker & Gale PC, received top national honors from *Chambers USA 2014: America's Leading Lawyers for Business* in the franchise law area in St. Louis.

Lawrence J. Altman, EN 73, was invited by The Missouri Bar's board of governors to chair the Joint Task Force on Lawyers Helping Lawyers, which will address the problem of lawyer suicide. Altman also is co-chair of The Missouri Bar's Lawyers Assistance Committee. The special education lead attorney and compliance officer for the Kansas City Public Schools, he is an adjunct professor at Avila University, in Kansas City, Mo.

James M. Chleboun, FA 73, earned a master of fine arts degree in drawing and painting from Lindenwood University in May 2014. In 1997, he earned a master's degree in library science from the University of Missouri.

Maurice L. Shevin, LA 73, an attorney in the Birmingham, Ala., office of Sirote & Permutt, was reappointed by the U.S. Commission on Civil Rights for a two-year period on the Alabama advisory committee.

Roslyn Ehudin Zinner, LA 73, celebrated her 41st wedding anniversary with **David Zinner**, LA 95, originally from the class of 1972 (but graduated several years later). They have two daughters and one grandson. Roslyn has been a clinical social worker and psychotherapist since 1975 and an artist for many years. She had her mosaic art shown at the Hoffberger Gallery in Baltimore. Her portraits and watercolors can be viewed at roslynzinner.com.

Doug Burns, GA 74, SW 74, a principal of Peterson Associates, reports that the architecture firm joined KSQ Architects in summer 2014 to bring together engineering and interior design expertise in the areas of higher education,

multifamily and health care for clients in the southeastern region of the United States. **Garrett K. Krishan**, GA 80, is vice president of KSQ.

Mary Golleher-Sumers, GF 74, is painting and reading.

Michael Isikoff, LA 74, is chief investigative correspondent at Yahoo News, helping to build Yahoo's new investigative unit from his base in Washington, D.C. Previously, Isikoff was an investigative reporter with NBC.

Susan Loman, LA 74, professor and director of Antioch University New England's dance/movement therapy and counseling program, received the American Dance Therapy Association (ADTA) 2014 Lifetime Achievement Award at ADTA's national conference in November. The honor recognizes individuals who have had a lifelong commitment to the field, as well as to ADTA.

Howard Mock, AR 74, GA 76, attended the Climate Reality Leadership Corps Training with Al Gore in Chicago in 2013, earning the designation of climate reality leader. Climate leaders commit to addressing the impacts of climate change and implementing solutions.

In addition, as an Illinois Solar Energy Association ambassador, Mock works to increase awareness, understanding, support and use of renewable energy technologies.

Branch Morgan III, LA 74, performed a self-choreographed dance, "The Charleston for the Ageless Grace Concert," at the Creative Alliance at the Patterson in Baltimore, Md.

Mark Troy, GR 74, penned a second who-done-it, *The Splintered Paddle* (Five Star Publishing, 2014), featuring Honolulu detective Ava Rome. His first mystery was *Pilikia Is My Business* (Ilium Books, 2011), also set in Honolulu. When not writing mysteries, Troy is involved in research and administration at Texas A&M University.

Rhea Oelbaum, SW 75, co-authored "End of Life Care for Pediatric Lung Transplant Patients," a chapter for a publication of the International Society for Heart & Lung Transplantation. A transplant social worker at St. Louis Children's Hospital, Oelbaum previously worked at the Washington University School of Medicine. She was married to the late **Stuart Oelbaum**, LW 77.

Debbie M. Orshefsky, LA 75, an attorney with Greenberg Traurig LLP, was ranked in the 2014 *Chambers USA Guide* for her practice in zoning and land use.

Edward A. Wise, LA 75, received the 2013 Florence Halpern Award – sponsored by the American Psychological Association and the Society for Clinical Psychology – for his professional contributions in clinical psychology.

Michael Shindler, LW 76, relaunched Four Corners Advisors Inc., a boutique hospitality transaction firm that advises owners and developers of hotels and casinos. He previously shuttered the firm in 2010 to join Hard Rock International. Four Corners has offices in Chicago and Orlando, Fla.

Timothy Luke, GR 77, GR 81, received the American Political Science Association's 2014 Charles A. McCoy Career Achievement Award, which recognizes a progressive political scientist who has had a long, successful career as a writer, teacher and activist. Luke is the University Distinguished Professor of Political Science and chair of the Department of Political Science at Virginia Polytechnic Institute and State University.

Edward P. Syron, HA 77, received the 2014 American College of Healthcare Executives (ACHE) Senior-Level Executive Regent's Award for Southwestern Ohio in recognition of his contribution to the advancement

of excellence in health-care management. Syron also was inducted into Wright State University's Gamma Alpha Chapter of the Delta Omega Honorary Society in Public Health.

David Edelman, LA 78, was promoted to associate professor at Shenandoah Conservatory in Winchester, Va., where he is the director of the Performing Arts Leadership and Management Program.

Ken Rose, LA 78, a lawyer with the Center for Death Penalty Litigation, has represented more than 200 inmates on North Carolina's death row. His decade-long fight to overturn the death sentence of a farmhand accused of murder is chronicled in *The Last Lawyer: The Fight to Save Death Row Inmates* (University Press of Mississippi, 2009).

Nancy Watkins, LA 78, was appointed by Missouri Gov. Jay Nixon to serve as associate circuit judge for the 21st Judicial Circuit of Missouri, which covers St. Louis County.

Ellen Woloshin, LA 78, released a new album, *Water Into Wine*. It is available with her other releases at ellenwoloshin.com/music.

Vicki Eaklor, GR 79, GR 80, GR 82, professor of history at Alfred University, is one of 10 historians nationally selected for the editorial board of *The American Historian*. The quarterly magazine publishes to more than 7,000 members of the Organization of American Historians and online.

Margaret (Wilson) Elliott, LA 79, GB 86, is manager of communications at Ascension Health, focusing on caregiver engagement and Web-based communications. Elliott and her husband of 26 years, Denny, have lived in a nearly century-old home in North St. Louis County since 1991.

Tom Linder, EN 79, retired from Hewlett Packard in spring 2014.



Joe Angeles

As executive director of Girls on the Run, Courtney Berg combines her interests in social work and running.

Healthy Living for the Long Run

On a sunny morning in May, Courtney Berg, MSW '05, scans the streets of downtown St. Louis, bustling with close to 10,000 grown-ups and girls in green and teal T-shirts. As executive director of Girls on the Run (GOTR), Berg has been working toward this race day, a 3.1-mile run undertaken by thousands of metro-area girls who have completed the organization's 10-week training program. It's the largest timed 5k in St. Louis.

Berg has been here since 4 a.m., taking care of race-day details. "Things build slowly," she says. "The DJ starts playing music, more and more families come, and suddenly I turn around and there are nearly 4,000 girls having a dance party on Market Street."

Held each spring and fall, the race is the culminating event for the GOTR girls. For the preceding three months, the third- through eighth-graders have met twice weekly with volunteer coaches to complete the GOTR curriculum, which combines training for a 5k run with lessons that inspire girls to become independent thinkers, enhance their problem-solving skills and make healthy decisions. For example, in the lesson "Valuing What's Important," coaches guide the girls in a conversation about character, inner beauty and standing up for one's values.

Berg has completed a dozen marathons, but it was the water, not the racetrack, that first drew

her into sports. "I took my first steps on a dock," she says. As a girl in St. Louis, she swam breast-stroke events and the 500 freestyle. But by the time she got to college in Michigan, she found it hard to make it to the pool. Instead, she began running with friends.

"Running made me feel so capable," she says. "When you silence the noise around you, you can hear the voice within."

After graduation, she took her running shoes to East San Jose, California, where she joined Teach For America at one of the largest high schools west of the Mississippi. Working with kids who had significant learning, physical and cognitive differences, she created a program that grouped students and teachers into "families" and approached their topics thematically.

"Running needed to be part of my self-care," Berg says. "It allowed me to be more present for my students."

When she returned to St. Louis for graduate studies at the Brown School, she signed up as a volunteer coach with Girls on the Run at St. Gabriel the Archangel School in South St. Louis. Berg immediately felt a connection to the program's potential as a therapeutic intervention. "Every week, the girls came ready to talk; they had amazing insights," she says. "When we can equip girls early on, their self-esteem improves. They make a commitment to healthy living."

After earning an MSW, Berg spent five years as director of Catholic Charities Southside Center. In 2011, she was drawn back to Girls on the Run, this time as its executive director.

The St. Louis council of Girls on the Run has seen explosive growth since its founding, from about 20 girls in 2002 to 7,000 today. "We've never approached a school," Berg says. "The initiative always comes from a school, the parents, the counselors." She credits this grassroots approach as one of the reasons for the program's high site retention.

Berg is often asked whether there is a "Boys on the Run" on the horizon. "There's a need for this program for girls," she says. Besides, boys benefit from the program, if indirectly. As the mother of two sons, she says, "These are the women I want them to be surrounded by."

Thinking back to race day, Berg has to catch her breath, as it sinks in that there are this many girls — and their families and their coaches — who believe that the finish line is just the start. "As I run alongside the girls," she says, "I wonder, 'What if we did this more?'" — Kathleen Fields

Leon Stechenberg, HS 79, retired from surgical practice in June 2014.

80s

Anthony Blumberg, LA 80, is a member of the City Council of Highland Park, Ill., currently serving the last year of a four-year term of office.

Kenneth Goldblum, LA 80, MD 85, was appointed chief medical officer at Tandigm Health, a network of primary care physicians in southeastern Pennsylvania dedicated to improving quality and efficiency through a system of physician-led, coordinated care.

David M. Harris, LW 80, an attorney with Greensfelder, Hemker & Gale PC, was honored by *Chambers USA 2014: America's Leading Lawyers for Business* in the general commercial litigation practice area in St. Louis.

Paul Axtell, GB 81, recently published *Meetings Matter: 8 Powerful Strategies for Remarkable Conversations* (Jackson Creek Press, 2015). Axtell has more than 35 years of experience as a consultant and corporate trainer in personal effectiveness.

Barbara Blaine, SW 81, founder and president of the Survivors Network of those Abused by Priests (SNAP), received the 2014 Elmer Gertz Award for Human Rights from the Illinois State Bar Association. Partly as the result of Blaine's work with SNAP, in 2013 Illinois Gov. Pat Quinn signed into law legislation that eliminates the statute of limitations in both criminal and civil cases.

Rodger Elble, HS 81, was named the 2014 Outstanding Scholar at Southern Illinois University School of Medicine where he is professor of adult neurology and director of the neurology residency program. An internationally recognized expert in movement disorders, Elble received the award based on his

outstanding international reputation for achievement in research related to tremor.

Wayne S. Atebara, LA 82, who was president of the American Board of Oral and Maxillofacial Surgery from 2012 to 2013, was honored at the conclusion of his presidency at a dinner and reception hosted by the board's directors.

Theodore Y. Blumoff, LW 82, wrote *When Nature and Nurture Collide: Early Childhood Trauma, Adult Crime, and the Limits of Criminal Law* (Carolina Academic Press, 2014). In it, he examines the neuropsychological injuries suffered by seriously abused and neglected children, toward an explanation for why those children produce children who tend to abuse and neglect their own, and sometimes other, children.

Stephen Gallant, BU 82, is the founding shareholder and chief investment officer of Weisshorn Re, a reinsurance company established in Zurich. He and his wife are living their empty-nester days in Zurich and also maintain a home in Atlanta.

James F.T. Monhart, BU 82, was elected to the National Parkinson Foundation board of directors. He is the chief risk officer for wealth management for Northern Trust's private wealth business. Since 1998, he has also been the firm's senior vice president.

Larry Fine, LA 83, has written *Murdering Lawyers* (Grey Swan Press, July 2014). The book is a fictional legal thriller with murder and international intrigue that involves many of the most powerful lawyers and judges in New York City.

Sandra Hofmann, GM 83, MD 83, HS 86, received a research grant from Uniting Against Lung Cancer, a nonprofit that funds innovative research and raises awareness for lung cancer. Hofmann is at The University of Texas Southwestern Medical Center.

David D. Levine, LA 83, sold his novel *Arabella of Mars* to a science-

fiction publisher in a three-book deal. Levine has published more than 50 short stories, has won a Hugo Award and was nominated for the Nebula.

Jeanette Meyer, LA 83, principal with Meyer and Associates at RE/MAX Alliance in Fort Collins, Colo., earned the Quality Service Certified® Platinum award, the real estate industry's highest recognition, for earning 100 percent client service satisfaction in 2013. Meyer's firm contributed nearly \$2,000 in 2013 to the Make A Difference program.

Gabe Spalding, LA 83, was the inaugural recipient of the American Physical Society's (APS) Jonathan Reichert and Barbara Wolff-Reichert Award for Excellence in Advanced Laboratory Instruction. Spalding also was named a fellow of the APS and of the Society of Photo-Optical Instrumentation Engineers, as well as the inaugural Ames Professor of Physics at Illinois Wesleyan University.

Rob Dyer, LA 84, was named senior vice president of developer relations at Tapjoy, Inc., a mobile advertising technology firm. Most recently, Dyer was the head of publishing at Zynga.

Charles D. Hawker, EMBA 85, received the Outstanding Lifetime Achievement Award in Clinical Chemistry and Laboratory Medicine from the American Association for Clinical Chemistry. Hawker is the scientific director for automation and special projects at ARUP Laboratories in Salt Lake City, Utah, and is also an adjunct professor of pathology at the University of Utah School of Medicine.

Gregory R. Leigh, GR 85, was awarded the Officer in the Order of Australia honor "for distinguished service to the deaf and hard of hearing community, particularly children, through education, research, public policy development and specialist services."

Jim Monafio, LA 85, a partner in the St. Louis office of Husch Blackwell, won in the litigation category for Missouri in the 2014 Lexology *Client Choice Guide — USA and Canada*. Husch Blackwell was named the leading Missouri firm.

Margaret Roman, LA 85, left international banking after 18 years and is enjoying her new career as executive director of an arts and creative district that is using art as a catalyst for economic development.

Dennis Winn, LA 85, LA 85, is director of technology and business development for Accuride Corporation in Evansville, Ind. Winn also serves on the Technical Standards Board of the Society of Automotive Engineers International.

Carl Berg, MD 86, HS 89, was elected president of United Network for Organ Sharing (UNOS), which serves as the nation's organ transplant network under federal contract. Berg is professor of medicine and medical director of abdominal transplantation at Duke University Hospital.

Robin (Distenfield) Boisvert, LA 86, is a paralegal at Timm & Garfinkel LLC, in Deerfield, Ill. Boisvert's oldest daughter is a senior at Millikin University, in Decatur, Ill., and her youngest daughter is a freshman at Transylvania University, in Lexington, Ky.

Jennifer Breen, LA 86, is a professional chef and public health nutritionist. She teaches an undergraduate cooking/nutrition class at the University of Minnesota in the university's Healthy Foods, Healthy Lives Institute. Breen is a co-author of the cookbook, *Cooking Up the Good Life, Creative Recipes for the Family Table* (University of Minnesota Press, 2011).

Victoria Day, BU 86, earned her master's in education in professional counseling from Stephens College in Columbia, Mo. She is the owner of Embodiment, LLC, and in the past year, she celebrated both her 50th

birthday and her 10-year anniversary with her life partner.

Beth Levine, LA 86, is a para-equestrian athlete training in Ohio. To learn about the para-equestrian discipline, visit the United States Para-Equestrian Association website at www.uspea.org.

Markus P. Cicka, LA 87, is a partner at Stinson Leonard Street LLP, responsible for growing the firm's health-care practice in St. Louis and throughout the Midwest. Previously, he was director of compliance for Centene Corporation's home state health plan and the first director of the Medicaid audit and compliance unit for Missouri.

Laura (Ourada) Valero, LA 87, retired in September 2013 from the Federal Aviation Administration where she served as pandemic coordinator, among other roles. Valero was accepted into Virginia Commonwealth University's accelerated nursing program to continue studies as a nurse practitioner.

James Worthington, EN 87, is in his fifth year of starting his own law firm.

Jonathan Binstock, LA 88, LA 88, has been named the Mary W. and Donald R. Clark Director of the University of Rochester's Memorial Art Gallery. He previously was senior vice president and senior adviser in modern and contemporary art for Citi Private Bank's Art Advisory & Finance group.

Deborah Lynn Dudley, LA 89, FA 89, exhibited her new body of work in Berlin called "Brain Candy," which looked at the relationship that adolescents have to photography.

Bradley Gould, LA 89, an attorney with GrayRobinson in the eminent domain practice, was recognized by Super Lawyers, a rating service of outstanding lawyers, as a Florida Super Lawyer.

James C. Hetlage, LW 89, was selected for inclusion in *The Best*

Lawyers in America 2015 for his work in employment law management.

Dan Saklad, LA 89, and his wife, Diana, opened a specialty kitchen retail store, Whisk, in Cary, N.C. It features more than 10,000 items for the home cook and the professional chef. The store also features a kitchen for cooking classes.

90s

Amy Behle, BU 90, moved to Atlanta from California to join her fiancé and his family. She looks forward to connecting with Washington University alumni there.

Jeffrey H. Woodruff, LA 90, earned a master's degree in architecture with honors from the University of Colorado Denver. During his graduate studies, he worked with nonprofits, including the Museum of Contemporary Art Denver, the Denver Art Museum and Historic Boulder. Woodruff lives in Denver and Snowmass, designing and building furniture.

Sara (Klinges) Andersen, GA 91, was promoted to principal in the San Francisco office of global architecture and design firm Perkins+Will. Andersen, who served as the interior design discipline leader at the firm, has worked in interior design for more than 20 years.

John Kelley, AR 91, celebrated his second year as the chief building official with the city of Olathe, Kan. Kelley oversees construction projects in the city and manages a 17-member staff that enforces building codes and zoning compliance.

Karen (Klaus) Kolin, LA 92, became director of strategic relations for CNS Healthcare after spending five years running a small psychiatry practice and clinical research site. She lives in Orlando with her husband, Lawrence, and children, Dena, 8, and Abi, 6.

Samantha Krukowski, GR 92, edited the book, *Playa Dust: Collected Stories From Burning Man*.

Jara Landon-Negrin, LA 92, is proud to report that her daughter, Hayley Faith Negrin, 11, won a 2014 Daytime Emmy for her role as Peg on the PBS show *Peg + Cat*.

Robert Lindsey, LA 92, earned the Cato Par Excellence Teaching Award for outstanding teaching, research and service at Johnson C. Smith University, in Charlotte, N.C. Lindsey is an associate professor of health education at the university. He and his wife, Valeria Gray-Lindsey, have two sons: One son is serving in the Air Force, and the other is in sixth grade.

Jeanne Qiu, GA 92, is a lab planner in the St. Louis office of HOK. A member of the firm's science and technology practice, Qiu is planning, programming and designing lab spaces for university and corporate clients.

Nick Santora, AB 92, a Hollywood television and film writer/producer (*Sopranos*, *Law & Order*, *Prison Break*, *Breakout Kings*, *Scorpion*), is also a bestselling author of two novels, *Slip & Fall* and *Fifteen Digits*. Stories about mobsters and convicts are clearly adult fare. When asked by his children why they couldn't watch any of daddy's shows, Santora decided to write a story for children. In fall 2014, Santora unveiled *I Want an Alien for Christmas*, a chapterbook featuring Santa; his head elf, Elvis; an adorable alien; and three children from a small New England town. The adventure centers on the children discovering that an alien and Santa have switched places.

Robert Glinski, LA 93, recently published *The Friendship of Criminals* (Minotaur Books, 2015), a book based on his experiences as a Philadelphia criminal defense attorney in the late 1990s.

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Mythology Entertainment has optioned the movie rights.

Adam Hartzell, LA 93, SW 96, was a panelist at the Society for Cinema and Media Studies conference in Seattle. Hartzell also presented the South Korean melodrama classic, *Madame Freedom*, at the Bay Area Now 7 exhibition in San Francisco at the invitation of the Yerba Buena Center for the Arts.

Steve Pozaric, GB 93, partner in Armstrong Teasdale's Corporate Services Practice Group, was named the general chairman of Fair Saint Louis for 2015. Having served as an integral part of the fair's leadership team over the past five years, including serving as chairman of venue management in 2014, Pozaric brings a wealth of knowledge and experience to his new role.

Paul A. Ruggieri, HS 93, recently published *The Cost of Cutting: A Surgeon Reveals the Truth About a Multibillion-Dollar Industry* (2014). His previous book was *Confessions of a Surgeon: The Good, the Bad, and the Complicated ... Life Behind the O.R. Doors* (2012).

Andrea (Blumberg)

Andreasson, GB 94, is working half time to spend more time with her three children.

Bennie H. Jeng, LA 94, was named professor and chairman of the Department of Ophthalmology and Visual Sciences at the University of Maryland School of Medicine in August 2013. He and his wife, Linda, reside with their three children in Clarksville, Md.

Christina Z. Randolph, SW 94, is a partner at Thomson Coburn LLP, in the firm's health-care practice group. She provides legal and business advice to integrated health-care delivery systems, hospitals, physicians and other health-care clients. Earlier, Randolph provided counseling services to children, families and adults as a licensed clinical social worker.

David Straker, LA 94, went into full-time practice as a psychiatrist in Manhattan, N.Y., after working the past nine years in academic medicine as the psychiatry attending and fellowship director at Long Island Jewish Hospital.

Jedd Davis, LA 95, a media and marketing professional for Publicis Health Media, was elected to the board of directors of Collab, a group that supports modern and contemporary design at the Philadelphia Museum of Art.

Adam Elegant, LA 95, is leading the West Coast Family Office Practice of Kohlberg Kravis Roberts (KKR), in San Francisco. Elegant lives in Marin County with his wife and their two daughters and son.

William "Bill" Carson Jr., SI 96, SI 96, is vice president, community impact strategy, at U.S. Bancorp Community Development Corporation. The group Carson oversees focuses on new approaches to social impact, corporate strategy and business development.

Diane L. Smith, OT 96, has joined MGH Institute of Health Professions as an associate professor of occupational therapy in the School of Health and Rehabilitation Sciences. Previously, Smith was chair of the Department of Occupational Therapy at the University of Missouri at Columbia.

Craig Bauer, LA 97, GR 97, his wife and their young son, moved from Middletown, Conn., to Marietta, Ga. Bauer continues to work for Aetna, where he has been for 17 years heading the company's Southeast region actuarial department.

Priscilla Block, GF 97, received the 2014 Dean's Award for Lifetime Achievement in the Arts from the College of Fine Arts and Communication at the University of Missouri—St. Louis. Since 2001, she has served as executive director of St. Louis ArtWorks, which provides apprenticeships in the arts for youth in the St. Louis metropolitan area.

Edward E. Curtis IV, GR 97, published *The Call of Bilal: Islam in the African Diaspora*. The book is an account of the diversity of Islamic religious practice among African Muslims worldwide.

Janet Goddard, UC 97, is a fiction writer and a full-time high school English and creative-writing teacher at Visitation Academy in St. Louis. The author of *Shake the Middle Tree*, Goddard is working to get a music libretto — *The Mechanical Cat*, which she wrote with composer Gretchen Hewitt — produced.

Larissa Leclair, LA 97, LA 97, received the Griffin Museum of Photography's Spotlight Award for creating the Indie Photobook Library, an archive that showcases and preserves self-published and independently published photobooks.

Joshua Dorkin, LA 98, celebrated the 10th anniversary of his company, BiggerPockets. He recently published a book, *The Book on Investing In Real Estate with No (and Low) Money Down: Real Life Strategies for Investing in Real Estate Using Other People's Money* (BiggerPockets Publishing, 2014).

Sarah Hardy, LA 98, and her husband, Mark Becker, welcomed their second son, Isaac Avi, in May 2013. Isaac joins a brother, Simon Jacob, born in May 2011. The family resides in Rockville, Md.

Dan Harmon, EN 98, and his wife, **Chrissi (Franz) Harmon**, LA 99, OT 01, along with their children, Kaelyn, Kelly and Brogan, welcomed a healthy and happy baby, Erin Lynn Harmon, in May 2014. The family resides in Cary, N.C.

James Reiland, LA 98, joined Reed Smith LLP's Chicago office as a partner in the firm's U.S. commercial litigation practice group. Reiland concentrates his practice in the areas of complex commercial litigation and arbitration.

Mark Vranicar, HS 98, was promoted to associate professor of pediatrics in the pediatric

cardiology division at the University of Kentucky College of Medicine. In October 2014, he was among the recipients of the UK College of Medicine's Abraham Flexner Master Educator Award for his contribution in teaching, leadership, innovation, evaluation and development.

Ben Winters, LA 98, was named to the panel to select the 2014 winners of the Eugene and Marilyn Glick Indiana Authors Award for literary achievement. A creative-writing adjunct professor at Butler University, he is the author of *Countdown City*, which was selected for National Public Radio's list of Best Books of 2013 and nominated for a Philip K. Dick Award.

Angelica Zeller-Michaelson, GR 98, moved to Munich, Germany, with her husband and children in fall 2013.

Josh Balber, LA 99, was named communications director at the Jackie Robinson Foundation. Previously, Balber was assistant vice president of communications at the New Jersey Performing Arts Center.

Leah Barron, LA 99, was recognized as a "Top 40 Under 40" attorney by National Trial Lawyers. Barron handles environmental and toxic tort litigation at Janet, Jenner & Suggs LLC.

Lance Goldstein, BU 99, and his wife, Blair, welcomed their second son, Levi Tyler, in April 2014. The family lives in Philadelphia where Lance is a wealth-management adviser with Merrill Lynch, celebrating 15 years with the firm.

Robert Newman, LA 99, managing partner of National Planning Corporation (NPC), was the recipient of GAMA International's Brian H. Early Frontline Excellence Award. The award highlights financial strategy managers who are role models and are seen as emerging leaders.

Eric Pogue, GR 99, a partner with Hunton & Williams LLP practicing in the firm's Washington, D.C., office, was named to *Law360's* Rising Stars

for 2014 for his work in energy law. The annual Rising Stars list recognizes lawyers under the age of 40 with notable accomplishments in their respective practice groups.

Jason Stumpf, LA 99, GR 04, was promoted to head of the humanities department at Walnut Hill School for the Arts, in Natick, Mass.

Tony Thompson, SI 99, with Chris "Klevah!" Shaw, opened TBeats Studio, a music production studio in downtown St. Louis to help musicians achieve a professional sound on an affordable budget. TBeats also produces the Live Your Dream scholarship program and concert, established to provide music scholarships to talented high school seniors.

Sara Velas, FA 99, was elected president of the International Panorama Council, which campaigns to save endangered panorama paintings. She is the first American, the first woman and the first artist to lead the organization. Velas also is the founder and artistic director of The Velaslavasay Panorama, an exhibition hall, theater and garden dedicated to producing and presenting unusual visual experiences, including those of the 360-degree variety.

Chad West, BU 99, was recognized with the Graduates of the Law Decade (GOLD) Award by Texas Tech University. As one of Dallas' top criminal defense attorneys, West is no stranger to accolades. He was also listed as one of the Top 100 Trial Lawyers in 2013 and 2014 by National Trial Lawyers and has been named "Texas Rising Star" by Super Lawyers for four consecutive years (2011–14).

Jen (Chierek) Znosko, LA 99, and her husband, Brent, welcomed their second son, Wesley Edward, on Sept. 17, 2013. Jen is of counsel at Littler Mendelson PC, specializing in employment law. The family resides in St. Louis.



Jim Olivera

Alumnus Alexander Cox was named the Air Force Cadet of the Year in December 2014.

Flying High

Being well-grounded is helping alumnus Alexander Cox reach great heights, both figuratively and literally. Named the 2014 Air Force Cadet of the Year at a Dec. 5, 2014, Pentagon ceremony, 2nd Lt. Cox has reported for flight training with the Euro-NATO Joint Jet Pilot Training program — preparation, possibly, for a career as an astronaut.

The Rochester, Minnesota, native credits his "fantastic parents" for his rise. "How they raised me and my siblings really set us up, instilling ideas of hard work and honesty, being kind and working with other people as much as we can," says Cox, who graduated in 2014.

Hard work marked his career at Washington University, where he earned both a bachelor's degree in mechanical engineering, summa cum laude, and a master's in aerospace engineering in four years — while serving in AFROTC Detachment 207 and as a member of the swim team, which he captained as a junior.

"Discipline is a big part of it," Cox says, "particularly for a student athlete. I have always tried to put forth all my effort in everything [I do]. It would be 20 hours a week for workouts, and if we had a meet, it would be more like 30 hours. On top of that, I had classes and ROTC."

The Cadet of the Year Award goes to the most outstanding cadet from the Air Force commissioning program, which includes Officer Training School, the Air Force Academy and Air Force ROTC, and numbers some 17,000 cadets. Criteria include military performance, academics

and fitness. Cox's 98.7 fitness score and his 3.93 GPA also earned him Detachment 207 Distinguished Graduate honors.

His success as a cadet led to his acceptance to flight training school. "It was a once-in-a-lifetime opportunity," Cox says, "and I figured I would regret it if I did not do it." He also figures the training will likely open doors for him.

"This is a path that opens up a lot of opportunities — though I am not entirely sure what I want to do. Working to be a test pilot and then a career as an astronaut is a possibility. And if you want to really rise in the ranks in Air Force leadership, this is also a good path for that. Being an operational fighter pilot for your whole career is an option too," Cox says. "I already have a 10-year commitment once I graduate flight school, so for the foreseeable future, the Air Force is my employer."

A career with the Air Force is fine with Cox. He's always wanted to be a military man.

"My dad has always had a huge interest in the military and in military history. On family vacations, we visited different Civil War battlefields," Cox says. "My dad has a huge collection of military history books, and by second grade I was reading about the [WWII] Battle of Midway. That struck a chord with me, and a strong interest in the military grew from that."

That interest led to a full-tuition ROTC scholarship. Cox wanted to be able to swim as a college athlete and had narrowed his school choices to Washington University and MIT. The ability to earn both his bachelor's and master's in four years (facilitated by Cox's completing all his college math in high school through a University of Minnesota program) and a room-and-board offer sealed the deal for Washington University. It's a decision he has not regretted.

"At WashU what I thought was so special — and believe more and more as I talk to other students and my siblings — is that people are so willing to go out of their way to work with you as a student. Faculty and staff are really there for you, and they want to make sure that you succeed," Cox says. "That was a huge component of why I was able to have so much success."

At the university, Cox also qualified for the Tau Beta Pi Engineering Honor Society, the Pi Tau Sigma Mechanical Engineering Honorary and the Sigma Xi Scientific Research Society, and he earned the Erwin C. Hoelscher Memorial Outstanding Senior Award from the Department of Mechanical Engineering & Materials Science.

— Rick Skwiot

Binyamin (Bini) Zomer, LW 99, was named country manager for Israel at Noble Energy. Previously, Zomer was deputy director of policy and government affairs for a Washington-based Israel lobbying organization.

00s

Mandee Polonsky, LA 00, was named to Oy! Chicago's third annual "Double Chai in the Chi: 36 Under 36" list of young Jewish movers and shakers in Chicago. Polonsky works to improve Chicago's education as the director of community investment-education at United Way of Metropolitan Chicago.

Kurt Summers, BU 00, was named treasurer of Chicago in November 2014 by Mayor Rahm Emanuel, charged with tackling financial issues including the city's \$20 billion pension crisis. He had been a senior vice president at Grosvenor Capital Management. He also serves on Washington University's Gephardt Institute for Public Service national council.

Stephanie (Baker) White, LA 00, PT 02, and her husband, Wayne, welcomed their daughter, Ariana Elise, in June 2014. Stephanie completed her PhD in health behavior in May 2013, and the family resides in Durham, N.C.

John Brandon, GR 01, has penned *Further Joy* (McSweeney's, 2014), a collection of short stories whose characters include gamblers and psychics, wanderers and priests, all on the verge of finding out what they can get away with and what they can't.

Rebekah A. (Bishop) Eisenbarth, BU 01, was named vice president at H-P Products, Inc. She will be responsible for all tubing-related manufacturing operations and the on-time delivery of products.

Lindsey (Anhalt) Kirkeby, LA 01, and her husband, Kevin, welcomed their fourth child, a daughter,

Annika Jo, in May 2014. She joins two sisters, Kaia and Siri, and a brother, Kellen. The family resides in Rochester, Minn., where Lindsey continues to work at Mayo Clinic.

Nicole Lovenduski, LA 01, her husband and their daughter, Jade, welcomed their second daughter and sister, Neve, on Sept. 16, 2014.

Amy (Nelson) Lovett, BU 01, and her husband, Patrick, are proud to announce the birth of a daughter, Catherine "Kate" Nelson Lovett, on May 21, 2014, in Chicago.

Daniel Ian Pascucci, LA 01, a physician at Mercy Hospital in Oklahoma City, was named to *Oklahoma Magazine's* Top 40 Under 40. Pascucci graduated an internal medicine residency after serving as chief resident at the University of Oklahoma College of Medicine. He also served as a flight surgeon on deployments to the Middle East.

Beth Richardson, LW 01, has joined Sowell Gray Stepp & Laffitte as an of counsel attorney. Previously, Richardson served as law clerk to Judge William B. Traxler Jr. of the United States Court of Appeals for the Fourth Circuit.

Jennifer Tyus, LA 01, LW 04, married Brandon Haynes on Aug. 31, 2014, in Graham Chapel. Bridesmaids included April Tyus, LA 95; Tesh (Hughes) Jewell, LA 01, HA 03; Anaxet Jones, LA 01; and E. Marya Kelly, LW 05. Jennifer is a senior attorney at the Federal Reserve Bank of St. Louis and an adjunct professor at the Washington University School of Law.

Stacy Yeung, LA 01, LW 04, an associate in the New York City office of Smith, Gambrell & Russell LLP, was named to Lawyers of Color's 2014 Hot List. The list recognizes junior and mid-level attorneys who have achieved distinction in their fields and demonstrated a commitment to advancing diversity in the legal profession.

Ryan Elizabeth (Campbell) Anson, EN 02, and her husband,

Stephen, welcomed a daughter, Cora Bradlee, in May 2014. Cora joins big brother Eliot. The family relocated from Boston to Dallas, where Ryan works for TIBCO Software.

Ron Herd II, FA 02, who also goes by R2C2H2 The Artist, created an art print to honor the memory and contribution of St. Louis lawyer and activist Homer G. Phillips: *New Testament: The Crucifixion & Resurrection of Homer G. Phillips*. For more information, visit <http://youtube/uZ27ujUcDI>.

Christopher Kurpiewski, LA 02, earned a PhD in history from Princeton University, where he teaches freshman writing.

Ruth Reese, GF 02, was an artist-in-residence at Craft Alliance School of Art and Design. Her work can be viewed online at ruthannreese.com. She is also the founder of Reese Gallery in Wisconsin.

Katherine Ivy Steinberg, LA 02, and **Kristyn Alisa Pomranz**, UC 07, teamed up to write and produce *The Internet!: A Complete History (Abridged)*, which was selected for production by the New York International Fringe Festival. They also wrote and produced a musical comedy, *I Can Has Cheezburger: The Music LOL*, which was produced by the Fringe Festival in 2009.

Anirudh Vallabhaneni, EN 02, BU 02, earned the 2014 Grinnell Prize, a \$100,000 award honoring young innovators in social justice. Vallabhaneni co-founded Sanergy, which builds Fresh Life Toilets that improve sanitation and public health in Nairobi, Kenya. Sanergy also creates jobs and converts waste into valuable byproducts such as organic fertilizer.

Luke De, LA 03, was honored by Princeton University at its commencement ceremony for being an exceptional New Jersey secondary school teacher. De was one of four teachers selected for the award

from 80 nominees from public and private schools in the state. De teaches at The Pingry School, in Basking Ridge.

Margaret Goodin, GA 03, is a project architect for interior design with the St. Louis office of HOK, serving on multiple projects for Humana Inc. around the country.

Jennifer Griffes, LA 03, GR 06, married Eli Shechet in Los Angeles on March 30, 2014.

Samir Luther, BU 03, was named a Point Foundation Scholar for 2014. The foundation awards undergraduate and graduate scholarships to allow deserving LGBT students to continue their education and give back to their communities. Luther is working toward a master's degree in business at the MIT Sloan School of Management.

Scott Szorcik, LW 03, and his wife, Rebecca, welcomed their second child, Eden Miriam.

Seth Cardeli, LA 04, an attorney in the Baltimore office of Janet, Jenner & Suggs LLC, was recognized in 2014 by National Trial Lawyers as a "Top 40 Under 40" attorney among Maryland's trial lawyers.

Walker Deibel, GB 04, is vice president of business development at ViewPoint in St. Louis. He is also a film producer whose credits include *Print the Legend*, a South By Southwest Film Award winner and Netflix original documentary that he co-produced.

Robert E. Guinness, LA 04, a researcher at the Finnish Geodetic Institute, published his first book, *Geospatial Computing in Mobile Devices* (Artech House). He and his wife, Anne-Mari, have two sons, Pyry Edward and Kilian Pekka. They reside in Kirkkonummi, Finland.

Rebecca (Robinson) Hodge, EN 04, and her husband, Rob, welcomed their first child, Robert William Hodge III ("Trevor"), born June 21, 2014. The family resides in Alexandria, Va. Rebecca works for

a defense contractor, and Rob works as a supervisory patent trainer.

Federico Spagnoli Jaramillo, GB 04, moved with his family from Miami to London, where he continues to work for AIG. Jaramillo looks forward to traveling around Europe and the Middle East and hopes to reunite with Olin Business School friends.

Lisa (Bauman) Kruse, EN 04, MD 09, and **Brian Kruse**, EN 03, GB 12, welcomed their son, Ashton, in November 2013. Lisa completed an orthopedics residency at Barnes-Jewish Hospital/Washington University in St. Louis, and Brian works in information security at MasterCard.

Joshua Langert, LA 04, and his wife, Leah, are happy to announce the birth of their first child, Eli Judah, on April 9, 2014. He says, "Washington University application to follow in fall 2031."

Jonah Sandler, BU 04, is the author of *Before the Doors Opened: How One Entrepreneur Captured the Hearts of a Community and the Attention of Facebook* (Scene75 Entertainment, 2014). The book traces his journey in creating Scene75, one of the largest indoor entertainment centers in the United States. Sandler is also proud to have been selected by Facebook from more than 15 million small business owners to speak at one of its global sales meetings.

Sandy Schenck, GB 04, is director of sales for the central region at Omada Health. The digital therapeutics company works with employers and health plans to create online health programs to tackle employees' chronic diseases and improve their health.

Adrian Baudy IV, LA 05, was appointed assistant clerkship director and clinical instructor of nephrology at Tulane University School of Medicine.

Danielle Christmas, LA 05, earned her doctorate in English



Joe Angeles

Elizabeth Gentry Sayad is chairman emeritus of Les Amis, which sponsored, along with Yale and Washington universities, a symposium on the founding of St. Louis in February 2014.

A Champion of French Colonial History

For Elizabeth Gentry Sayad, AB '55, MA '03, the history of St. Louis and the region is very much alive, it is personal — and it is French.

Like the founders of St. Louis in 1764 — Pierre Laclède and Auguste Chouteau — the Gentrys are French, if distantly. (Their Norman French surname centuries ago was "Gentil," eventually Anglicized to "Gentry.") Sayad's roots in the area run deep. The first of her ancestors to arrive came in 1796 from Virginia. Then in 1815, her great-great-great-great uncle, Justus Post, arrived from Vermont and founded Chesterfield.

St. Louis was only one of a number of communities that dot the eastern and western shores of the Mississippi River that were founded by French missionaries, trappers, businessmen and adventurers. A settlement older than St. Louis, Sayad notes, is Cahokia, Illinois, founded by French missionaries from Quebec in 1699 — the same year as the founding of Williamsburg, Virginia, which is far better known.

Wanting to educate others about the St. Louis region's French colonial heritage, Sayad founded the nonprofit group Les Amis (The Friends) in 1994.

Les Amis materialized from the great flood of 1993, which damaged some early French structures, particularly in Ste. Geneviève, Missouri. The French consul general in Chicago formed the French Heritage Relief Committee to "show a little

solidarity" with the region and asked Sayad to co-chair the committee for Missouri.

He enlisted assistance from Princesse Marie-Sol de La Tour d'Auvergne, then president of the French Heritage Society (with 13 U.S. chapters and one in Paris). Together with Sayad, they held three fundraising galas: in Paris, Washington, D.C., and St. Louis. With the funds, "We bought the most threatened property, the Bauvais-Amoureux House in Ste. Geneviève," Sayad says. The 1792 house was built in the poteaux-en-terre style with vertical logs inserted directly into the ground.

"Ste. Geneviève has more poteaux-en-terre houses than anywhere else in the United States," she says. "If you want to see what old St. Louis looked like, visit Ste. Geneviève."

Sayad was then tasked with giving the property to the Missouri Department of Natural Resources, but the department refused unless another agency provided ongoing support for its maintenance. So she formed Les Amis with "the first focus on the Amoureux House."

Les Amis then broadened its focus to the entire French Creole Corridor of the mid-Mississippi River Valley, stretching from St. Louis and Cahokia on the north to Ste. Geneviève and Kaskaskia, Illinois, on the south. The river itself was a uniting, not a dividing, influence for the French settlers who came and, together with Indians and Africans, formed the French Creole culture of the river valley.

To introduce visitors to the region's French roots, Les Amis developed self-guided tours of the Creole Corridor. The organization, which has 200 members, stimulated the filing of an application for the Creole Corridor to become a UNESCO World Heritage Site. The application is in the "for further consideration" category, and Sayad is pleased with having gotten to this phase.

Sayad credits her father with her love of history and Washington University with giving her a "start in French" with Madame Schreiber. In 2012, Sayad was knighted a Chevalier de L'Ordre des Palmes Académiques by the French government for her many contributions to French culture and education.

When asked what she most wants people to know about St. Louis' heritage, she says, "We have a unique culture that distinguishes St. Louis from any other Upland South or other Midwestern city. We're not like Indianapolis or Minneapolis or Omaha. We have a very distinct (French) personality." 🇫🇷 — Mary Ellen Benson

literature. She is a postdoctoral research fellow at the University of North Carolina at Chapel Hill.

James W. Hofman II, GR 05, LW 05, has been named chief legal officer at Docomo Pacific, Inc., a subsidiary of NTT Docomo Japan, based in Guam and the Commonwealth of Northern Mariana Islands.

Andrea Jordan, AR 05, joined Tarlton Corporation, St. Louis, as assistant project engineer for the firm's concrete group. Previously, Jordan was a project engineer with Kwame Building Group and worked on construction of student housing and an elementary school.

Maggie (Grabow) Koszewski, LA 05, earned a doctorate in environmental science from the University of Wisconsin-Madison in 2013 and is currently a post-doctoral research fellow at the university's Global Health Institute. She and her husband, Ian, have been married for almost four years.

Jeffrey Tyner, GM 05, assistant professor of cell, developmental and cancer biology at Oregon Health & Science University and a researcher at the university's Knight Cancer Institute, won a distinguished award from the American Association for the Advancement of Science for the development of a research program that more rapidly identifies the mutations driving a patient's cancer and accelerates the development of precision treatments.

Trisha Wallis, SW 05, was appointed clinical director for mental health for The Correctional Treatment Center at Mule Creek State Prison in Lone, Calif.

Enelia (Valbuena) Faithful, FA 06, and her husband, George, welcomed their first child, Penelope Winter Valbuena Faithful, on Jan. 6, 2014. The family resides in the New York City metro area, where Enelia has started a graphic design and marketing studio, Abacus Finch.

Beth Ashley Rubenstein, LA 06, an attorney with Farrell Fritz, Long Island, N.Y., was named to the 2014 New York Metro Rising Star list in the estate and trust litigation practice area.

Curtis Wilgosh, GB 06, is an independent business adviser, applying Oracle Value Chain Planning to help clients respond quickly to increased demand volatility and unexpected supply chain events.

Tassy Nicole Hayden, LA 07, MD 11, and Bill Michalski, former graphic designer for Washington University, had a summer 2014 wedding at Tower Grove Park in St. Louis. Hayden completed her residency in June 2014 and has started a family medicine practice in Hillsboro, Mo. The couple reside in St. Louis.

Nikki (LaBruyere) Mamuric, GB 07, joined L'Oréal as director of marketing in early 2014. Mamuric leads skin-care innovation and new product development for L'Oréal Paris, the company's flagship brand. She was named to Brand Innovators' "40 Under 40 East" Class of 2014 for her game-changing marketing and innovation.

Kristyn Alisa Pomranz, UC 07, and **Katherine Ivo Steinberg**, LA 02, wrote and produced *The Internet!: A Complete History (Abridged)*, featured at the New York International Fringe Festival in 2014. They also wrote and produced a musical comedy, *I Can Has Cheezburger – the Music LOL*, also produced by FringeNYC in 2009.

Roger Rowe, EN 07, is pursuing a doctoral degree in mechanical engineering at Washington University while doing research on the tissue and cell mechanics of the heart.

Jonathan Sarason, LA 07, has been named to *Oy! Chicago's* third annual "Double Chai in the Chi: 36 Under 36" list of young Jewish movers and shakers in Chicago. Sarason is the senior director, Midwest region for NEXT: A Division of Birthright Israel

Foundation, providing community and network-building consulting, training and facilitation.

Eric Cesal, GB 08, GA 08, SI 09, is the executive director of Architecture for Humanity (AFH). A longtime volunteer, Cesal joined AFH full time in 2010 to start the Haiti Rebuilding Center in Port-au-Prince, and in 2012, he assumed leadership of AFH's global post-disaster rebuilding efforts. AFH supports reconstruction efforts in the earthquake- and tsunami-ravaged areas of Japan.

Cal Halvorsen, SW 08, stepped down as director of research and evaluation at Encore.org to pursue a doctorate in social work at the Brown School.

Lauren (Bernstein) Klein, LA 08, SW 10, married John Edward Klein in May 2014. A student in the program on gender-based violence at the University of Colorado Denver School of Public Affairs, she also is teaching, consulting and providing technical assistance nationwide.

Claire Thomas-Morgan, FA 08, launched Vivi, a clothing line featuring toddler dresses in a mix of patterns and bright colors. Garments are designed and produced in St. Louis. Thomas-Morgan also has been on the adjunct faculty of the Sam Fox School of Design & Visual Arts since 2009. Visit www.vivavivi.com.

Yamini Virkud, GM 08, MD 08, HS 11, and her husband, **Brian Miller**, GM 11, MD 11, moved to Boston. Miller started a fellowship at the Dana Farber Cancer Institute, and Virkud started at a junior faculty position in allergy/immunology at Massachusetts General Hospital.

Ian Weaver, GF 08, a visual artist and instructor at the School of the Art Institute of Chicago, was a guest lecturer at the University of Notre Dame Department of Art, Art History & Design in October 2014. He also had his "The Black Knight Archive, Chapter I: Migration" on display at the Indianapolis Museum

of Contemporary Art in fall 2014. The work tells the history of black residents living in Chicago's Black Bottom neighborhood, a once-vibrant and diverse part of the city that was razed to make way for urban progress.

Catherine (Karayan) Wilbur, LA 08, joined the Montecito, Calif., law firm Ambrecht & Associates as an associate. Wilbur specializes in complex tax and estate planning. Before joining Ambrecht & Associates, she clerked for Judge Kathleen Kerrigan at the U.S. Tax Court in Washington, D.C.

Chi-Hao Chen, GL 09, LW 11, is chief compliance officer at Capital Futures Corp. in Taipei, Taiwan, and an adjunct assistant professor at Soochow University, where he teaches U.S. law, torts and legal writing. By invitation, Chen was a visiting scholar in East Asian legal studies at Harvard Law School from May to August 2014.

Russell Cummings, GB 09, and his wife, Kimberly, will celebrate the first birthday of their son, Parker, in October.

Danielle P. DuRousseau, LA 09, LW 12, has joined the St. Louis law firm Greensfelder, Hemker & Gale, PC, where she practices corporate law. Previously, she was an attorney at Armstrong Teasdale.

Brandon Harper, LA 09, is a law clerk for Judge Raymond A. Jackson in the U.S. District Court for the Eastern District of Virginia. Beginning in fall 2016, Harper will clerk for Judge Karen Nelson Moore of the United States Court of Appeals for the Sixth Circuit. A graduate of the University of Pennsylvania Law School, Harper earned the James J. Manderino Award for Trial Advocacy, was editor-in-chief of the *University of Pennsylvania Journal of Constitutional Law* and was named Best Oralist in the Edward R. Keedy Cup.

Zoe Hillenmeyer, FA 09, GB 13, moved to Seattle and is working for

IBM as a senior consultant in strategy and interactive experience.

Stephen Howell, EMBA 09, joined Manifest Digital as group account director, overseeing growth of the firm's health-care, financial and scientific relationships. Howell is a member of the Eliot Society and an advocate for Olin's EMBA program.

Jonathan Ken, LA 09, entered an emergency medicine residency at University Hospital in Columbia, Missouri, in July 2014 following his graduation from Southern Illinois University School of Medicine.

Rohit Narang, GB 09, and his wife, **Shikha Gupta**, GB 08, are enjoying life after school with their two children, Aarav and Krish. They would like to thank their professors and the Washington University community for a transformational experience and continued support.

Minjia Qu, GA 09, GA 09, received her architect license in California, got LEED AP BD+C certified and was promoted to senior designer at RTKL Associates, Inc. Qu is their project architect and project manager for mix-use and commercial buildings.

Joshua Stanton, GR 09, joined The Integer Group — one of the world's largest promotional, retail and shopper marketing agencies — as a recruiting coordinator.

Lindsay (Steirer) Taylor, GM 09, is among the first 50 Woodrow Wilson New Jersey Teaching Fellows, announced in summer 2014 by the governor. As a fellow, she received a stipend to complete a cutting-edge master's degree program based on a yearlong classroom experience. In exchange, she committed to teach for three years in a high-need secondary school in New Jersey.

10s

Grant Barbosa, LA 10, has been named a PepsiCo Foundation Health Graduate Fellow at the

Congressional Hispanic Caucus Institute. Barbosa's interests are to improve the health outcomes of Latinos, other minorities and the overall population. Barbosa was an Annika Rodriguez and John B. Ervin Scholar while at the university.

Gwen Z. Gou, LA 10, has joined the firm Bousquet Holstein PLLC as an associate attorney in the business transactions and taxation practice groups.

Lindsey C. Latterman, LA 10, is in a residency program in obstetrics and gynecology at Albert Einstein Healthcare Network in Philadelphia following her graduation from the Medical College of Wisconsin. She is interested in a career in public health and reproductive justice.

David Logan, GB 10, moved back to St. Louis and founded a consulting firm, Logan & Logan, with his wife, Jennifer. He previously was a senior researcher at the Brookings Institution and chief economist to the U.S. House of Representatives Ways and Means Committee.

Jasmine Yasar McCormick, LA 10, LW 13, is an attorney in the litigation practice group at Greensfelder, Hemker & Gale, PC. McCormick is also the chair-elect of the young lawyers division of the Mound City Bar Association.

Jennifer Sisto, EN 10, is in the master of public health program at UC Berkeley, concentrating in health policy and management. She previously was a consultant in health and human services at Accenture.

Robert Tennill, LA 10, entered an emergency medicine residency at the University of Kansas School of Medicine in July 2014 following his graduation from Southern Illinois University School of Medicine.

Jenna Winer, LA 10, is completing a one-year internship at Animal Specialty & Emergency Center, Los Angeles, after earning a doctor of veterinary medicine degree from the University of California, Davis. She was awarded the School of

Veterinary Medicine Medal for academic achievement and, for ranking first in her class, was elected president of Phi Zeta, the national honor society of veterinary medicine.

Erin Zerhusen, LA 10, was awarded the 2014 Roger K. Summit Scholarship by ProQuest, a global information-content and technology company. The scholarship is awarded annually to a graduate student enrolled in an accredited library or information-sciences program. Zerhusen is pursuing a master's degree in library and information science at the University of Maryland.

Joshua Joseph Gotlieb, BU 11, joined the corporate and tax group of Sirote & Permutt in the firm's Birmingham, Ala., office.

Kaytlin E. Kopen, LA 11, LW 14, joined the Husch Blackwell firm in the labor and employment group.

Abigail L. Leddy, PT 11, GM 11, received the American Physical Therapy Association's Chattanooga Research Award for her co-authored article on predicting falls in patients with Parkinson's disease. The article appeared in the April 2013 issue of *Physical Therapy*.

Jera L. Oliver, LW 11, GL 13, is the first international and graduate affairs fellow at The Ohio State University Moritz College of Law.

Griffin Rodgers, MD 11, is director of the National Institute of Diabetes and Digestive and Kidney Diseases. He and his team have developed a modified blood stem-cell transplant regimen that is highly effective in reversing sickle-cell disease in adults. Sickle-cell disease affects more than 90,000 Americans.

Kassandra I. Alcaraz, SW 12, director of health disparities research at the American Cancer Society's Behavioral Research Center, is conducting original research to inform the development of effective behavioral interventions to lower the incidence of cancer. Alcaraz was recognized for her quality, innovative research activities by

the U.S. Centers for Disease Control and Prevention, among others.

Ian Cook, GA 12, is an architect at Hellmuth & Bicknese Architects in Maplewood, Mo.

Ryan Duncan, PT 12, an instructor in physical therapy and neurology at Washington University's School of Medicine, received the American Physical Therapy Association's Chattanooga Research Award. Duncan and his co-authors won the award for their article on predicting falls in patients with Parkinson's disease, which appeared in the April 2013 issue of *Physical Therapy*.

Robyn Husa, LA 12, is pursuing a doctoral degree in experimental psychology with a concentration in cognitive neuroscience at Saint Louis University.

Promita Majumdar, SW 12, works with immigrants at Kiran Inc., a multicultural, nonreligious organization that promotes the self-reliance and empowerment of South Asian women and men who are in domestic violence situations in North Carolina.

Erika Rae (Antisdale) Stewart, LA 12, and **Charles Stewart**, BU 09, were married on May 25, 2014, in Riverside, Calif.

Matthew Schwab, LA 12, is a second-year student at Loyola University Chicago Stritch School of Medicine.

Adam Tsao, LA 12, wrote *Connective Innovation: See the World Differently* (CreateSpace, 2014), in which he combines entrepreneurship, business, philosophy and psychology to advise how to leverage connective thinking to evaluate and solve problems.

Andrea Alper, LA 13, is in her first year of law school.

Sara Baldocchi, LA 13, OT 13, moved to Boulder, Colo., and is working as an occupational therapist in a Brighton, Colo., school district. She previously worked with a suburban Chicago school district.

Valentina Bumbu, GR 13, was awarded a five-year teaching fellowship from the Knowles Science Teaching Foundation. She was selected from a pool of more than 180 applicants who showed exceptional talent as early-career STEM teachers. Bumbu teaches at Soldan International Studies High School in St. Louis.

Melanie Patcoff, GM 13, launched *Hearing Our Way*, the only magazine for children and teens with hearing loss and cochlear implants. Designed to improve the listening, language and self-confidence skills of its young readers, the publication includes inspiring stories from role models with hearing loss, tips and advice, and lessons in self-advocacy.

Kathleen Schue, EMBA 13, is director of development and marketing with United Cerebral Palsy Heartland in St. Louis.

Harrison Smith, GB 13, works in PricewaterhouseCoopers LLP's advanced risk and compliance analytics practice in New York City and has connected with fellow Washington University alums.

Carol Stoll, LA 13, was awarded a five-year teaching fellowship from the Knowles Science Teaching Foundation. She was selected from a pool of more than 180 applicants who showed exceptional talent as early-career STEM teachers. Stoll teaches at People's Preparatory Charter School, in Newark, N.J.

James Ahad, EN 14, is taking a gap year at the National Institutes of Health as a research fellow before applying to medical programs.

Alainna Brown, LA 14, is a neurology research associate at the University of California, San Francisco.

David Dunlay, EN 14, BU 14, joined Citibank Commercial Banking Group in Dallas.

Kendall Gretscht, EN 14, is a member of Dare2Tri, the first group to establish a USA Triathlon-

sanctioned club for people with physical disabilities. Gretscht hopes to participate in the 2016 Paralympic Games in Rio de Janeiro.

Leslie Wheeler, GA 14, joined the St. Louis office of HOK as a design professional with a focus in the aviation industry. Wheeler produces drawings and 3D models for architectural projects.

In Memoriam

1930s

Marjorie (Gillam) McCannon, LW 38; May '14 • **Robert V. Nicholas**, EN 38; June '14 • **Reed M. Simpson**, MD 38; July '14 • **Helen (Deppe) Vollmar**, LA 39; May '14

1940s

Terrell Covington, LA 40, MD 43; April '14 • **Edwin G. Mathae**, EN 40; May '14 • **Alvin M. Sachar**, BU 40; July '14 • **Llewellyn Sale**, MD 40; May '14 • **Richard F. Pier**, BU 41, LW 50; June '14 • **Martin Bergmann**, LA 42, MD 45; April '14 • **George M. Jost**, BU 42; June '14 • **Sidney P. Rollins**, UC 42, GR 50, GR 58; June '14 • **Morton R. Bearman**, BU 43, LW 47; June '14 • **Ruth (Walser) Hardt**, UC 43; June '14 • **Eldo C. Koenig**, EN 43; July '14 • **John R. Zeuschel**, LA 43, GR 47; July '14 • **Bernard J. Mellman**, LA 44, LW 47; June '14 • **Elsie (Bierman) Perel**, LA 44; May '14 • **Mittie (Sloan) Schmidt**, AR 44; June '14 • **Gloria (Grafe) Krimmel**, BU 45; July '14 • **Marjorie (Cuthbert) Marting**, LA 45; April '14 • **Jane (Brown) Foster**, LA 46; July '14 • **Leonard R. Grove**, LA 46; June '14 • **Emly (Steffan) Siegerist**, EN 46; July '14 • **Bernard A. Barken**, LW 47; May '14 • **Geraldine (Saltzman) Berg**, LA 47; June '14 • **Theodore L. Bryan**, MD 47; June '14 • **Raymond I. Harris**, LW 47; July '14

• **Rose (Glaser) Holtzman**, BU 47; June '14 • **Doris (Paar) Maslowski**, SW 47; April '14 • **John A. Moritz**, BU 47; July '14 • **Robert V. Reed**, LA 47, GR 49; July '14 • **William A. Sippy**, LA 47, LW 49; May '14 • **George L. Trigg**, LA 47, GR 50, GR 51; July '14 • **Dorothy (Rosen) Firestone**, BU 48; May '14 • **Albert W. Gruer**, BU 48, GB 54; June '14 • **Edward M. Hourston**, LA 48; April '14 • **Sidney N. Hurwitz**, SW 48, SW 50; June '14 • **David S. Johnson**, MD 48; April '14 • **Robert E. Murray**, EN 48, GR 49; May '14 • **Stanley C. Salzenstein**, BU 48; June '14 • **Joan (Hewitt) Caesar**, LA 49; April '14 • **Alan J. Dixon**, LW 49; July '14 • **Marvin L. Harber**, BU 49; April '14 • **Robert L. Harmon**, BU 49; April '14 • **Milton A. Levin**, BU 49; April '14 • **Margaret (Warner) Lewis**, LA 49, GR 50; April '14 • **Allan H. Ramsey**, BU 49; May '14 • **Albert E. Schaefer**, UC 49; April '14 • **Russell D. Shelden**, MD 49; June '14 • **John Stergos**, UC 49; July '14

1950s

Carl H. Almond, LA 50, MD 53; April '14 • **Elliott A. Haertling**, EN 50; May '14 • **Charles W. Howe**, UC 50; July '14 • **Richard G. Nolan**, EN 50; July '14 • **Lilburn M. Ochs**, GR 50; May '14 • **Richard L. Pearce**, BU 50, GB 59; May '14 • **David A. Rich**, BU 50; April '14 • **Stanley Shapiro**, EN 50; June '14 • **William Simon**, FA 50; May '14 • **Raymond F. Albers**, BU 51; July '14 • **Earl C. Beeks**, GR 51; May '14 • **Edward J. Cosby**, FA 51; April '14 • **Ann (Danahy) James**, BU 51; Sept. '13 • **Rudolf Oppenheim**, LA 51; July '14 • **Peggy (Miller) Reynolds**, BU 51; June '14 • **Charles G. Smith**, UC 51, GR 52; July '14 • **Ralph V. Streiff**, EN 51; May '14 • **Beverley (Fisher) Tober**, LA 51; June '14 • **Jane Wooster**, LA 51; June '14 • **Samuel Halperin**, LA 52, GR 52, GR 56; May '14 • **Donald E. Lenhardt**, BU 52; July '14 • **Peter Mollman**, LA 52; July '14 • **Jane (Able) Tado**, LA 52; May '14 • **Kenneth D. Williamson**, AR 52; April '14 • **Dale H. Besterfield**, EN 53; June '14 • **Veta (Comerford) Fitzgerald**, NU 53; May '14 • **Berl Katz**, LA 53; April '14 • **Roy V. Lof**, GR 53; April '14 • **Mary (Langston) Parker**, MD 53; May '14 • **Robert I. Recht**, BU 53; July '14 • **Edward F. Take**, EN 53; July '14 • **Barbara (Genuit) Port**, LA 54, SW 56; June '14 • **Betty (Sobel) Roth**, LA 54; May '14 • **James H. Burgess**, GR 55; April '14 • **Edwin R. Frahm**, EN 55; June '14 • **Michael Freiman**, MD 55; July '14 • **Patricia (Perret) Hall**, NU 55, GN 58; July '14 • **Herbert E. Hohenstein**, GR 55; June '14 • **R. Eugene Holemon**, LA 55, MD 58; May '14 • **Jack I. Kerman**, AR 55; June '14 • **Russell S. MacMann**, EN 55; June '14 • **Janet (Boldt) Racen**, LA 55; June '14 • **J. Stewart Bakula**, LW 56; June '14 • **Phillip J. Goldstein**, LA 56, HS 62; April '14 • **James H. Hardt**, UC 56; May '14 • **Laurence C. Pfaff**, BU 56; June '14 • **Alfred C. Hughes**, MD 57; May '14 • **Robert E. Allen**, BU 58; July '14 • **John R. Calvert**, MD 58; June '14 • **James E. Chervitz**, BU 58, LW 60; May '14 • **George Eberle**, SW 58, GR 97; May '14 • **James R. Vilmann**, GR 58; June '14 • **Robert B. Winter**, MD 58; June '14 • **Jack F. Allen**, LW 59; July '14 • **A. Kirby Baldwin**, UC 59; April '14 • **Patricia (Teague) Condit**, PT 59; May '14 • **Stanley P. Goldberg**, BU 59; May '14 • **Elaine (Lewin) Kopljar**, LA 59; May '14 • **Vincent J. Kovarik**, EN 59; April '14 • **Oliver O. Leininger**, UC 59; May '14

1960s

Clifford G. Jordan, LA 60; April '14 • **Gustav A. Lindauer**, EN 60, SI 61;

July '14 • **James E. Wobbe**, EN 60; June '14 • **Wilhelmina S. Ashmore**, GR 61; April '14 • **Peter D. Christman**, DE 61; July '14 • **Albert F. Ruehl**, EN 61, SI 64, HS 74; May '14 • **James M. Huggins**, UC 62; April '14 • **Paul J. Hurley**, UC 62; May '14 • **Charles E. Kies**, UC 62; July '14 • **Dorothy (Osborne) Cole**, GR 63; June '14 • **Bill W. Corlew**, SI 63; July '14 • **Jack A. Haynes**, SI 63; June '14 • **James A. McKenna**, SW 63; May '14 • **Val (Usery) Faires**, UC 65, SW 67; June '14 • **Anthony J. Goldschmidt**, FA 65; June '14 • **Allan P. Schikore**, UC 65; May '14 • **Robert F. Buerger**, TI 66, GB 72; April '14 • **John T. Donnell**, GR 66; April '14 • **Linda (Dubinsky) Skrainka**, FA 66; June '14 • **Louis D. Brodsky**, GR 67; June '14 • **Ione (Hightower) Denoon**, NU 67; April '14 • **Robert E. Kohn**, GR 67, GR 69; April '14 • **Roy A. Langston**, UC 67, TI 76; June '14 • **Leon P. Mace**, UC 67; April '14 • **Charles R. Triplett**, TI 67; July '14 • **Karen J. Arnold**, MD 68; April '14 • **Joyce (McKee) Becklean**, GR 68; May '14 • **Ben-Chieh Liu**, GR 68, GR 71; June '14 • **Daniel L. Vornberg**, LA 68, SI 70; June '14 • **Robert S. Porter**, GR 69; April '14 • **Martha (Kuehn) Roos**, BU 69; July '14

1970s

Edward F. Gardner, UC 70; April '14 • **David W. Oesting**, LW 70; May '14 • **Linda (Manne) Walsh**, LA 70; June '14 • **Kenneth C. Halveland**, TI 71; May '14 • **David A. Gibbs**, GR 72; July '14 • **Alvah F. Woods**, UC 72, UC 75; April '14 • **Barry C. Tilson**, FA 74; June '14 • **Ralph H. Westercamp**, TI 74; June '14 • **Nancy J. Barton**, GR 75; April '14 • **Donald J. Jacobsmeyer**, GR 75; June '14 • **Benson Skoff**, GR 75; April '14 • **Edward S. Weltman**, LW 75; April

'14 • **Lawrence W. Van De Riet**, UC 77; June '14 • **Scott C. Herman**, LA 78; May '14 • **Shirley (Bird) Nelson**, GR 78; June '14 • **Elizabeth J. Nettles**, GR 78; April '14

1980s

Deborah Ann Grant, LA 81; Sept. '13 • **Robert C. Haldiman**, LA 82; June '14 • **Eleanor (Morein) Foster**, GR 85; July '14 • **Keith A. McKay**, GB 88; May '14 • **Joanne E. Spiegel**, GB 89; July '14

1990s

Stella (Purce) Revard, GR 92; July '14 • **Eugene B. Shultz**, GR 94; April '14 • **Mary K. Williams**, GR 94; May '14 • **Jodi (Jaworski) Allen**, SW 95; June '14 • **Eric J. Nuetzel**, GR 95; May '14 • **Jean (Schaefer) Hohn**, UC 98; April '14 • **Rebecca (Harper) Acquisto**, OT 99; April '14

2000s

Lisa (Bogan) Smith, GB 00; May '14

2010s

Kathleen F. Kafka, EN 11; July '14 • **Ikechukwu C. Onwuzurike**, LA 18; June '14

In Remembrance

Morton R. Bearman

Morton R. Bearman, BSBA '43, JD '47, who ran many successful statewide political campaigns and became one of the St. Louis area's first environmental attorneys, died of liver failure June 20, 2014. He was 92.

A staunch Democrat, Bearman served as campaign chair to both the late Stuart Symington, a four-term U.S. senator from Missouri, and Symington's son, James, a four-term U.S. congressman.

Bearman also worked for 20 years as an insurance underwriter and estate planner. In 1971, when

the U.S. Environmental Protection Act was enacted, Bearman became one of St. Louis' first environmental attorneys.

A local advocate for public transportation, Bearman was a member of the board of Trailnet Inc., which promotes biking, walking and public transit in St. Louis. Further, between 1956 and 1973, three governors appointed him commissioner of the Bi-State Development Agency (now Metro Transit).

In 1981, Bearman, an expert in real estate law, formed Real Property Associates, a real estate brokerage firm that worked closely with Enterprise Rent-A-Car.

Bearman is survived by his three children (Mary B. Rusk, Morton R. Bearman II and Lee F. Bearman), seven grandchildren and one great-grandchild.

Alan J. Dixon

Alan J. Dixon, bachelor of laws '49, former U.S. senator from Illinois, died from complications of a heart problem July 6, 2014. He was 86.

Dixon is best remembered for his gentlemanly demeanor and accommodating political style that earned him the nickname "Al the Pal."

Elected to the U.S. Senate in 1980 and re-elected in 1986, Dixon served as chief deputy whip, the third-ranking Democrat, during his tenure. He eventually lost his seat to Carol Moseley Braun, the first African-American woman elected to the Senate. Even Moseley Braun lauded Dixon's character for his refusal to go negative during their contentious primary race.

After the loss, Dixon joined Bryan Cave law firm in St. Louis and served as chairman of the Defense Base Closure and Realignment Commission from 1994 to 1995. In 2013, he published his autobiography, *The Gentleman From Illinois: Stories From Forty Years of Public Service*.

Dixon is survived by his wife, Joan "Jody" Dixon, his three

children — Stephanie Yearian, Jeffrey Dixon and Elizabeth Megaw — as well as eight grandchildren and six great-grandchildren.

Samuel Halperin

Samuel Halperin, BS '52, MS '52, PhD '56, a national education policymaker for more than four decades, died May 6, 2014, from pancreatic cancer. He was 83.

After earning his doctoral degree in political science in 1956, Halperin taught at Wayne State University before going to Washington, D.C., on a congressional fellowship from the American Political Science Association.

By 1961, Halperin had become a top congressional liaison on education bills while working at the old U.S. Office of Education. In 1965, President Lyndon B. Johnson signed two bills into law that Halperin had helped create: The Elementary and Secondary Education Act of 1965 provided federal aid to public schools, and the Higher Education Act helped college students gain access to financial aid.

From 1969 to 1981, Halperin led George Washington University's Institute for Educational Leadership, which operated professional development fellowship programs in more than 35 states.

In 1988, Halperin co-authored two influential reports, *The Forgotten Half: Non-College Youth in America* and *The Forgotten Half: Pathway to Success for America's Youth and Young Families*. Halperin was concerned about growing wage disparity and disappearing job opportunities for the large percentage of adults who never earn a college degree.

He later founded the nonprofit American Youth Policy Forum in Washington, D.C., which released a follow-up report that he edited, *The Forgotten Half Revisited: American Youth and Young Families*.

Halperin is survived by his wife, Marlene Epstein Halperin; his two children, Elan Halperin and Deena Barlev; and five grandchildren.

Robert L. Harmon

Robert L. Harmon, BSBA '49, a longtime employee of McDonnell Douglas, died April 20, 2014, at his home in Chesterfield, Missouri. He was 87.

After serving as a lieutenant in the U.S. Merchant Marine during World War II, Harmon matriculated at Washington University and earned a bachelor's degree in business. After graduation, he worked for IBM for 11 years and then joined McDonnell Douglas as an assistant vice president, eventually becoming vice president of civic affairs.

Harmon served on Washington University's Alumni Board of Governors and was a member of the Olin Alumni Association and the Eliot Society membership committee. He received the Distinguished Alumni Award at Founders Day in 1988.

Harmon is survived by his wife, Carolyn Metzger Harmon, AB '52, and five of his six children — Barbara Keogh, Nancy Norath, Celia Homsher, Julia Rizzo and Mindy Wakefield — as well as 16 grandchildren.

Mary Langston Parker

Mary Langston Parker, MD '53, university physician, researcher and former director of student health services, died May 24, 2014, from Alzheimer's disease. She was 89.

When Parker graduated from Washington University School of Medicine in 1953, she was one of only seven women in her class. She would go on to be a pathfinder while conducting endocrinology research with William H. Daughaday, MD, a world-renowned authority on growth hormone and former director of the metabolism division at the medical school. Together, they developed a blood test for the human growth hormone.

In 1971, Parker was named director of student health on the

Danforth Campus and four years later was named director of student health at the medical school.

During the 1980s, Parker took action against the AIDS epidemic, installing condom machines in dormitories, locker rooms and other campus buildings. Parker also helped create the Emergency Support Team, a student-run volunteer group that is still in operation 36 years later.

Parker is survived by her sister, Margaret Langston Badder; four of her five children — Katherine Parker; Charles S. Parker, MD; Christina Parker, MD; and Sandra Parker Bigg — and 15 grandchildren. Her son Keith L. Parker, MD, PhD, died in 2008. Each of her children graduated from Washington University with either an undergraduate degree or a medical degree.

Richard L. Pearce

Richard L. Pearce, BSBA '50, MBA '59, a Class of 2011 Washington University Sports Hall of Fame inductee, died May 13, 2014, after a long battle with Alzheimer's disease. He was 85.

While at the university, Pearce and his twin brother, David, played men's basketball. The 1949–50 season, when the twins were in the starting lineup, was one of the team's best seasons with a record 17 wins and 6 losses.

After graduation, both brothers served two years in the Korean War. In 1955, they co-founded Pearce Corporation, an architectural firm that specialized in health-care, institutional and education clients. In 1984, the firm, in partnership with the Eggers Group, was selected to renovate the existing Washington University Athletic Complex.

Mahlon Rubin

Mahlon Rubin, CPA, BSBA '48, co-founder of RubinBrown accounting firm, died Sept. 4, 2014. He was 89.

According to managing partner John Herber, CPA, even after retiring, Rubin remained engaged in the

firm as retired partner of counsel and came into the office every day as he had for the past 62 years.

After graduating from Washington University with a bachelor's degree in accounting, Rubin, along with Harvey Brown and Sidney Gornstein, formed Rubin, Brown, Gornstein & Co. in 1952. Today, the firm is ranked 43rd in the nation and has more than 450 team members working in offices in Denver, Kansas City and St. Louis.

Among his many awards, in 1996, Rubin received the Gold Medal for Distinguished Service from the American Institute of Certified Public Accountants. In 1990, he was named the Outstanding Businessperson of the Year by the city of Clayton and St. Louis County.

Rubin was active in charitable and community work, and he served as an officer or board member for Barnes-Jewish Hospital Foundation, Jewish Center for the Aged, Jewish Federation of St. Louis, Temple Israel and Jewish War Veterans.

Rubin is survived by his wife, Maurine; sons, Larry, Rich and Ken; and many other loving family members.

Chuck Smith

Chuck Smith, BS '51, former Washington University basketball coach and 1997 Sports Hall of Fame inductee, died July 21, 2014. He was 87.

After serving in the U.S. Navy during World War II, Smith enrolled at Washington University, earning a bachelor's degree in physical education in 1951. He was also a three-year basketball letterman for the Bears.

From 1959 to 1965, Smith coached the men's basketball team and became the fourth-winningest coach in university history, guiding the team to the NCAA College Division Tournament three times. He compiled an overall record of 84–59 before moving on to Central Missouri State University and the University of Missouri–St. Louis.

Smith was inducted into the Missouri Basketball Hall of Fame in 1990 and the UMSL Sports Hall of Fame in 2001.

Smith is survived by his sister, Laura Downey.

W. Thomas Thach

William Thomas Thach Jr., MD, professor emeritus of neurobiology, died from cancer July 1, 2014. He was 77.

Thach became a world-renowned neuroscience researcher and clinical neurologist for his pioneering research on the cerebellum, the part of the brain that controls muscle movement and balance.

After graduating from Princeton University in 1959, Thach studied physiology at the University of Melbourne in Australia. He earned his medical degree from Harvard University School of Medicine in 1964 and completed his residency at Massachusetts General Hospital.

Thach went on to work at the National Institute of Mental Health, NIH and Yale University School of Medicine before joining the faculty at Washington University in the mid-1970s.

While here, Thach was known as a brilliant researcher and excellent mentor. In 1989, Thach, who was also a professor of neurology and physical therapy, was named acting medical director of the Irene Walter Johnson Rehabilitation Institute. He became medical director in 1991. He also served as director of the section on neurorehabilitation in the Department of Neurology. He retired in 2012 and was named professor emeritus.

Thach's brothers also worked at the university: Robert E. Thach, PhD, was dean of the Graduate School of Arts & Sciences and a professor of biology, biochemistry and molecular biophysics; Bradley T. Thach was a professor of pediatrics. Both are now retired.

Thach is survived by his two brothers and sister, Maychai Brown; his three children — Sarah, Will and Scott Thach; three grandchildren; and several nieces and nephews.

My name: *George L. Fonyo*

Favorite WU memory: *Good times on campus
and at the fraternity house*

First job: *Stock boy at a St. Louis hat factory
when I was 13*

Proudest moments: *My grandson's academic and
political accomplishments*

Soundtrack: *Ebb Tide*

Perfect day: *Relaxing with friends on Cape Cod*

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students that also benefits the university and me*

George L. Fonyo, St. Louis, AB '49



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Age	Fixed Rate	Ages	Fixed Rate
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65	4.7%	65 & 65	4.2%
70	5.1%	70 & 70	4.6%
75	5.8%	75 & 75	5.0%
80	6.8%	80 & 80	5.7%
85	7.8%	85 & 85	6.7%
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Ask any Washington University graduate why he or she loves the university, and it is likely that a love of St. Louis will fall somewhere on the list. Whether they visited the city for the first time on their campus tour or grew up nearby, students and alumni recognize St. Louis as a great place to live, launch a career or raise a family. These two alumni couples from very different decades share their stories of coming to Washington University and finding their perfect matches — life partners and an ideal hometown.



Joe Angelle



CAROL AND DAVID GAST

Carol and David Gast met while undergraduates. The couple recently celebrated their 60th wedding anniversary on the university campus.

DAVID GAST, BS '53, AB '53, MS '54, was on his way into a football game at Francis Field on a fall day in 1953 when he noticed the girl in front of him was wearing a skirt that was unzipped. "I debated, should I tell her now and have her be embarrassed," he recalls, "or should I let her go on and find out about it later, after even more people have seen it?" He chose to take her aside and tell her.

It was a good decision because it was how he met his wife. "I didn't go out with him then," explains Carol Gast, then Carol Krauss. "Friends from my sorority and his fraternity set us up later."

The Gasts grew up in St. Louis and chose Washington University partly because they wanted to stay in their hometown. It was known as a "streetcar school" then, serving mostly local students. They remember a smaller campus, freshman orientation at the chancellor's home and many students who were funding their education through the G.I. Bill.

Many of David's memories involve his work with sound systems on campus. David managed sound for the Quad Show, the Bearskin Follies,

Thyrus productions and the Assembly Series, where he remembers speakers such as Eleanor Roosevelt and Linus Pauling. He also designed and installed the sound system in Graham Chapel.

"I loved the technical challenge of it, and I saw myself as an entrepreneur," David says. "In those days, you didn't just go to Best Buy and buy a sound system; you had to build it and assemble it yourself."

Carol, then a sophomore, left school in 1954 to marry David. The couple lived in Texas for two years while David served in the Army before returning to St. Louis, where he joined his father's mechanical equipment sales company. "We wanted to settle down," he says, "and we wanted to settle down here."

The Gasts celebrated their 60th wedding anniversary on the Washington University campus last summer. Longtime members of the William Greenleaf Eliot Society, they have returned often for reunions. When asked why they stay engaged with the university, David replies, "We like to be involved with things that are excellent."



“After I received a brochure in the mail, I came for a weekend visit and fell in love with the university. I liked the size and the location in St. Louis.”

— Joshua Toothman

JOSHUA AND VALERIE TOOTHMAN

Joshua and Valerie Toothman hail from West Virginia and Illinois, respectively, but the couple considers St. Louis home. And they continue to maintain a strong relationship with their alma mater.

WHEN MILTON, WEST VIRGINIA, NATIVE Joshua Toothman, BSME '99, MBA '08, began looking at colleges, he had never heard of Washington University. Valerie Toothman, BSBME '01, BSAS '01, MBA '08, who grew up an hour east of St. Louis in Greenville, Illinois, was familiar with the university but thought she might want to go to school farther from home.

“After I received a brochure in the mail, I came for a weekend visit and fell in love with the university,” Joshua says. “I liked the size and the location in St. Louis.” During her first visit, Valerie says, “The campus felt young and vibrant. I knew I would get an excellent education and be surrounded by quality people.”

Five degrees and more than 15 years later, the Toothmans agree that Washington University and St. Louis have played pivotal roles in their lives. They met in the university's ROTC program, and their first date included a visit to Ted Drewes. “We sat on the back of my Ford Tempo eating ice cream and talking about everything,” Valerie says.

The couple married in 2001, after Joshua earned his bachelor's degree in mechanical engineering and Valerie earned hers in biomedical engineering.

Their first jobs in the civilian sector took them to small companies in Louisville, Kentucky. Joshua worked for a firm that produced warehouse management software, and Valerie designed surgical devices. “It was a great experience,” Joshua says, “but after two years, we were ready to broaden our understanding of business.”

They chose to return to Washington University for the full-time MBA program at Olin Business School. After graduating, they joined global firms with strong roots in St. Louis. Valerie, who specialized in marketing, was recruited by Anheuser-Busch InBev. She currently serves as director of innovation for the company. Joshua, who focused on supply-chain management, oversees demand planning for Monsanto's crop-protection group.

Living in St. Louis allows the Toothmans to maintain a strong relationship with their alma mater. Joshua mentors MBA students. Valerie lectures at Olin, and she has served as chair of the Eliot Society membership committee. “The legacy of WashU is so vibrant in this city,” Valerie says. “It's a good place to be.”

Leading Together SURPASSES LAST CAMPAIGN

TO MEET ITS VISION FOR THE FUTURE, THE UNIVERSITY AIMS TO RAISE A MINIMUM OF \$2.2 BILLION BY JUNE 30, 2018.

FROM THE CAMPAIGN CHAIR



Mark Katzman

Andrew C. Taylor, Trustee
Chair, *Leading Together*
Executive Chairman,
Enterprise Holdings

AS OF JUNE 30, 2015, *Leading Together: The Campaign for Washington University* had secured \$1.95 billion in gifts and commitments toward a minimum goal of \$2.2 billion by June 30, 2018. *Leading Together* earlier surpassed the total of \$1.55 billion raised during the entire previous campaign.

We are very grateful to all the alumni, friends, faculty and staff who have made this milestone possible. Your involvement and dedication already have helped to increase access and affordability for qualified students; advance life-changing research; enhance our world-class faculty; and make impressive strides toward a healthier, more just and more sustainable world.

Much has been accomplished, but we still have much work to do. I would like to thank everyone who has contributed to the campaign so far. Washington University has unparalleled potential to have a lasting impact on America and our global society. Together, we will realize our vision for the future.

INCREASING SUPPORT FOR SCHOLARSHIPS AND FELLOWSHIPS

In June, the campaign surpassed the \$300 million mark toward its minimum goal of \$400 million in new endowed and annual scholarships for graduate and undergraduate students. The ultimate goal is to ensure that no qualified student ever has to turn down a Washington University education for financial reasons.

Washington University has always sought to attract a talented and diverse student body. However, recruiting students from all socioeconomic backgrounds requires a significant investment of resources — and

the university's endowment for scholarships lags behind that of other highly selective universities.

The university is committed to increasing opportunities for students from families with limited financial means. Eager to fulfill their potential and make a difference in the world, these young women and men will lead us into the future. They will shape their careers and serve their communities with the knowledge that a scholarship not only changes lives, it can change the world.



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Joe Angeles

Cutting the ribbon to open Knight Hall are members of the Knight family: (from left) Michael Davidson, Anne Davidson, Joanne Knight, Lester Knight, Jennifer Beckmann and Steve Knight.



James Beard

Members of the Bauer family cut the ribbon to open Bauer Hall: (from left) Carolyn and Courtney Toll, Brad Bauer, Carol and George Bauer, Taylor Toll and Jennifer Bauer Toll.

KNIGHT AND BAUER HALLS DEDICATED


Washington University dedicated Knight and Bauer halls, new buildings for the Olin Business School, May 2–3, 2014. In the years ahead, these new facilities will help propel Olin’s trajectory among the world’s leading business schools.

Knight and Bauer halls, which serve all Olin faculty and students, represent the latest in tech-savvy, versatile spaces for meetings, discussions and learning. The 177,000 square feet of space, designed for environmental sustainability, recently was certified LEED Gold by the U.S. Green Building Council.

The new facilities were made possible through leadership gifts by Charles and Joanne Knight and by George and Carol Bauer, along with the support of more than 200 alumni, friends, faculty and staff. Together, their generosity

represents an investment in the future of business and the students who will lead it.

Charles F. “Chuck” Knight and his wife, Joanne, have benefited people throughout the St. Louis region with their support for education, health care and cancer research. Knight led Emerson for three decades and is a former trustee of Washington University. He chaired the task force that helped chart the future of the Olin Business School, and he is the founding chair of Olin’s National Council.

George Bauer, BS ’53, MS ’59, is an emeritus trustee of Washington University and a member of the Olin National Council. Following a 31-year career with IBM, he founded an investment banking firm, GPB Group Ltd. He and his wife, Carol, are dedicated philanthropists who are personally involved in many humanitarian causes. 



A GREAT CITIZEN

ART HISTORIAN MARK WEIL SETS THE STANDARD
FOR DEDICATION TO THE UNIVERSITY AND THE ARTS.

BY MARY LEE

MARK WEIL grew up on Forsyth Boulevard across the street from Washington University, which served as a playground for him and his siblings. Their grandmother, Etta Steinberg, and parents, Richard and Florence Weil, were deeply involved with the university through their philanthropy and service. They also were avid art collectors who frequently hosted professors, including many scholars of art history and archaeology.

“So many absolutely fascinating people came through our house,” says Weil, AB ’61. “The excitement of an atmosphere like that was palpable to an adolescent.”

Weil went on to become a noted art historian at the university. He served on the faculty for

37 years until his retirement in 2005, and his contributions as a teacher, scholar, administrator and benefactor have left an indelible mark on the university and generations of students.

“Mark Weil is one of the great citizens of Washington University,” says Chancellor Mark S. Wrighton. “He has been an ardent and effective leader of the humanities, and he himself is a highly accomplished art historian. He played a critical role in the development of the Sam Fox School of Design & Visual Arts. His passionate commitment to the university, his community and his profession sets a standard for others to emulate.”

Weil began his college career at Colgate University, where he intended to study political science. When his attention shifted to art history, he transferred to Washington University, which had a reputation for excellence in the field. The Department of Art History and Archaeology at the time was led by prominent archaeologist George Mylonas, a family friend and one of the professors who had captivated the young Weil. “It was a very good place to explore my interests,” he says.

Weil continued his education at Columbia University, where he earned a doctorate in art history with a specialization in Italian Renaissance and Baroque art and architecture. “I led a charmed life as a graduate student, working with people who were pioneers of art history and studying in some of the greatest museums and libraries of the world,” he says. “It set an incredibly high standard of excellence for me.”

In 1968, Weil was recruited by Washington University to serve as assistant professor of art history and archaeology. As a teacher, he had high standards for his students. “One of the greatest pleasures of working at a university is teaching students and watching them grow and become your equal or better than you,” he says. “This is a wonderful process that is full of discipline, but it’s also filled with love.”

Judith Mann, MA ’78, PhD ’86, curator of European Art to 1800 at the Saint Louis Art Museum, says that Weil’s seminar on Caravaggio

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led her to switch her focus to Baroque art. He eventually became her dissertation adviser. “Mark never let you just sit with the conclusion that you’d drawn,” Mann says. “He always challenged you to go further and think more deeply about things.” (For a vignette on Mann, see pg. 34.)

Weil also challenged himself. His academic work is characterized by a broad and thorough approach. He read the works of Italian poets from the 13th to 16th centuries to explain the sculptures and structures of the Sacro Bosco garden in Bomarzo, Italy. He documented the origins of a Roman Catholic liturgical celebration called the Forty Hours Devotion to describe the development of Roman Baroque imagery. “This cultural approach to the history of art stems from something I learned as a graduate student, which is that you must aspire to know everything in order to explain anything,” Weil says.

Weil, who served as chair of the Department of Art History and Archaeology in Arts & Sciences for 10 years, is widely recognized as a champion of interdisciplinary efforts in the humanities at Washington University. In the early '80s, he led the planning of a national Baroque festival, for which he organized a symposium, curated an exhibition of theater and stage design, and helped produce Handel's opera *Orlando*. He also helped found a center of archaeometry, which brought together scholars from across campus to apply scientific approaches to art conservation and the analysis of archaeological material.

Weil relished the opportunity to collaborate with fellow faculty members. “In academia, multiple minds focused on the same problem are more productive than one mind,” he says. “This is the way scientists are taught all over the world. It also is becoming a training process in the humanities.”


In 2011, in celebration of his 50th undergraduate class reunion, Weil made a \$2.525 million commitment to support collaboration in the humanities at Washington University. The gift creates the Mark Steinberg Weil Early Career Fellowship Program in Arts & Sciences. He also

has generously supported the Department of Art History and Archaeology, the Washington University Libraries, the Sam Fox School of Design & Visual Arts and its precursor, the Visual Arts and Design Center.

As director of the center and the Washington University Gallery of Art, which became the Kemper Art Museum, Weil helped create the master plan that linked the museum with the School of Architecture and the School of Art to establish the Sam Fox School of Design & Visual Arts. “The transition was a massive undertaking, and Mark played a pivotal role,” says Carmon Colangelo, dean of the school.

Weil's contributions extend the legacy of the Steinberg-Weil family, three generations of individuals who have had a far-reaching impact on Washington University and St. Louis. That legacy was recognized in 2013, when the family received the “Search” Award, the highest honor presented by the William Greenleaf Eliot Society.

In addition to extraordinary financial support, the family has provided invaluable leadership and guidance. Weil's father, Richard, was a longtime member of the university's Board of Trustees, and his brother John has served on the board since 2003. Brother Richard is a member of the Institute for Public Health National Council, and Weil himself sits on the Arts & Sciences National Council. Family members also have played significant leadership roles with community organizations and institutions, including the Saint Louis Art Museum, where Weil serves as a commissioner.

Beyond his family history, Weil says his support of Washington University stems from his love of the institution that has been, since his youth, his image of what a university should be. “At Washington University, there is a spirit and a desire to teach and do research in such a way that one can explore the fringes of learning and be very innovative. To me, this is something that is really worth reinforcing.” 

Mary Lee is a senior writer in Development Communications.

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— Mark Weil, PhD

Year of the Ram





One highlight of the spring semester is the Lunar New Year Festival (LNYF), an annual showcase of Asian art forms and culture. Taking place in late January, this year's festival celebrated the Year of the Ram. The Watersleeves dance, a traditional Chinese dance known for dancers wearing long, flowing sleeves (shown in photo), was one of some dozen performances. Other highlights included hula dancing; martial arts; and Samulnori, a type of Korean percussion music. Having a philanthropic component, LNYF donated proceeds to Action Against Hunger, which provides food to regions in Chad, Kenya, Sudan and other nations in need. (Photo: James Byard)



James Byard

LOOP LIVING The Lofts of Washington University – an \$80 million mixed-use project, which in December 2014 was awarded LEED Platinum certification – opened in August 2014. Some 400 undergraduates live in the Lofts, which also features United Provisions, a full-service grocery store, and the Peacock Diner. “This incredible project makes The Loop an even more livable, walkable neighborhood,” says Joe Edwards, owner of the Peacock Diner and several other Loop businesses.