

 Washington University in St. Louis

Washington

SUMMER 2017



Weighing Judicial Behavior

Supreme Court expert Lee Epstein examines how the justices vote and why.

Anthropologist Michael Frachetti (not pictured) is leading an archaeological team exploring an ancient medieval city in the mountains of Uzbekistan. Pivotal members of the team are WashU doctoral student Edward Henry (left), MA '14; Taylor Hermes (center), AB '07, a doctoral candidate at Kiel University in Germany; and Farhod Maksudov, Frachetti's Uzbekistani co-principal investigator, pg. 24.



Joe Angeles

COVER: Lee Epstein teaches courses on constitutional law, judicial behavior and the U.S. Supreme Court. A Fellow of the American Academy of Arts and Sciences, she is a co-director of the Center for Empirical Research in the Law and a principal investigator of the U.S. Supreme Court Database project, pg. 10. (Cover photo: James Byard)

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Veterans continue their serving ways as student leaders, supporting each other's personal and educational growth and advancement at the university and beyond.

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Using modern, high-tech analysis tools, anthropologist Michael Frachetti is leading groundbreaking research on an ancient city high in the Uzbekistan mountains. The site may hold clues to how medieval civilizations changed when diverse communities integrated — and even suggest how we might consider our own current initiatives of community-building.

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Tom Malkowicz



After serving in Iraq, James Petersen (left) suffered from PTSD. Now at the Brown School, he is helping student veterans chart a new path forward. Learn about WashU veterans and their support group WUVets, pg. 16.

Courtesy photo

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A new era of academic excellence

“Together, these enhancements will set the course for the next era of academic excellence by fostering interdisciplinary collaboration and supporting faculty and student engagement.”

— Mark S. Wrighton

Mark Katzman



On Friday, May 19, we celebrated our 156th Commencement. Although the weather was stormy just prior, we were able to hold the ceremony as planned in Brookings Quadrangle. Surrounded by thousands of family and friends, more than 3,000 graduates celebrated

completing their degrees. Commencement speaker Anna Quindlen, a best-selling author and Pulitzer Prize-winning journalist and social critic, urged graduates to be audacious, stating that the most terrifying choices she ever made wound up bringing her the most reward. As we say goodbye to the Class of 2017, we urge them, in Quindlen’s words, to “be brave. Take a leap. Do it. Dare it.”

And as we look to our future as an institution, we are taking a leap. Earlier in May, the university broke ground for a multiyear project that will transform the east end of the Danforth Campus. The exciting plan looks to the past for inspiration. At the turn of the 20th century, Washington University embarked on a new era of extraordinary expansion with a move from downtown St. Louis to its current location. Cope & Stewardson’s original plan has guided the university as it has made additions to the hilltop for more than 100 years.

With this history as a firm foundation, Washington University will add three new academic buildings; two multiuse pavilions; an expansion of the Mildred Lane Kemper Art Museum; and an underground parking garage. Further, a beautiful new green space will be built at the base of the iconic Brookings steps, and pedestrian and bicycle pathways will connect all features. The entire east end will offer a welcoming entrance to campus and outdoor spaces to learn, gather and celebrate.

Together, these enhancements will set the course for the next era of academic excellence by fostering interdisciplinary collaboration and supporting faculty and student engagement.

One subject where the university is already collaborating across disciplines is in the area of aging. In January, experts from our School of Medicine, Brown School and Olin Business School gathered in Shanghai for the McDonnell Academy’s “Forum for Greater China: An Aging Population.” The forum brought together our experts with those of our principal Chinese partners to accelerate collaborative research addressing the challenges and opportunities posed by China’s aging population. Look for more in upcoming print issues and online.

In this issue, we feature Professor Lee Epstein, whose specialty is judicial behavior. Epstein analyzes what kinds of cases the Supreme Court takes, how the justices vote and why, and to what extent ideology drives them. Our second feature showcases some of our talented student veterans — ones who continue to serve by helping each other grow and excel. And our third feature highlights anthropologist Michael Frachetti, whose research team is exploring a newly discovered site on the Silk Road corridor high in the mountains of Uzbekistan.

Whether in a far-away land or back home here in St. Louis, all of us affiliated with the university aim to build a place of inclusion. We aspire to be a community where all feel welcomed and respected. I reiterate the sentiment I shared in December 2016 that our university must be a place where we draw strength through our differences, and we must continue to vigorously encourage the open exchange of a variety of ideas and perspectives.

In closing, I hope you enjoy this issue. I invite you to visit the Source, source.wustl.edu, for more news of today’s discoveries and activities.

Thank you for your interest and support.

Sincerely,

Mark S. Wrighton
Mark S. Wrighton
Chancellor

Commencement by the numbers

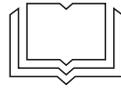
3,245 Total number of degrees conferred at Washington University's 156th Commencement

>80 Number of alumni from the Class of 1967 who attended Commencement to celebrate their 50th reunion

20 Percent of chairs knocked over by an early morning storm that ended just in time for the Quadrangle to be set right and Commencement to happen as scheduled

(Photo: James Byard)

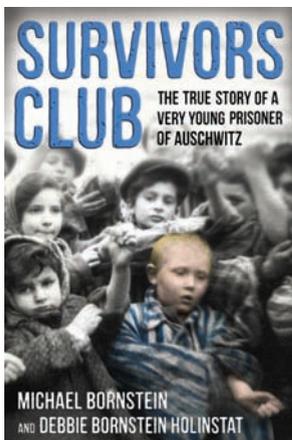




Must-reads

Our latest selection of faculty and alumni books covers a range of topics including West Coast rap, logic puzzles and surviving Auschwitz.

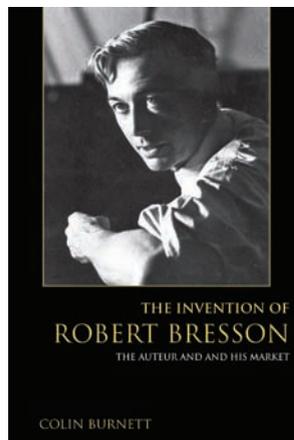
Want to learn something new and fascinating? Read on.



Michael Bornstein and Debbie Bornstein Holinstat

Survivors Club: The True Story of a Very Young Prisoner of Auschwitz

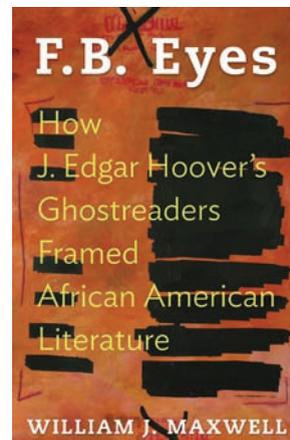
For decades, Michael Bornstein saw footage of himself at 4 years old being carried out of Auschwitz. He never stepped forward to identify himself because he didn't remember much of what happened. When a document in Israel revealed a surprising detail about his survival, he knew he had to share his story. Together with his daughter, Debbie Bornstein Holinstat, AB '96, he shares what happened to him and his family.



Colin Burnett

The Invention of Robert Bresson: The Auteur and His Market

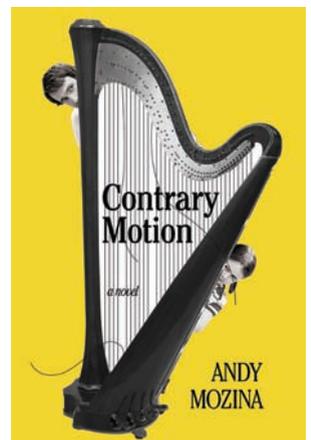
Robert Bresson, Alfred Hitchcock, Orson Welles — in the film world, these directors are called “auteurs,” genius filmmakers who answered to no one but their work. Challenging that idea — at least in Bresson's case — is Colin Burnett, assistant professor of film and media studies, with his new book, *The Invention of Robert Bresson*. Bresson was an elusive filmmaker in France, but the book reveals he was still heavily influenced by the cultural forces of his time.



William J. Maxwell

F.B. Eyes: How J. Edgar Hoover's Ghostreaders Framed African American Literature

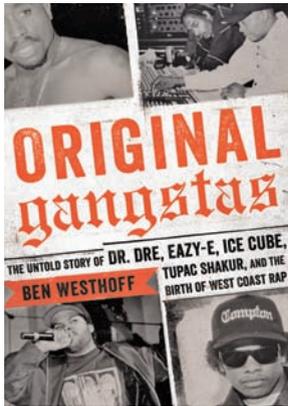
Winner of a 2016 American Book Award, *F.B. Eyes* has been praised as “a bold, provocative study” (*Publisher's Weekly*) of African-American literature. William Maxwell, professor in the English and African and African-American studies departments, draws on 14,000 pages of recently released FBI files to show how the FBI, under J. Edgar Hoover, monitored and shaped public perception of African-American literature from 1919 to 1972.



Andy Mozina

Contrary Motion

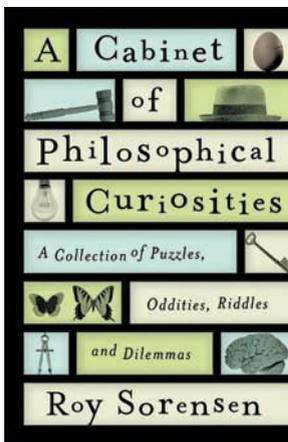
“If you've ever been trapped in a refrigerator only to have the door flung open just before you black out, you have some sense of what Chicago spring feels like,” writes Andy Mozina, MA '94, PhD '98, in the novel *Contrary Motion*. With charm and humor, Mozina relates the story of harpist Matt Grzbc, who has failed a lot in life. But now he has the chance to fulfill a lifelong ambition with an upcoming audition for the St. Louis Symphony. Can Grzbc rise to the occasion, or will his fears of failure pan out?



Ben Westhoff

Original Gangstas: The Untold Story of Dr. Dre, Eazy-E, Ice Cube, Tupac Shakur, and the Birth of West Coast Rap

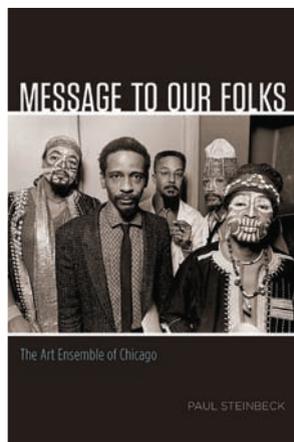
Ben Westhoff, AB '99, former music editor for *L.A. Weekly*, spent five years researching his book *Original Gangstas*. The resulting book is “stunning” and “required reading” according to the *New York Daily News*. Westhoff not only reveals fascinating details about the members of the rap group N.W.A., he also guesses the most logical theory as to who killed Tupac Shakur. Plus, he covers the terrifying rise of Suge Knight, head of Death Row Records, who used violence to keep his recording artists in line.



Roy Sorensen

A Cabinet of Philosophical Curiosities: A Collection of Puzzles, Oddities, Riddles and Dilemmas

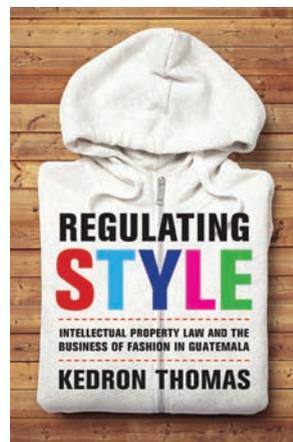
Did you know that Voltaire set himself up for life by exploiting a logical fallacy in the Parisian lottery? Logic also helped bankers sidestep 16th-century usury laws and General Benjamin Butler protect runaway slaves. These stories, along with riddles, puzzles and paradoxes, make up *A Cabinet of Philosophical Curiosities*, by Roy Sorensen, professor of philosophy. The book brings to life many of logic's classic problems and best anecdotes.



Paul Steinbeck

Message to Our Folks: The Art Ensemble of Chicago

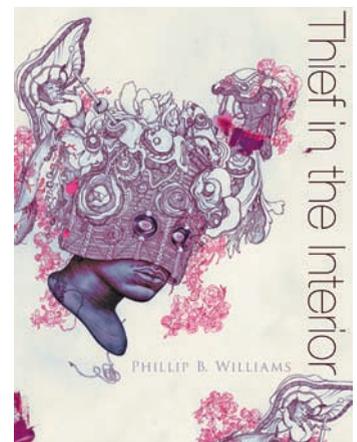
Formed in 1966, the Art Ensemble of Chicago was a groundbreaking act and the flagship group of the Association for the Advancement of Creative Musicians. Members pushed the idea of what jazz was by performing in face paint, reciting poetry, wearing masks and donning traditional African and Asian dress. Now Paul Steinbeck, assistant professor of theory and composition, combines musical analysis and historical inquiry to present an in-depth study of this influential group.



Kedron Thomas

Regulating Style: Intellectual Property Law and the Business of Fashion in Guatemala

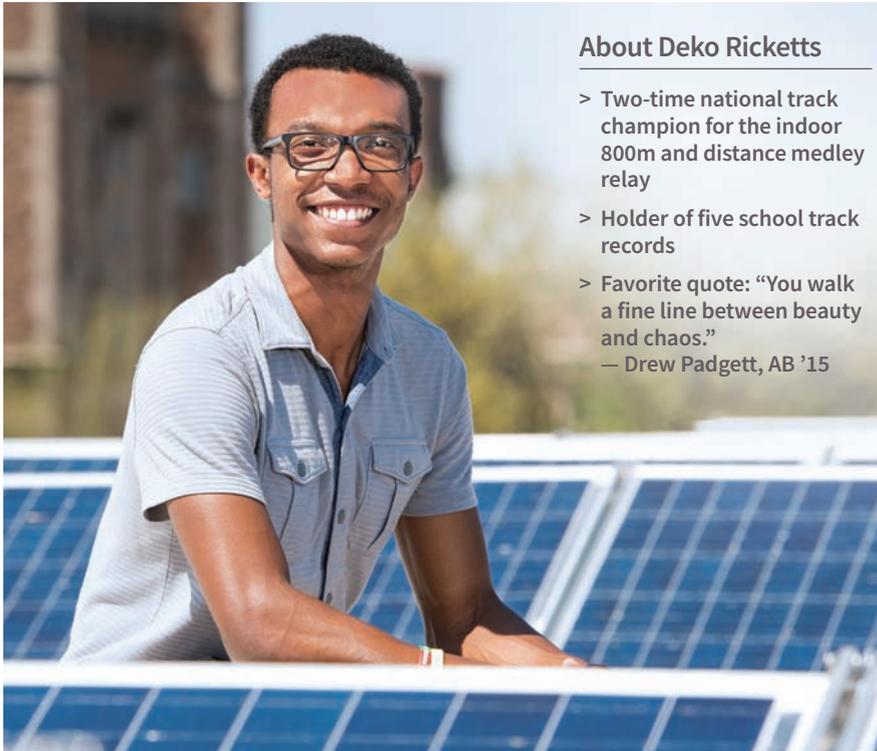
Kedron Thomas, assistant professor of anthropology, takes a new look at the fashion industry by studying the indigenous Maya people of Guatemala, many of whom make fashion knockoffs of name-brand styles. Thomas studies why people want to wear these popular brands (even fakes) and how criminalizing the production of these goods affects lives. She also answers the larger question of how style is regulated and why.



Phillip B. Williams

Thief in the Interior

According to *The Best American Poetry*, Phillip B. Williams, MFA '14, “sings for the vanished, for the haunted, for the tortured, for the lost, for the place on the horizon where the little boat of the human body disappears in a wingdom of unending grace.” His talent recently won him a 2017 Whiting Award, and his first full-length collection of poems, *Thief in the Interior*, has racked up a host of accolades including an NAACP Image Award nomination for outstanding literary work in poetry.



About Deko Ricketts

- > Two-time national track champion for the indoor 800m and distance medley relay
- > Holder of five school track records
- > Favorite quote: “You walk a fine line between beauty and chaos.”
— Drew Padgett, AB '15

How did you become interested in solar energy?

My interest in solar energy started when I was a kid. I told my mom at a pretty young age that I wanted to find some way to change the world, and I always had this engineering mindset. I liked problem-solving. And I stumbled upon this energy crisis in the world where everyone needs electricity [but there are limited resources]. So I started looking at nuclear fusion as an option, but that wasn't quite my interest, and then I found solar. It was this beautiful solution to a pretty bad problem.

What was your path at WashU like?

I think my [most influential] adviser during my time at WashU has been my first research adviser, Professor [Parag] Banerjee [assistant professor of mechanical engineering & materials science]. Specifically, I started my major with him in mechanical engineering, and he walked me through the needs of solar both in research and on the applied side. I worked with him in the Office of Sustainability on different projects, so I've always been connected to him in that way. He was the first person I consulted when deciding between graduate school or going straight into industry with Azimuth.

How has WashU helped your work in the industry?

In the fall of my senior year, for my senior design project, I was charged with making a remote, rapid shutdown system, which is essentially a device where you flip a switch on the ground and it turns the solar panels off on the roof. The reason for this is new safety regulations in the national electric code. Toward the end of the project, my boss, Marc [Lopata, president and principal engineer] at Azimuth [Energy], charged me to see if we could actually put it in the field. We have a project up in Chicago that needs this kind of switching. So he asked me to bolster the design and see about prototyping and installing four of them this summer.

Joe Angiles

Three questions with Deko Ricketts

BY ROSALIND EARLY

Deko Ricketts, BS '17, is a rising star in the solar world. Already a project engineer at Azimuth Energy, Ricketts started leading his first solar-energy project in Kingston, Jamaica, before he even graduated.

This is all thanks to his experience at Washington University. “Coming into WashU, I pretty much knew that I wanted to pursue solar,” Ricketts says. “So I crafted my experience around that.” After settling on an electrical engineering major with a focus on materials science, Ricketts worked in wet labs, built solar-cell architecture and pursued independent research.

His junior year, he joined the university's Office of Sustainability as a renewable-energy associate, and all of his research clicked. “I really got my hands dirty,” Ricketts says, “and learned what it takes to put solar panels up on a roof.” It was through his work with the Office of Sustainability that Ricketts got connected with Azimuth Energy.

In his free time, Ricketts runs record-breaking track events. He holds several school records and is a two-time national champion.



“Perhaps contrary to popular beliefs, our research shows that the Fed’s actions were effective in encouraging banks to lend. This suggests that the credit crunch we witnessed could have been a lot worse.”

—Jennifer Dlugosz, assistant professor at Olin Business School, to *Scienmag*, about the Federal Reserve’s actions during the financial crisis from 2007–09

“We need to build the digital society we want rather than the one handed to us by default.”

—Neil Richards, the Thomas and Karole Green Professor of Law and author of the book *Intellectual Privacy*, in *The Guardian*



“This contagious itch behavior is actually coded into your brain. [It’s] innate and **hardwired instinctual** behavior.”

—Zhoufeng Chen, director of the Center for the Study of Itch at the School of Medicine, speaking to *Smithsonian* magazine after discovering that mice, like humans, scratch when they see another mouse scratching



“We can think of lots of benefits to a larger brain, but brain tissue is incredibly ‘expensive’ and increasing brain size comes at a heavy cost.”

—Kimberley Sukhum, a graduate student in biology in Arts & Sciences, to *The Jerusalem Post*, about how larger brains require a dramatic increase in energy consumption

“To make major gains against cancer, we don’t need new medical discoveries. That type of research is important, but we also must work to put strategies that we know prevent cancer into widespread practice.”

—Graham A. Colditz, deputy director of the Institute for Public Health and the Niess-Gain Professor of Surgery at the School of Medicine, to *Life Science Daily* on how implementing known cancer-preventing measures — quitting smoking, losing weight, increasing exercise and eating more produce — could reduce U.S. cancer rates



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Cross-cultural

1 Exercise patience



“Consciously or unconsciously, a lot of us find it a chore to work with people whose English is not strong. Whether we want to admit it or not, some of us think it is a waste of our time to engage them in conversation. Engaging them calls for intentionality. If we are not thinking about it, then we are more likely to overlook people whose English is not strong. We have to be intentional about hearing from them and aware of our own prejudices. If we truly value other people’s opinions and believe that they have important ideas to offer, then we need to be patient enough to encourage them to participate.”

—**Edem Dzunu**, a native of Ghana, works for WashU’s English Language Program and is founder of Baobab People, a nonprofit that seeks to connect people from different cultures through dialogue and learning.

2 Show an interest



“Most people from other cultures appreciate people who show an interest in their culture. You may not know a lot — or anything — about certain cultures, so let people know up front. I’ve seen people’s faces drop when someone introduces themselves and says something like, ‘I’m from Myanmar.’ [But you can] just say, ‘Oh, I’m not familiar with Myanmar. Can you tell me about it?’ It opens up an avenue of conversation. If something happens, and you see someone reacting negatively to something you said or did, you can say, ‘I’m worried I might have offended you. Did I?’ But be careful. This could go too far. You don’t want someone to always be the spokesperson for their country or culture.”

—**Kathy Steiner-Lang**, MSW ’82, is assistant vice chancellor and director of the Office for International Students and Scholars.

conversation

3 Make friends



“Make friends with a native. That was the first thing I tried to do when I came to the U.S. I was kind of adopted by two American friends, so I got accustomed to everyday life fairly quickly. You really have to accustom yourself to the everyday in a new country: the daily use of the language, how the people behave, how they respond to you. Culture shock really is everything. It’s very subtle, but it’s not something that you can describe or name. It’s just your day in and day out.”

—**Letty Chen**, associate professor of modern Chinese language and literature and head of the Chinese section in East Asian languages and cultures, moved to the United States from Taiwan when she was in her early 20s.

4 Listen to understand



“Listen very deeply. Often, we’re listening and already formulating our response. Also, when we talk to folks from different cultural backgrounds, it’s important to believe their experience. Often, it’s hard to hold back shock or disbelief if someone is telling you an experience that may not be part of your experience. Listening to understand is about being OK with the personal narrative. And don’t be afraid to ask questions, such as ‘Is this what I’m understanding from you? What do you need from me?’ It’s OK for us to have some humility and to say, ‘I’m not familiar with this situation. I don’t know if I’m getting this right, but I’m going to ask you the question. I’m going to listen; I’m going to try to understand.’”

—**Emelyn dela Peña** is associate vice chancellor for student affairs and dean, Center for Diversity and Inclusion (CDI). The CDI provides support for students from traditionally underrepresented or marginalized populations.

Communicating well across different cultures, backgrounds and experiences is an important skill. Here, experts from across campus give tips on how to navigate these sometimes fraught conversations.

5 Find what unites you



“When you’re working in a group of people with diverse values, you have to find what’s called a superordinate identity. Don’t focus on your own little subgroup of people who have the same values. Instead, try to identify some common ground with the entire group. In many cases, that common ground will be the reason people came and joined that group in the first place.”

—**Andrew Knight** is an associate professor of organizational behavior at Olin Business School. One of his areas of research is how to manage and work in teams of people who have different values.

6 Focus on the job at hand

“We studied leaders of community service teams and how the behavior of the leader can either exacerbate conflict or quell conflict in groups where people have different values. We found that if leaders are highly individually considerate, that tends to increase conflict and degrade performance. In contrast, if a leader is more focused on the work of the group and provides more guidance around what the group should be doing, that reduces conflict and leads to better performance. So, let’s say half the people in a group want to take it easy and the other half think that work is life. If the leader were to encourage everybody’s perspective, people would feel emboldened to act on their beliefs. As a result, you’re going to have half the group thinking that their colleagues aren’t working as hard, and that could cause problems. In contrast, if you have a leader who says, ‘We’re going to work eight hours today,’ then it makes it less likely that the individually held values are going to lead to conflict and disruption in the group.”

—**Andrew Knight**



Judging the Supreme Court

The justices of the nation's highest court have a bird's-eye view of the nation's discord. But Lee Epstein trains her binoculars on *them* as they do their work.

BY JEANNETTE COOPERMAN

At 9 on a Sunday morning, Professor Lee Epstein strides into one of the classrooms that rim the law school's courtyard. All three tiers are filled with students, and not one is yawning or slouching. This is day three of Epstein's three-day course on the Roberts court, which she team-teaches with Adam Liptak, who covers the Supreme Court for *The New York Times*.

Epstein, a political scientist who holds the Ethan A.H. Shepley Distinguished University Professorship, doesn't look all that intimidating in her gray tweed jacket and black turtleneck sweater. But she's a lean compression of energy, her gaze intent behind the trademark dark-framed glasses.



In January 2017, Professor Lee Epstein team-taught a three-day course on the Roberts court. Her co-instructor, Adam Liptak (not pictured), covers the Supreme Court for *The New York Times*.

She grins at the students and, without pausing for chitchat, projects data on the classroom screens showing the past 13 presidents' win rates in the Supreme Court. "I was quite stunned when I saw this," Epstein says. "Do you see a pattern in these data?"

After a few seconds, a student's hand goes up: "I see a general decline since Reagan."

"Yes. Look at that drop-off," Epstein responds. "Obama has the worst record [just over 50 percent wins] of any president probably since the Zachary Taylor administration."

"Why?" a student asks.

Epstein laughs. "I was going to ask you," she says. "There's a lot of argument for some ideological or partisan explanation; the Roberts court is fairly conservative. But I don't think ideology is telling the whole story of Obama. Anybody have other thoughts?"

"Maybe executive power is expanding, and it's coming up against constitutional limits," a student offers.

Epstein nods. "There may be some pushback against executive power. That's a possibility," she says. "There's another possibility: Why do we think the Office of the Solicitor General [which represents the president in the Supreme Court] did so well for so many years?"

The tide changed after President Reagan, Epstein says. Before that, the solicitor general's office was tough to beat — especially since opposing counsel were often trying their first Supreme Court case. In recent years, though, lawyers who clerked for the Supreme Court or for the Office of the Solicitor General have gone on to join Supreme Court specialty groups at top law firms — and then have returned to argue against the solicitor general.

"With the emergence of this Supreme Court bar, the other side has gotten really good," Epstein says in summary. "By 2007, less than half of the attorneys are making their first Supreme Court appearance, and many are former Supreme Court clerks who have argued five, 10 times in the court."

A student asks what triggered the shift.

"Good question," Epstein says. "It starts with Rex Lee, one of Reagan's solicitor generals. He somehow got the idea to start a specialized Supreme Court practice in one of the big firms, way back in 1985." Epstein gestures to the screen

projecting her data. "Think about when the solicitor general's success rate starts to drop."

She plays a Reuters video, "The Echo Chamber," describing a study of Supreme Court cases between 2004 and 2013. "A tiny group of lawyers has been emerging as first among equals," the narrator says: Only 66 lawyers — less than 1 percent of all those who filed cases — took part in about 43 percent of the cases. Nearly all of them had clerked for either the solicitor general's office or the Supreme Court itself.

"John Roberts was one of these attorneys," Epstein tells the students. "He argued 39 cases and had an unbelievable success rate.

"These lawyers mostly represent business," she adds, "and because they're so good, business is doing really well in this Supreme Court. Somebody has called it Supreme Court Inc." (Epstein recently collaborated with a law professor and a federal appeals court judge to rank all 35 Supreme Court justices from 1946 to 2011 for their "friendliness to business." Roberts ranked second.) She puts up a chart of decisions that were unanimous in favor of business. "Even the Democrats on the court, who you think are liberal types, are supporting business more than Republicans in any prior year."

EXPLAINING JUDICIAL BEHAVIOR

With all her number-crunching and historical comparisons, you'd expect Lee Epstein to be a nerd, but she's cosmopolitan and fun, with a ready warmth. And she cares about good food and wine, and she'll groan about her independent-minded Welsh terrier's antics. Still, you get the feeling that the laser focus never dims, that she even *dreams* smart.

We meet for lunch at the university's Whittemore House. She orders fast — this is not a woman who fusses or dithers — then steadily answers one question after another, making what is complicated clear. Her specialty is "judicial behavior," meaning she looks at what kinds of cases the Supreme Court takes, how the justices vote and why, to what extent ideology drives them, how loyal they are to the president who appointed them.

"I was surprised we even found a loyalty effect," she admits. In her book *Advice and Consent: The Politics of Judicial Appointments*, Epstein noted that justices tend to reflect the philosophies of the presidents who appointed them, at least for the first decade they're on the court. There's no need to curry favor; the justices have lifelong tenure. "Maybe it's just human nature," she suggests.

Human nature has figured large in her study of the court.

“Conservative judges will uphold conservative laws and invalidate liberal laws, and vice versa. It’s a commitment to ideology, not activism versus restraint.”

—LEE EPSTEIN



"It's pretty universal that the judges' political values come into play in their decisions," Epstein says. "And because they have life tenure, they're more likely to act on their values." In her opinion, "it's probably time to think about term limits for justices, or at the very least a mandatory retirement age." Countries that don't have term limits usually have mandatory retirement; the U.S. has neither. "I'm probably in favor of one 18-year, nonrenewable term," she says. "With no regular turnover, every time a justice retires or dies, the confirmation battles are epic."

A statistical model she made in 2005 showed confirmation hearings as increasingly polarized over ideology. The importance of nominees' qualifications hasn't changed since 1935, her starting point, but ideology began to play a larger role in the 1950s, and the polarization she identified has only intensified over the past decade.

It's even brought its own vocabulary: the phrase "judicial activism," for example, which Epstein finds "pretty meaningless. People think of 'activist

judges' as liberals who strike down or overturn laws. And they tend to characterize conservatives as restrainers. Not so," she says. "Conservative judges will uphold conservative laws and invalidate liberal laws, and vice versa. It's a commitment to *ideology*, not activism versus restraint."

Still, there are always ideological surprises: "Everybody expected [David] Souter to be a moderate conservative, and he turned out to be liberal-leaning. That's the 'No More Souters' cry. And [Clarence] Thomas is much more conservative than people thought he'd be."

The Roberts court "is a complicated court, an odd court in many ways," Epstein says. "It's actually very rare that all the liberals are Democratic appointees and all the conservatives are Republican appointees." With the court split into red and blue blocs, she adds, it's hard for Americans to have confidence in its judicial detachment. "When the public perceives the court as a political rather than a legal body, the public is less likely to support the court."

Media influence has changed too. In the old days, she says that reporters had “subtle ways of rewarding certain decisions. But with the new media scattered all over cyberspace, there’s no dominant force.” Influence is fragmented, hard to isolate or predict.

She pauses, cocks her head. Someone at the table behind her is talking about Israel. “I try to teach there every year,” she says, “and there are interesting contrasts. I met with six or seven of the Israeli justices last year. They’re a little bit more relaxed than our justices. None of them were wearing ties, and their comments were unguarded.”

She shrugs. “It’s a younger country, a younger court. They are still in the process of establishing their own legitimacy.”

Does our court lack humility?

She smiles. “I’m not sure.

They are treated like gods here; the court has a very prominent place in American society,”

Epstein says. There’s a great story about the Norwegian court (she also has an appointment at the University of Bergen), she says: “They were considering an important case, and the public was surveyed, and the court came out different from the public survey, and the chief justice actually went on television to explain why. Can you imagine John Roberts going on TV?”

The Brazilian high court debates on television; Epstein doesn’t see that happening here anytime soon either. “Frankly, I think our justices are worried about Colbert or some other talk-show host taking little sound bites. I also think they like their anonymity.”

After studying high courts around the world, Epstein says the U.S. Supreme Court justices “have a relatively low workload and a relatively high [number of] staff. And their opinions are long. They have gotten longer and longer because the justices are deciding fewer cases, so they have more time. And they have very good help and electronic databases.”

Why are they deciding fewer cases? “That’s a question nobody quite knows the answer to,” Epstein says. “At the turn of the last century, they were deciding well over 200 cases a year. Now they barely get to 70. The drop is very noticeable, and there’s been a ton of speculation. But the court is an opaque institution. The justices don’t have to explain why they do or don’t take cases.”

How does the court decide which cases to hear? “First, they get about 7,000 petitions, and the clerks go through them and write little memos. And the clerks have been trained to write, ‘Reject,’” Epstein says. “So a lot of it boils down to what the clerks are looking for.” Her analysis suggests that the clerks are looking for good lawyering: “If the feds or a superstar lawyer wants a case heard, that would up the chances.” They’re also looking for conflicts, she says, cases in which the lower courts have disagreed about a point of law. They want clean cases, so they don’t get mired in a procedural tangle. And they want cases for which there’s a good chance of an outcome that will satisfy them.

One of her recent papers analyzes the odds. “If there’s a certain set of factors present, they are going to take the case,” Epstein explains. “If there’s a question about whether the case is still a live controversy or whether they have jurisdiction, they are not going to take the case. And the cases in between are where politics will come into play.”

‘DRIVEN BY THE DATA’

“There are people who, when they walk into a room, you can feel that they definitely have things under control; there’s a mastery there,” says Charlie Thau, Epstein’s teaching assistant. “She’s a commanding presence.” Thau, who took Epstein’s constitutional law class when he was a sophomore, is headed to Georgetown University’s law school in the fall. Not only is his mentor a pioneer in political science, using data to track patterns in judicial behavior, but she’s also taught him “the value of preparation.” He says, “She’s fair. She’s not trying to mess you up, but she expects her students to meet her halfway.”

Thau still remembers the first time she called on him cold and grilled him: The case was *Marbury v. Madison*. “It established the idea of judicial review, that the judiciary can declare actions by the government unconstitutional,” he says. “When she said my name, my legs were shaking. She asked about five questions, each more complicated than the last, drilling down.” He managed every answer. “It was one of the proudest moments of my academic life.”

Now, as one of her TAs, he’s a lot more relaxed. “She comes in seeming very serious, and her class can be intimidating, but she’s witty — dry and acerbic. She definitely knows how to draw out a joke.” Those jokes are at neither side’s expense, though: “You have no idea how she feels about what we’re discussing. She just wants to improve our critical thinking,” Thau says.

“Now they barely get to 70. ... But the court is an opaque institution. The justices don’t have to explain why they do or don’t take cases.”

—LEE EPSTEIN

Using data-driven science, Professor Epstein teaches her law students about the history of presidential win rates before the Supreme Court. The data show that since the Reagan presidency, a small group of attorneys, training in Supreme Court specialty groups at top law firms, have had good success against the Office of the Solicitor General.



Joe Angeles

One of Epstein's faculty colleagues, James L. Gibson, says that absence of ideology is important on two levels: First, she's a university professor, so, of course, her entire career is devoted to seeking the truth. And second, "she is a political *scientist*, driven by the data." (She co-directs the Center for Empirical Research in the Law; she's received 12 grants from the National Science Foundation; and for the past 30 years, she's been helping to build and maintain the U.S. Supreme Court Database, which contains the key facts of every case since 1791, an unprecedented resource for scholars, lawyers and journalists.)

"Our data don't let us believe things that are not true," says Gibson, who is the Sidney W. Souers Professor of Government. "We are always testing our own positions against the data, and that's a humbling thing to do. It makes us less assertive about our opinions."

Epstein is "intolerant of superficial arguments," Gibson says. He's studied the nation's high court himself, but he's wary about every detail when they talk: "She'll correct me in a heartbeat. I have

never known a person who knows as much about the Supreme Court — the personalities, the arcane institutions and rules, what's on the docket." Best of all, she's a well-rounded scholar, he says, generous toward younger colleagues, patient with committee work and an excellent writer.

The 17 books she's authored or co-authored have made indelible marks and won awards, including the Pritchett Award for the Best Book on Law and Courts and one from the American Political Science Association (APSA) for making a lasting impression on the field of law and courts. (The APSA also bestowed its Lifetime Achievement Award on Epstein.) And like her teaching, her writing is fed by her work on the Supreme Court Database; her statistical analyses of wins, traits and shifts; her interactions with judges worldwide; her attention to every detail of every U.S. Supreme Court justice's mind and heart, values and temperament, past experiences and relationships, foibles and quirks.

Even in its highest expression, justice is a small, chosen group of men and women, their opinions shaped by far more than the law. 

Jeannette Cooperman is a staff writer for *St. Louis Magazine*.



The Need to Serve



Veterans continue their serving ways as student leaders, encouraging and supporting each other's personal and educational growth and advancement at the university and beyond.

BY DIANE TOROIAN KEAGGY



James Petersen enrolled at the Brown School to learn how to treat veterans like him — combat soldiers struggling to adjust to life back home. But he will graduate with a new mission: helping soldiers chart a path forward through higher education.

"I came to WashU convinced that I didn't belong here — that no one got me," Petersen says. "But connecting with other veterans changed everything for me. I want to give other veterans that support and the resources they need so they can succeed in college."

Petersen (pictured at left) is the president of WUVets, a student group devoted to serving student veterans. In the past, that's meant hosting an annual Veterans Day event, organizing a gift drive to benefit local vets and getting members together every so often for beers.

Petersen wanted to do that and more. Yes, he would organize the 2016 Veterans Day reception, but this one would feature U.S. Sen. Claire McCaskill (D-Mo.) and a panel of decorated veterans. Yes, he would join Student Veterans of America (SVA). And then, a mere

six months later, he would accept the Chapter of the Year Award at SVA's annual convention. And he would help launch the first Veterans Week, but not just for Washington University students. Students from WashU, Saint Louis University and University of Missouri–St. Louis would come together for service, networking and educational opportunities.

"As our numbers grow, so has our commitment to the university and each other," Petersen says.

In February, he and fellow WUVets members Gerard Tate and Jen Goetz of the Brown School would tell Provost Holden Thorp and Henry Webber, executive vice chancellor for administration, that despite WUVets gains, the university must do more to recruit and support veterans: because veterans deserve it, because veterans make WashU better.

"We didn't gloss over the facts," Petersen says. "The truth is, Washington University is a leader in so many areas, but there is much, much more that the university can do for veterans. These men and women are our future business leaders and politicians, and we need them here."

Webber and Thorp, both of whom were raised in military families, agreed.

“We heard our fathers speaking through James,” Webber says. “We are blessed by the presence of veterans on our campus. We knew James was right — increasing the number of veterans on our campus would be good for them, but it would be enormously good for the entire university. He gave us a lot to consider.”

Finding others like him

Petersen grew up in Collinsville, Illinois, and liked to run through the woods with a stick and fight imaginary battles. A good student from a middle-class family, Petersen had the option to go to college. But he chose the military instead, enlisting in the Marines in 1999.

“I liked that they were so elite: ‘The few, the proud...,’” Petersen says. “That’s how I saw myself.”

Petersen was deployed to Fallujah, Iraq, in 2004 and ultimately was assigned to protect the infamous Abu Ghraib prison. For decades, Saddam Hussein had tortured his enemies there.

“The wild dogs would dig up bones from the mass graves and bring them to you,” Petersen says. “The place was just steeped in evil. It was attacked every single day — by car bombs, rockets, mortars, rocket-propelled grenades. The whole site was about the size of the buildings that make up the Brown School on the south side of the Danforth Campus, so when it got attacked, you felt it.”

Petersen came back to the States, like so many other soldiers, with post-traumatic stress disorder. And like so many other soldiers, he struggled to recover. Any number of sounds — fireworks exploding, garbage trucks driving by, baseball bats connecting with balls — could trigger an attack.

Petersen sought therapy from the U.S. Department of Veterans Affairs, and it worked. He stopped snapping at loved ones and started hanging out with friends. Finally, he could shop at Costco and attend games at Busch Stadium, both venues that previously had sparked panic attacks. And he wanted other vets to feel the same relief, so he decided to study social work. The Brown School offered him the most money and the best opportunities.

Petersen excelled academically but still felt isolated socially. “I needed to find others like me — people who weren’t your traditional sort of student, people who could help me figure out the red tape required to use my VA benefits, people who cared,” he says.

‘There is no one veteran experience’

So did Goetz, an Air Force veteran. Goetz never saw combat and did not struggle with many of the

A better way to help

Jennifer Goetz eagerly awaited her rejection letter from the Brown School at Washington University.

“WashU was the only school I wanted to go to, but I never thought I would get in,” Goetz says. “I remember thinking, ‘I wish they would hurry up and reject me, so I can apply to other schools.’”

The rejection letter never came. And why would it? Goetz had a long and successful career as an active duty and reserve officer in the Air Force, and she had degrees in sociology and education, and a passion for serving others.

Yet, like many of the other veterans she has met on campus, Goetz didn’t think she belonged at an elite university.

“I’ve heard veterans say, ‘I’m too old. I’m not smart enough. I don’t fit in with these college kids,’” Goetz says. “I knew I was qualified. So why would I think these things? It’s a confidence issue. Now when I talk to other veterans who say, ‘I can’t do it,’ I say, ‘Yes you can!’”

Goetz came to the Brown School to learn how to develop better systems to serve veterans. She has found veterans often get shuffled from one program to another. The problem, she says, is not a lack of resources but a lack of coordination.

“Someone will have a good idea, and they will run with it, but it’s not always informed by research or evidence,” Goetz says. “A better approach is to bring together anyone in the community — private, public, nonprofit — who works with veterans and improve their capacity by identifying issues, setting priorities and conducting research to guarantee good outcomes.”

The work is more important than ever. Some 250,000 service members return to civilian life every year, and the transition is often fraught.



Jennifer Goetz

Branch: Air Force

Age: 36

Degree: MSW, Brown School

Home: O'Fallon, Illinois

Family: Husband, Todd; children,
Dominic, 12, and Dillen, 5

James Byard

“What I realized is that when you are in the military, things are clear-cut,” Goetz says. “You are told where to go and what to do, and the resources you need are right there. And if a serviceperson, for instance, loses his or her home, he or she can move on base. No active service member will be homeless. However, once that person leaves the military, that level of resources is gone. That’s part of why we are seeing so many problems. I want to find a better way to help.”

“A better approach is to bring together anyone in the community ... who works with veterans and improve their capacity by identifying issues, setting priorities and conducting research to guarantee good outcomes.”

challenges Petersen confronted. Still, WUVets provided her important friendships and support.

"I didn't even know there was an organization," Goetz says. "But once I did, I was like, 'Where have you guys been?' It has made my last year here really awesome."

She and Petersen worked with Danielle Bristow, assistant dean for academic affairs at the Brown School, and Ashley Macrander, assistant dean for graduate student affairs at The Graduate School, to bring Veteran Ally training to Brown faculty and staff. The program, which provides employees a better understanding of the issues veterans face in college, launches next semester.

Goetz believes an office of veteran affairs could provide programs and services like Veteran Ally training to the entire university community. A dedicated office also could recruit more veterans, ease their transition to college, help veterans access benefits and connect students.

Such an office, Goetz says, would support Washington University in its effort to be a more diverse and inclusive institution.

"There is no one veteran experience," Goetz says. "We didn't all go to combat. We don't all look a certain way. We are not all G.I. Joes. We all had different experiences in the military. And we all have learned different things and can contribute in different ways."

Veterans say Olin Business School has mastered how to both educate veterans and leverage their experiences. It boasts 22 veterans in its full-time MBA program and some 75 veterans in its part-time and executive MBA programs and Brookings Executive Education program in Washington, D.C. Olin connects prospective students to the Olin Veterans Association, hosts a two-day boot camp for incoming students, sponsors events for veterans' family members and employs a specialist to help veterans access financial aid. Most important, Olin makes a huge financial commitment to veterans, covering whatever tuition costs are not covered by government benefits. In most cases, that's about half of Olin's tuition.

Kurt Dirks, professor of organizational behavior at Olin and former interim dean, says Olin recruits veterans for three reasons: It is committed to serving those who have served our nation; veterans create a strong classroom culture; and veterans have the skills that many of Olin's corporate partners want. Indeed, an internal study of student veterans at Olin found veterans outperform the average student in both the classroom and job market.

"Veterans help our faculty and students realize Olin's values of leadership, integrity, collaboration

B-school a good fit

Jon Slack applied to Olin Business School at Washington University because of its stellar faculty and track record placing graduates in top jobs. But he also chose Olin because of another veteran.

"I talked to the president of the Olin Veterans Association multiple times prior to making my decision," Slack says. "I didn't have that sort of communication at the other schools. This was important to me because I feel there is a bond of trust that veterans share."

The financial support also mattered — not just the money, but what it symbolized.

"At the other schools where I was accepted, they said, 'You'll be on the G.I. Bill. That's great. But there will be a gap between what the G.I. Bill covers and actual tuition.' When I visited here, they said, 'Know that you will be taken care of. And we do that for every veteran,'" says Slack, who will graduate with 10 veterans. "That told me something about the school. It was an above-and-beyond thing."

Slack was studying economics and computer science at the University of Central Florida when the World Trade Center was attacked on Sept. 11, 2001. On Sept. 12, 2001, he wanted to enlist, but his parents urged him to finish his degree first. Slack agreed and joined ROTC. After graduation, Slack served in Afghanistan, Korea, Germany and Africa, where he learned a lot about the world and his fellow Americans.

"I'm from Miami, so diversity was not new to me," Slack says. "But serving in the military opened me up to other types of diversity. The people alone provided me a great education."

Initially commissioned as an engineer officer, Slack went on to serve as a civil affairs officer, helping local people develop the capacity to rebuild their institutions.



Jon Slack

Branch: Army

Age: 35

Degree: MBA, Olin Business School

Home: Miami, Florida

Family: Wife, Kathryn

photo: sauer

While deployed, the goal, he says, was to work himself out of a job. Although there is still much to be done, after 10 years, he decided it was time for a change.

Slack initially thought of law school; his wife is an attorney, and both of his parents are retired police officers. But he soon discovered business school would be a better fit.

“I realized the things I enjoyed doing in the Army — leading soldiers, building teams, solving problems — were the focus of business school,” Slack says. “I’m a state-school kid, the son of cops. I never thought I’d go to business school, much less at an elite university. And, to be honest, after 10 years out of school, the first semester hit me like a ton of bricks. But now I love it.”

“At the other schools ... they said, ‘You’ll be on the G.I. Bill. ... But there will be a gap between what the G.I. Bill covers and actual tuition.’

When I visited here, they said, ‘Know that you will be taken care of.’”

and excellence,” Dirks says. “And, quite frankly, they offer perspectives other students do not have.”

For instance, when Dirks led a class on putting together a team under pressure, the veterans shared what they had learned on the battlefields of Iraq and Afghanistan.

“The other students were in awe of the life or death decisions the veterans had made,” Dirks says. “Those types of conversations happen all of the time at Olin because of our veterans.”

Keeping the momentum going

What would it take for those conversations — that learning — to happen campuswide?

WUVets has identified key goals. It recommends that the university take an inventory of current veterans and existing resources and then identify obstacles — financial and otherwise — that hinder student success.

Next, it encourages the university to recruit both undergraduate and graduate students at career-day events on military bases and to partner with existing programs, such as the Warrior Scholar Project and Service to School, to prepare veterans for the rigors of an elite university.

And, finally, WUVets recommends that the university develop programs with peer-to-peer mentoring, group counseling, new-student orientation and other initiatives to help veterans thrive at Washington University.

In April, Webber and Thorp got back to WUVets with good news. Chancellor Mark S. Wrighton had approved the creation of a new position in the Provost’s Office to serve veterans and active members of the military. Thorp says the decision is a big step forward for a university committed to recruiting a diverse student body and supporting this group of students through services, resources and programs that meet their unique needs.

“We want to expand access on every front, and that includes student veterans,” Thorp says. “Veterans bring special life experiences to Washington University, and they also have special requirements. By establishing this role, Washington University will serve those needs just as our veterans have served our country.”

Petersen says he is thrilled with the university’s quick and thoughtful response. And he plans to apply for the position, although he also is weighing other offers to serve veterans.

“If I have learned one thing about myself, it is that I need to serve,” Petersen says. 

Diane Torojan Keaggy, AB ’90, is senior news director of campus life.

Rebuilding a life

Serve the nation, see the world, learn valuable skills.

Life in the Army seemed to offer so much promise to Angela Peacock, especially compared to her daily grind of waiting tables and taking classes.

So, in 1998, Peacock enlisted. When 9/11 happened, she was ready.

“I believed in the mission,” Peacock says. “We literally thought: ‘We are going to save the Iraqi people from Saddam.’”

Peacock can’t remember when her feelings changed. Maybe it was when her convoy took fire as it rolled into Baghdad; when she learned that sectarians had planted bombs inside dog carcasses; or when she shoved away a young Iraqi girl selling cigarettes that might be explosives.

“You never knew who wanted you dead.”

Peacock had trained for the constant attacks and the conditions (her camp had no toilets or showers). But when she found herself down to 100 pounds, suffering a panic attack under a humvee, she knew something was wrong. She was flown to Germany and medically retired.

Back in St. Louis, she continued to suffer panic attacks and a host of medical problems. Soon, she developed an addiction to painkillers.

“Their answer was to put me on meds and get me out of the Army,” Peacock says. “What they should have said is, ‘You are having a normal reaction to an abnormal situation. Of course you are having a hard time adjusting.’”

At her grandmother’s urging, Peacock sought help, enrolling in a string of programs. But she still felt isolated, that is until she found equine therapy.

“When you are beat down and have no relationships, you forget how to interact,” Peacock says. “Horse therapy taught me how to be strong.”

That’s also when she met G.I. Joe, a black lab service dog. With G.I. Joe by her side, Peacock did what had been unimaginable: run errands. She remembers vividly the day she went to the grocery store and bank on one trip.

Her next goal: return to school. Her Veterans Affairs therapist advised her to start with one class, but Peacock was excited and compromised on two: English comp and ceramics. She aced them both.



Angela Peacock

Branch: Army

Age: 37

Degree: B.S. (psychology),
University College in Arts & Sciences

Home: St. Charles, Missouri

Family: Single

James Byard

With every A, Peacock gained confidence, although she still felt isolated. Seeing Marine bumper stickers and Iraqi veteran plates in the school's parking lot, she wondered who these people were. To find out, she started St. Charles Community College's first veteran organization.

"Eighty people showed up at the first meeting," Peacock says. "It was like, 'Here are my people.'"

Now a psychology student at WashU, Peacock found her people at WUVets. As one of the group's leaders, she successfully petitioned the university to recognize student veterans during Commencement and to include the red, white and blue honor cord as part of the official regalia for graduating veterans.

"A small act goes a long way," says Peacock, who was selected to serve as the University College student marshal at Commencement this year.

Inducted into Phi Beta Kappa, Peacock also was honored with a large scholarship for graduate studies at the Brown School. She plans to study veteran issues.

"Their answer was to put me on meds and get me out of the Army. What they should have said is, 'You are having a normal reaction to an abnormal situation. Of course you are having a hard time adjusting.'"

Targeted Excavating Leads to Lost City



Using modern, high-tech analysis tools, anthropologist Michael Frchetti is leading groundbreaking research on an ancient city high in the Uzbekistan mountains. The site may hold clues to how medieval civilizations changed when diverse communities integrated — and even suggest how we might consider our own current initiatives of global community-building.

GERRY EVERDING • PHOTOS BY THOMAS MALKOWICZ

In summer 2015, university videographer Thomas Malkowicz joined the research team at Tashbulak. To view his five videos on the work being conducted there, visit source.wustl.edu/washington-magazine.



Tashbulak is located on a high-altitude plateau in Central Asia, near the Uzbekistan and Tajikistan border. It is a well-preserved site, previously unknown to the archaeological or historical community. Michael Frachetti and Farhod Maksudov, along with their collaborators, found the site under 20 inches of topsoil in 2011.



ost and abandoned for a thousand years, the ancient medieval city of Tashbulak lies buried inches below the close-cropped grass of an isolated pasture high in the mountains of Uzbekistan.

Once a bustling mountain stronghold of the Qarakhanids — a nomadic civilization that conquered and controlled a vast central corridor of the Silk Road trade network — Tashbulak and its inhabitants have remained unknown and overlooked by modern archaeology.

When Washington University anthropologist Michael Frchetti first visited the site in 2011, he expected to find little more than remnants of small nomadic campsites. He and his Uzbek co-investigator, Farhod Maksudov, had made a last-minute decision to scout the high pasture after spending weeks in nearby valleys documenting ancient nomadic campsites as part of high-risk research funded by the National Science Foundation.

Using predictive computer models, they determined searching in the high mountains near the Tajikistan border should also yield discoveries. So they loaded their gear on donkeys and set off on a three-day excursion to the plateaus of the Malguzar range, more than 2,000 meters (6,500 feet) high.

“On the plateau, we found a hidden valley with large mounds and undulations on the surface, as well as an unusually large density of broken ceramics scattered across the structures,” Frchetti recalls. “It was obvious that the ceramics were ancient and probably medieval and that we had stumbled across something much larger and different from the typical campsites we had expected.”

For Frchetti, an expert on Bronze Age nomadic pastoralists in Central Asia, the possibility of a large urban settlement at this high elevation was both surprising and intriguing. Nomads have summered their herds in these highland pastures for millennia, but most return to the foothills each winter.

Who were these people, he wondered, and why would they build a city so high in the mountains?

As Frchetti, Maksudov and their team of WashU graduate students walked the rolling green hills gathering tiny shards of ceramic, they traded theories about the history that might lie buried beneath their feet. What may have been harder to imagine, though, was the barrage of intellectual curiosity and scientific exploration their discovery would soon unleash on this remote corner of the Malguzar mountain range.

Beyond their expectations

Frchetti, associate professor of anthropology in Arts & Sciences, began plotting a return visit with a small cadre of archaeological specialists, including

current students and alumni who had worked with him on past field projects.

As director of the university’s Spatial Analysis, Interpretation and Exploration (SAIE) laboratory, Frchetti leads a team of scholars who use modern, high-tech analysis tools — Geographic Information Systems (GIS), remote-sensing and related technologies — in novel ways to explore how human societies have evolved. Specifically, SAIE researchers map, interpret and explore how global conditions and human history have been shaped by settlement patterns, resource capacity, cultural practices, and ecological interactions and other environmental factors, such as climate and climate change.

In Uzbekistan, pilot excavations the following summer, in 2012, revealed the stone foundations for several small buildings. This discovery fit with 3D topographic reconstructions of the site area based on aerial drone photography and computer modeling. Then with support from the National Geographic Society/Waitt Grants Program, the team returned in summer 2013 with an array of sophisticated remote-sensing equipment.

Led by Edward Henry, a WashU anthropology graduate student specializing in geophysical analysis, the team conducted a detailed magnetometer survey of the area, pinpointing small underground variations in the natural magnetic field. The sensitive instrument detects disturbed soils and decayed organic material and reacts strongly to burned soil, stones, iron, steel, brick and other buried materials.

As Frchetti would later report to NatGeo, the preliminary survey had revealed the outlines of a settlement well beyond their expectations:

We are excited to report that results of the gradiometer survey confirmed that the site is large and provides significant detail of [an] approx. 7-hectare town [little over 17 acres], complete with what we think are large water reservoir facilities, some defensive structures, an enclosed citadel, iron production areas, and a massive necropolis with roughly 300 burials. The whole town is well-preserved under about 50 cm [nearly 20 inches] of topsoil, has apparently never been looted, and was unknown until now to the archaeological or historical community. From an architectural perspective, Tashbulak is very complex, and given what we can see from the map, it reflects one of the best-preserved high-altitude production centers in Central Asia dating to the medieval period.

A home for nomads?

The initial research at Tashbulak points to its foundation dating to 1,000 AD, when Central Asia was ruled by the enigmatic Qarakhanid empire.



“It was obvious that the ceramics were ancient ... and that we had stumbled across something much ... different from the typical campsites we had expected.”

— Michael Frchetti



WashU anthropologist Michael Frchetti (right) works closely with his Uzbek co-investigator, Farhod Maksudov, excavating Tashbulak. At far left is the team's campsite on the mountain plateau.



Frchetti is an expert in Bronze Age nomadic pastoralists. Finding a large urban settlement at such a high elevation was surprising. His research team is trying to determine who these settlers were and why they built a city so high in the mountains.

Did people live at the site year-round? And, if so, how did they manage to feed themselves and their herds when winter snows piled up? ... Why, after hundreds of years of apparent prosperity, was the site so suddenly abandoned?

Much of what we know about the Qarakhanids is based on sparse accounts from historians living in lowland oases and river-delta cities that came under the control of this nomadic state. As the first Turkic nomads to convert to Islam, the Qarakhanids helped spread the faith across their vast empire, building impressive mosques and mausolea in cities across the medieval Silk Road.

Historians note the Qarakhanids had little interest in making big changes in the cities they conquered. Though their rulers and merchants may have set up shop in these lowland centers, nomadic Khans seemed content to leave earlier governmental institutions, agricultural systems and lucrative trade networks in place.

As Frachetti has shown in other research, nomadic pastoralists had roamed the arid foothills of these rugged mountain ranges for thousands of years before Marco Polo's travels made the Silk Road famous. Each summer, they converged on the lush mountain pastures, reuniting with kinsman from nearby valleys and forging social connections that would lay the foundation for vast transcontinental trade routes.

Tashbulak, it appears, was the sort of city a nomad could call home.

Planning a large-scale expedition

Preliminary investigations had suggested the settlement was involved in the mining and smelting of raw iron ore, but many questions remain.

Were the settlement's blacksmith shops and craft buildings used to produce luxury metal goods for the elite in the nearby citadel, or was there a military purpose for the production, such as new forms of steel for the blades of knives and swords? Did people live at the site year-round? And, if so, how did they manage to feed themselves and their herds when winter snows piled up as high as 8 feet? Why, after hundreds of years of apparent prosperity, was the site so suddenly abandoned?

A veteran of excavations at sites across Central Asia, Frachetti knew that planning a large-scale archaeological expedition to such a remote site to try to answer these questions would be challenging.

Populated by a handful of nomadic herdsmen (and their huge herds of cattle, sheep and goats), the high pasture is a full-day's bus ride from Samarkand, Uzbekistan, the nearest city with a commercial airport. Americans making the trip would spend a day in the air just getting to Samarkand, with stops in Dusseldorf, Germany, and St. Petersburg, Russia.

The site also lies within a restricted military zone along the border with Tajikistan, so the travelers first would have to obtain high-level government

security clearances. With little nearby access to medical attention, commercial lodging and food markets, every item essential to the expedition (and the subsistence of its crew) would need to be stockpiled and transported to the site along with the researchers.

With grant support from the International Center for Advanced Renewable Energy and Sustainability (I-CARES) at Washington University and the Max van Berchem Foundation, Frachetti began recruiting multidisciplinary scholars to help explore the site in greater detail and address two other central questions: How did the construction of a large town at high elevation impact the environment in this fragile landscape? And how did it function in the political and economic system of the medieval Silk Road?

In the summer of 2015, Frachetti drew together a team of nearly two dozen researchers and support staff, who assembled in Samarkand. They set out for Tashbulak in a Russian bus that — when on site — transforms into a science lab for high-tech processing in the field. Besides the "Science Bus," the team lived in much the same way as the nomads that preceded them. They set up a tent camp near the dig site, dug a latrine and engineered an ecologically sustainable water-filtration system to pump water from a nearby spring for drinking, showers and laundry.

The team's specialists were organized into four focus groups whose methods are honed for broad areas of interrelated analysis: remote-sensing and site architecture, mortuary excavation, plant bio-archaeology, and environment and sustainability.

The remote-sensing group was sponsored by the National Geographic Society Committee for Research and Exploration. And Frachetti once again tasked geophysical specialist Edward Henry to organize researchers to carry out extensive ground-penetrating radar surveys across a larger area of the settlement.

Now in his fifth year of the anthropology doctoral program, Henry, MA '14, has used his specialized skills to reveal archaeological secrets buried deep within the earth from Central Asia to Mexico to Arizona, as well as many states in the Eastern U.S.

"With ground-penetrating radar, one characteristic we're looking at is a difference in the density of the earth: things like mud-brick structures or stone foundations, which will reflect differently than the naturally occurring soil next to them," Henry says.

Henry's meticulous, grid-by-grid surveys of Tashbulak helped the team gain a better understanding of the city's layout and organization. Equally important, Frachetti says, the surveys showed them exactly where to dig.



Elissa Bullion, MA '14, is in the anthropology doctoral program. Her specialization is analyzing human remains. She hopes the bones found at Tashbulak will help researchers understand the daily life of the working-class people who lived there.

“Using Ed’s data, we are able to carry out more strategic excavations targeting specific areas, as opposed to opening up huge trenches and wasting a lot of time and resources,” Frachetti says.

In 2015, the group targeted archaeological excavations on a blacksmith workshop in the lower town, a trash heap, five burial plots in the necropolis and a portion of a residential structure on the citadel. The central building of the citadel, which shares the design of other palaces in the region, was constructed with a thick stone foundation measuring 60- to 70-centimeters wide at its base. Much of the soil near the bottom of the wall showed signs of intense burning, suggesting that the whole structure may have come down in a huge fire, Frachetti says.

Digs at the metal workshop uncovered slag from iron-ore processing, as well as fragments of iron weapons and tools. Along with abundant ceramics, glazed wares, glass beads, a silver vessel and other household items, researchers recovered a number of Qarakhanid coins dating to about 975 CE, or roughly 25 years after the conversion to Islam is believed to have swept across the Qarakhanid civilization.

Unearthing more questions

This religious influence also is evident at Tashbulak’s large, 300-grave hillside cemetery, where excavations confirmed the use of a distinctly Islamic burial style.

“What’s interesting about the Tashbulak site, and the Qarakhanid dynasty in general, is that

there hasn’t been a bioarchaeological study of this population,” says Elissa Bullion, an anthropology doctoral student who is overseeing the mortuary excavation group. “We have historical records that tell us about who these people were to some degree, especially the more urban populations and the more elite echelons of society. But we don’t know a lot about the ordinary people who were living under the dynasty, especially on a day-to-day basis.”

Also in her fifth year of the anthropology doctoral program, Bullion, MA '14, is hoping the bones her team unearths at Tashbulak will help history better understand the daily lives of herders, blacksmiths, soldiers and other working-class people who lived in the city.

A native of eastern Massachusetts, Bullion did excavations in Peru as part of her undergraduate anthropology studies at Middlebury College in Vermont. She did fieldwork in Mongolia before coming to WashU on a Mr. and Mrs. Spencer T. Olin Fellowship for Women in Graduate Studies.

Her specialization, also known as human osteoarchaeology, involves the scientific excavation, recording, recovery and analysis of archaeological human remains to answer questions such as age, sex, diet, health, occupation and ancestry.

During their 2015 visit, Bullion, a team of WashU undergraduate students and Uzbekistan colleagues excavated five graves, which included the remains of four adults and one infant. She plans to return to the field this summer to excavate

“... As we study the samples we’ve brought back and do various measures, we come up with new questions. Then we’ll need to go back [to Tashbulak] to get more samples.”

— T.R. Kidder

as many as 30 additional graves, which will help her explore Tashbulak’s demographic profile and population genetics.

As research progresses, Bullion will collaborate with leading specialists to do morphological evaluations of bone size, shape and condition, and other analyses at the molecular and genetic levels to see what stories these bones may tell about residents’ lifestyles.

“Certain stages of metal production require specific types of heavy physical labor,” she says. “This can create observable patterns of wear and modifications on bones. When we combine these patterns of pathology with other lines of evidence, such as metal signatures in bone chemistry, we can build a picture of whether individuals were engaged in metal work and, if so, which stages they were involved in.”

Plant remains provide clues

A third group focused on other remains, the ancient plants or archaeobotany of the archaeological site and the ancient environment. Led by research scientist Robert Spengler, MA ’09, PhD ’13, the team was charged with sifting through excavated soils for seeds, pollen and other signs of food crops that may have been cultivated at the site or transported there from agricultural settlements at lower elevations.

For Spengler, a small peach pit excavated from Tashbulak is yet another puzzle piece in his larger quest to understand how modern crops made their way to dinner tables around the globe.

“Finding a single peach pit is very exciting because it is a crop that is coming from Far East Asia,” Spengler says. “We see the Silk Road exchange networks bringing more than just silk. We see a whole variety of crops, which through the process of globalization, become key players in agricultural traditions across the entire Old World.”

Spengler began his graduate studies in 2006 under the mentorship of noted WashU archaeobotanist Gayle Fritz. He honed his interest in the paleoeconomy of Central Asia while working with Frchetti at several excavation sites. He now continues to collaborate on diverse research projects in Kazakhstan, Uzbekistan, Turkmenistan, China and Mongolia.

Spengler’s research at Tashbulak is showing what kinds of fruits, grains and legumes were carried to Tashbulak from Silk Road market bazaars by ancient merchants. Many of these ancient Silk Road fruits, such as peaches and apricots, originated in distant parts of the world, while others, such as the apple, were domesticated in the foothills of Central Asia.

Reconstructing the past

Spengler also contributes to the I-CARES-funded environmental research group, which is led by two other WashU experts: T.R. Kidder, the Edward S. and Tedi Macias Professor and chair of anthropology in Arts & Sciences; and Dan Giammar, the Walter E. Browne Professor in Environmental Engineering in the School of Engineering & Applied Science.

The environmental group is exploring the relationship between rapid settlement intensification, metal production and herding economies at Tashbulak, all of which may have contributed to deforestation, flooding and heavy-metal pollution.

The aim of the I-CARES support was to bring a multidisciplinary approach with experts on dendroclimatology, archaeobotany, ge archaeology and geochemistry, environmental isotopes and GIS to model and track environmental changes going back more than a thousand years.

A key player in the environmental investigation is Taylor Hermes, who graduated from WashU in 2007 with an undergraduate degree in anthropology. Now a PhD candidate in archaeology at Kiel University in Germany, Hermes has worked with Frchetti on excavations for more than a decade. At Tashbulak, Hermes is a leader of the cartographic team that handles GIS site-mapping and topographic analysis. He’s also directing the isotopic analyses of recovered animal bones and teeth to reveal clues about environmental conditions at the site and the role of livestock in its economy.

“My main interest at Tashbulak is to understand the pastoral production of the site’s past inhabitants and to reconstruct aspects of the paleoclimate,” Hermes says. “I’ll analyze carbon, oxygen, nitrogen and strontium isotopes to reconstruct the background environment and how these isotopes moved through the ecosystem via various animal-management strategies and eventually got deposited in the mineralized teeth of the cattle, sheep and goats that were herded here.”

Back at his lab at Kiel, Hermes uses a mass spectrometer to measure the isotopic signatures of ancient teeth, bones and carbonized plant remains excavated at the site and compare them to modern samples he collected near Tashbulak and from surrounding sites. Since the teeth of sheep and related species grow at a relatively steady rate, he hopes the seasonally varying isotopic signatures in the enamel will provide insights about whether the site was occupied year-round and how herders used the surrounding landscape to support their animals.

Irina Panyushkina, a leading paleogeographer and dendroclimatologist from the University of Arizona, leads the study of long-term climate-change analysis based on examining tree rings from



Under a canopy hanging from the “Science Bus,” researchers eat their meals and discuss excavation details. Their nearby tent camp (see pg. 27) allows the team to live in much the same way as the nomads who once populated the area.

ancient and modern wood samples collected at the site, which also contributes to Spengler’s research.

“A huge component of our work here is reconstructing what the environment looked like in this time period,” Spengler says. “The intertwining of forest depletion and soil erosion, possibly the toxic buildup in the soil through metal production, will show up in the botanical record.”

Giammar, who brings expertise on the environmental transport of heavy metals, is collaborating with Zezhen Pan, a doctoral student in Giammar’s aquatic chemistry lab, to determine whether iron production may have contaminated soil, water and crops in and around Tashbulak.

Yi-Ling Lin, a McDonnell Scholar and anthropology doctoral student, collaborated with Kidder on site-wide soil sampling and on the analysis of soil sediments they excavated near an ancient stream bed that once flowed through Tashbulak.

Yi-Ling has since partnered with Giammar and Zezhen to conduct related research on possible soil contamination from bronze production at an ancient site in China.

Kidder points to this forthcoming research as an example of how fieldwork at Tashbulak and other sites provides WashU students with incredible opportunities to forge collaborative research partnerships with faculty and students from other disciplines, out in the field and in the lab.

“A lot of our fieldwork needs to be resolved in the lab,” Kidder says. “This is going to be a long-term

project: As we study the samples we’ve brought back and do various measures, we come up with new questions. Then we’ll need to go back to get more samples.”

Looking ahead, Frachetti is planning future WashU research at the site in close partnership with Maksudov and other archaeologists from the Uzbek National Academy of Science’s Institute of Archaeology. With a commitment of some continuing funding already in hand, Frachetti and his colleagues are mounting their next large-scale expedition for summer 2018.

“We are optimistic about the capacity to fund and execute truly groundbreaking research on urbanism and Silk Road trade in Uzbekistan for at least the next five years,” Frachetti says. “The impact of the Silk Road on global culture is unarguably immense. We think that with a long-term, sustained research effort, we can deploy the talent and technology of WashU to expose an effectively unknown ancient empire to the world. We aim to illustrate how ancient civilizations — not unlike our own — expand and change the nature of interaction when diverse communities integrate into shared networks. For the medieval Qarakhanids, this meant integrating nomads and farmers, mountain-herders and urbanites, and traders and craftsmen with leaders across a diversity of ideologies. Understanding how cities and networks functioned successfully for centuries in this precarious premodern environment might give us optimism for the future of our own initiatives of global community-building.”

Gerry Everding is executive director, electronic news communications.

Gratitude in action

While an undergrad in the engineering school, Robert Mullenger, BS '89, soaked up advice from mentors. Now a grateful alumnus, he supports scholarships and offers today's students advice and connections.

BY LAURA JOSEHART



Robert Mullenger, BS '89

As he thinks back on his days as a student in the School of Engineering & Applied Science, Robert Mullenger, BS '89, says, "At that stage of my life, I wanted to have access to people who would mentor me. I soaked up everything they said."

Mullenger found many mentors during his four years at Washington University, and he is grateful for the guidance he received. As a recipient of the James B. Eads Memorial Scholarship sponsored by McCarthy Building Companies, Mullenger had dinner with the late Timothy R. McCarthy, former president and vice chair of the company, annually. Mullenger was also invited to McCarthy's office for a tour and informational interview. "I spent the day learning about the construction business and the role engineering played in that industry. It was really significant," he recalls.

One of Mullenger's most influential mentors was his adviser, William Pickard, senior professor in the Department of Electrical & Systems Engineering. "He gave me excellent advice about the courses I should take, like economics and patent law. He had a huge impact on my life and career," Mullenger says.

Today, Mullenger lives in Mountain View, California, with his wife, Rhonda, and daughter, Stella. He is director of Global Automation and Robotics Solutions for Omnicell, Inc., a leading provider of patient-safety solutions for health-care facilities.

In 1996, Mullenger established his first named annual scholarship, and he remains a committed scholarship donor to this day. And just as his scholarship donor made time for him, Mullenger tries to connect and help Washington University students when he visits St. Louis or when an opportunity arises in the Bay Area.

"I WILL MEET THE STUDENTS IN ST. LOUIS OR SAN FRANCISCO, AND I TRY TO CONNECT THEM WITH PEOPLE WHO CAN HELP THEM."

"Professors sometimes call me about graduate students who have started a company and need advice. I will meet the students in St. Louis or San Francisco, and I try to connect them with people who can help them," he says. He gets to know his scholarship recipients as much as possible. "I used to run with one of my scholarship recipients in Forest Park early in the morning. Then we'd have breakfast and talk," Mullenger says.

Mullenger has served as the chair of the Alumni Board of Governors since July 1, 2016. Not surprisingly, his volunteer roles with the university date back to his student days. As an undergraduate, he served as the president of his dorm and treasurer for Congress of the South 40. His senior year, he was asked to serve as the chair of the School of Engineering & Applied Science Senior Class Gift.

"After I graduated, it just continued. I have been involved with the Regional Cabinet, the William Greenleaf Eliot Society and several reunion committees. I have helped with *Leading Together: The Campaign for Washington University*, and the list goes on."

A university donor for 27 consecutive years, Mullenger has always been inspired to give back to the institution that taught him so much. "For me, it is the right combination: I had a great experience at WashU, I met wonderful people, and my commitment level has grown over time," he says. "I have a lot of gratitude, and I continue to be inspired by my lifelong relationship with the university."

Laura Josehart is associate director of development communications.

Alumni travel

“Once a year, go someplace you’ve never been before.” — Dalai Lama

The Alumni Association Travel Program has announced a new roster of exceptional destinations designed to provide alumni, parents and friends with unforgettable journeys in 2018. This popular travel program allows participants to connect, explore and learn while visiting some of the most intriguing places in the world. Washington University faculty members will accompany several of the 2018 trips to give insightful commentary and context that will help participants get the most out of their once-in-a-lifetime adventures.

Traveling together forms strong bonds, and participants in the Washington University Travel Program enjoy sharing their journeys with other intellectually curious travelers. “Traveling with a community of people who share the common thread of Washington University makes all the difference. On each trip I’ve been on, I’ve felt as if I had an immediate group of friends — and we were all interested in experiencing the sights, sounds and tastes of the places we were exploring firsthand,” says Marilynne Bradley, BFA ’60.

Five of the faculty-led trips planned for 2018 are highlighted here. View the entire 2018 Alumni Association Travel Program schedule by visiting travel.wustl.edu.



Verneta Simon (left), BS ’82, poses next to an iconic 1950s vintage car in Havana while Barnaby Horton, AB ’91, takes a look under the hood.



Alumni, parents and friends show their WashU pride on a 2015 trip to Antarctica with Dean Barbara Schaal (seventh from left, in red hat).

■ Costa Rica and the Panama Canal

January 6–13, 2018

David Queller, the Spencer T. Olin Professor of Biology, and Joan Strassmann, the Charles Rebstock Professor of Biology

■ Cruising Tahiti and French Polynesia

February 13–23, 2018

Elizabeth Childs, the Etta and Mark Steinberg Professor of Art History

■ Australia

April 13–26, 2018

Ray Arvidson, the James S. McDonnell Distinguished University Professor

■ Circumnavigation of Iceland: Land of Fire and Ice

July 9–17, 2018

Barbara Schaal, the Mary-Dell Chilton Distinguished Professor in Arts & Sciences and dean of the Faculty of Arts & Sciences

■ Southwest National Parks

October 1–10, 2018

William Lowry, professor, Department of Political Science

Additional 2018 trips

- Galápagos Islands
- Cuba — Art, Culture and People
- Dutch Waterways
- Italian Riviera
- Romantic Rhine and Moselle
- Africa’s Wildlife: On Safari in Botswana, Zambia and Victoria Falls
- Nordic Magnificence
- Discover Southeast Alaska
- Grand Danube Passage
- Wonders of Peru

For a full list and dates, visit travel.wustl.edu.

For more information, contact the Alumni Association at (314) 935-7378 or email alumni.travel@wustl.edu.

CAMPAIGN ENHANCES EXCELLENCE

Leading Together surpasses \$2.5 billion



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

For more on all gifts to the campaign, please visit together.wustl.edu.

Leading Together: The Campaign for Washington University officially reached its \$2.5 billion goal as of Feb. 28, 2017 — 16 months ahead of schedule. The campaign will continue through June 30, 2018.

From the beginning of the campaign, we identified about \$4 billion needed to achieve all of the university's strategic plans for the future. *Leading Together* has already had great impact on the Danforth Campus and the School of Medicine, and we will continue to seek support for our key priorities, including scholarships, professorships, academic programs and facilities.

We are very grateful to the more than 140,000 alumni and friends who have participated in *Leading Together* so far, including hundreds of volunteers worldwide. Their generosity and enthusiasm are an inspiration to our entire university community.

Surpassing the \$2.5 billion goal offers an unprecedented opportunity to advance Washington University as a leading global resource for education, research, patient care and public service. We have the chance to do something extraordinary in the next year, and I encourage all of our alumni, parents, friends, faculty and staff to join us.

McDonnell challenge commits \$20 million for scholarships

Life Trustee John F. McDonnell has established a \$20 million challenge that represents one of the largest single scholarship gifts in the history of Washington University.

The McDonnell Scholarship Challenge will match all new and increased gifts and commitments for scholarships and fellowships made by the conclusion of the campaign on June 30, 2018. Multiyear pledges payable through June 30, 2023, are encouraged and will count toward the campaign total.

So far, *Leading Together* has raised more than \$440 million for new undergraduate scholarships and graduate fellowships.

“Washington University students all share extraordinary potential to make a difference in the world. They will go on to found and manage organizations, find cures for diseases, fill important government posts in this country and around the world, author the next Pulitzer Prize-winning novel, and design the next architectural masterpiece. What a loss it would be — and how sad it would be — if we, who could have helped, didn't.” — John F. McDonnell



John F. McDonnell,
Life Trustee
Co-chair, *Leading Together*
leadership phase

“John McDonnell has been a dedicated leader, tireless advocate and visionary philanthropist on behalf of Washington University for more than 50 years, and we are deeply grateful for this wonderful support,”

says Chancellor Mark S. Wrighton. “Together, we have an unprecedented opportunity to raise half a billion dollars or more to help future generations of students achieve their dream of a Washington University education.”



Bursky Center harnesses the immune system to fight cancer and other diseases

Trustee Andrew M. Bursky, AB '78, BS '78, MS '78, and his wife, Jane, AB '78, have made a \$10 million commitment to support research that harnesses the immune system to fight cancer, infectious diseases and disorders caused by autoimmunity and immune deficiencies. The university has named the Andrew M. and Jane M. Bursky Center for Human Immunology and Immunotherapy Programs to honor their generosity.

The gift also established a distinguished professorship, the inaugural Andrew M. and Jane M. Bursky Distinguished Professor, for the center's director, Robert D. Schreiber, who has led the center since it was established in 2014. Highly regarded for his expertise in cancer immunotherapy, Schreiber focuses on translating discoveries into improved diagnosis and treatment for patients.

"Andy and Jane's gift will accelerate the progress of the center and have a significant impact on its ability to improve human health," says Chancellor Mark S. Wrighton. "We are very grateful to the Burskys for supporting the innovative work of Robert Schreiber and the distinguished researchers and physicians who are making incredible advances in the field of human immunology."

Andrew Bursky is founder, chief executive officer and chairman of Atlas Holdings LLC, an industrial holding company based in Greenwich, Connecticut. A Washington University trustee, he has received the School of Engineering & Applied Science Young Alumni and Alumni Achievement Awards and the Arts & Sciences Alumni Achievement Award. The Burskys are longtime scholarship supporters and led the effort to establish the Spirit of Washington University Scholarship.



Andrew M. and Jane M. Bursky

Inaugural Neidorff Family and Centene Corporation Dean installed at the Brown School

Mary McKay was installed as the inaugural Neidorff Family and Centene Corporation Dean on Jan. 26, 2017. She joined Washington University as dean of the Brown School in July 2016.

"It is a great honor to be named the first Neidorff Family and Centene Corporation Dean at the Brown School," McKay says. "I am deeply grateful for this permanent source of support for the Brown School's most significant priorities."

McKay's scholarly interests focus on child mental health services, child and family HIV prevention and care, and social service delivery to poverty-impacted youth and families. She is the co-author of two books and more than 150 peer-reviewed articles.

The deanship was made possible by a \$5 million commitment from Michael and Noémi Neidorff — leading patrons of



Michael and Noémi Neidorff with Dean Mary McKay (center)

cultural and educational institutions in St. Louis and beyond — and the Centene Charitable Foundation.

Chancellor Mark S. Wrighton says, "We are very grateful to Michael and Noémi Neidorff and to Centene for their continued commitment to our community and for their leadership in advancing human health and improving the quality of life for people here and throughout the country."

Michael Neidorff is chairman, president and chief executive officer of Centene Corporation, a diversified, multinational health-care enterprise with more than 11 million beneficiaries in 29 states. He is a former member of the Brown School National Council. An active leader in the arts, Noémi Neidorff serves on the boards and executive committees of arts organizations in St. Louis and Washington, D.C. 

HELPING OTHERS EXCEL

Mentorship and support helped Joyce Buchheit start and sustain a successful business career. For decades, she has paid it forward, helping students, faculty and organizations advance and thrive.

BY TIM FOX

As the founder and owner of J. Wood & Associates, a successful management consulting firm, Emeritus Trustee Joyce (Wood) Buchheit, BSBA '76, MBA '77, believes in the power of philanthropy to change lives.

Buchheit has given generously to Washington University for nearly 20 years to express her gratitude for the scholarship support, mentorship and career guidance she received as a young mother entering Olin Business School in the 1970s.

"When I started at the business school, there were not many women and very few mothers. I chose Washington University because of the financial aid package I was offered," she recalls.

Olin School Dean Robert Virgil and Professor Earl Spiller set her on a career path at Arthur Andersen & Company, at that time one of the "Big Eight" international accounting firms.

"Dean Virgil and Professor Spiller were outstanding teachers and mentors for their students. They encouraged Arthur Andersen to hire me in spite of the fact that I did not fit the normal age and gender profile for the position," Buchheit says.

"And that scholarship changed my life," she adds. "Without Washington University and the assistance of the dean and my professors, Arthur Andersen would never have hired me and provided me with excellent training and experience in the area of tax accounting."

A life of gratitude

Even before she set foot on the university's Danforth Campus, Buchheit had benefited from others' generosity in many ways.

She remembers that growing up in rural southeast Missouri, her only access to books was through

Joyce Buchheit, BSBA '76, MBA '77



Joe Angeles

a bookmobile. Then after a family move, she was able to go to St. Louis Public Library's Barr Branch as an elementary student.

"It was like walking into a candy store," she says. "The Barr Branch was one of six St. Louis Public Library branches that received part of a \$1 million grant from the Carnegie Corporation, the largest Carnegie grant in the state. It is also named for William Barr, of Famous-Barr Department Store."

After Buchheit graduated from high school, members of the Desloge family — a prominent southeast Missouri mining family for whom the city of Desloge, Missouri, is named — entrusted her with a job in their St. Louis office. And when she decided to study for an MBA, her first husband, Paul Inman, helped with her education, though he had just returned from serving in Vietnam.

"I have benefited greatly from the generosity of others and have been blessed to be able to pay those gifts forward," Buchheit says.

Giving back

After nearly four years at Arthur Andersen and a brief time at Mark Twain Bank, Buchheit founded J. Wood & Associates in St. Louis in 1984. Four years later, she moved the business to Bonne Terre,



“I enjoy watching bright students progress through school and advance in their careers. ... It is exciting to see them succeed, open doors and hold them open for others.” — Joyce Buchheit

Missouri, where she began finding opportunities to give back.

“Christian Hospital had recently invested in the area by creating Parkland Health Center in Farmington, and they asked if I would sit on the board,” she says. Buchheit — who is now married to Chauncy Buchheit, executive director of the Southeast Missouri Regional Planning Commission — has served on the boards of several rural hospitals, as well as Missouri Baptist Hospital in St. Louis. She recently retired from the board of BJC HealthCare, where she chaired the hospital system’s audit committee.

“My service to these organizations allowed me to support the community,” she says. “I feel strongly that we need research on effective policies that improve public health, and we need to revise or delete policies that have had unintended negative consequences. Dissemination and implementation of proven best practices in health care should be our highest priority.”

Buchheit was elected to the Washington University Board of Trustees in 2011 and became an emeritus trustee in 2016. She also has chaired the School of Medicine’s finance committee and currently serves on the national councils of the medical school and the Institute for Public Health.

“Joyce is dedicated to improving the lives of people in our region,” says Chancellor Mark S. Wrighton. “We were proud to honor her with the Olin Business School Dean’s Medal in 2000 and the Robert S. Brookings Award in 2015. In addition to her extraordinary generosity, her dedicated service as an insightful leader, adviser and volunteer will have a lasting impact on faculty and students at Washington University.”

Buchheit considers her leadership role at the Institute for Public Health as an opportunity to advance the work of both the medical school and the Brown School. In 2012, she gave \$2 million to establish the Joyce Wood Professorship, the university’s first endowed professorship in public health. Debra Haire-Joshu, the inaugural Joyce Wood Professor, holds joint appointments in

the Brown School and the School of Medicine, reflecting Buchheit’s commitment to multidisciplinary approaches to public-health problems.

“Joyce’s vision is to enhance the quality of life for all by combining the medical school’s research with the Brown School’s groundbreaking work in public health, social work and public policy,” says Haire-Joshu, an internationally renowned researcher in obesity and diabetes prevention. “I am so pleased to have the opportunity to hold this professorship.”

Overall, Buchheit believes that giving back to Washington University is an investment in the future.

“Because the chancellors and the deans of the business school have been long-term leaders, I’ve seen how they plan and execute over time,” she says. “The business school is growing, especially internationally. That’s the world students are entering today.”

Helping those students and the university continue to succeed is Buchheit’s primary motivation for giving to Washington University.

In 1998, she and her former husband Howard Wood established the Wood Fellows Program for MBA students. They endowed the Joyce and Howard Wood Distinguished Professorship in Business in 2004, added the Wood Leadership Scholars Program for Olin undergraduates in 2007, and made the lead gift for the Howard and Joyce Wood Simulation Center at the medical school in 2008.

As an Olin graduate and a former scholarship recipient, Buchheit finds supporting scholarships especially meaningful.

“I enjoy watching bright students progress through school and advance in their careers,” she says. “Their diverse backgrounds, their qualifications, their accomplishments — it all reinforces my drive to help them gain the education they need. It is exciting to see them succeed, open doors and hold them open for others.” 

Tim Fox is a senior development writer in Alumni & Development Programs.

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 wustlimgclassnotes@wustl.edu

Washington magazine publishes Classnotes in print issues.

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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

Clyde Espenschied, FA50, had four of his early paintings housed at The Phillips Museum of Art, Lancaster, Pa. A body of his newer work is in the Archival Collection of The Drawing Center, New York.

Anne (Willey) Wilson Schaefer, LA56, just published her 17th book, *There Will Be a Thousand Years of Peace and Prosperity, and They Will Be Ushered in by the Women*. Her previous books include *New York Times*-bestseller *When Society Becomes an Addict* and *Meditations for Women Who Do Too Much*.

60s

Alan Hitt, BU61, SW65, HA75, now retired, helps his wife, Karen, who is a high school teacher, with her school activities and participates in a retired professional men's group. His

career included 10 years in social work positions and 36 years with the U.S. Department of Veterans Affairs in various health-care positions. Hitt has five children, two stepchildren and 17 grandchildren.

Walter Jacobs, LA61, GR65, retired after 20 years as a senior consultant for the Southern Regional Education Board's Doctoral Scholars Program in Georgia. He retired from the U.S. Air Force Reserves at the rank of lieutenant colonel in 1986 and from the College Entrance Examination Board as a regional director for academic services in 1995.

Eldridge Hardie, FA64, had a one-man exhibit, *Art of a Life in Sport*, at the El Paso (Texas) Museum of Art. The exhibit featured more than 20 original oils, watercolors and drawings covering five decades of Hardie's work.

Muriel Nofles, FA64, is AARP state president for Colorado. Appointed by the governor in August 2015 to a two-year term on the Strategic Action Planning Group on Aging, she sits on several other groups that promote the health and welfare of Coloradans.

Diana Hosley-Burchfield, FA65, had paintings juried into five competitions in 2016: Watercolor USA, a national competition sponsored by The Springfield (Mo.) Art Museum; COLOR, the Brooklyn Waterfront Artists Coalition's national art show; the Philadelphia Watercolor Society's 116th Anniversary International Exhibition of Works on Paper; the New England Watercolor Society's New England Biennial North American Show; and the Audubon Artists 74th Annual Exhibition.

Joy (Kroeger) Beckner, FA66, received the Lindsey Morris Memorial Award at the Allied Artists of America 103rd Annual Exhibition for her *Miss Me* sculpture. Her *So Good to See You* sculpture was juried into the Audubon Artists 74th Annual Exhibition. She was featured in episode 528 of the Nine Network of Public Media's Arts America series (<https://www.youtube.com/watch?v=RgyulxWgF08>).

John S. Douglas Jr., MD67, received the Distinguished Alumni Award from the University of the South and the Career Achievement Award from the American College of Cardiology. Douglas, who is a professor of medicine (cardiology) at Emory University School of Medicine, was on the team that performed the first coronary stent implantation in the United States. He was director of interventional cardiology at Emory University from 2000 to 2010.

Robert W. Duffy, LA67, began his 25th year of teaching at WashU. He has been on the adjunct faculties of the Sam Fox School

of Design & Visual Arts, the College of Arts & Sciences and University College. He was president of the Class of 1967's 50th Reunion. Duffy, who worked for the *St. Louis Post-Dispatch*, founded the *St. Louis Beacon*. In October 2015, he and **Martin R. Kaplan**, GA88, were married. They are partners in Confetti Occasions, an events company.

Chuck B. Ortner, LA67, was reappointed by then-President Barack Obama to a second six-year term on the board of trustees of the John F. Kennedy Center for the Performing Arts. Chuck's late wife, **Jane Gold Ortner**, LA67, and their daughter, **Amy Ortner Mandell**, LA94, are also WashU alums.

Robert S. Cohen, LA68, a former St. Louis County judge, joined the mediation panel of United States Arbitration & Mediation, the leading provider of mediation and arbitration services to the legal, business and insurance communities nationwide.

Margaret Goka, LA68, retired from Evergreen Valley College, San Jose, Calif., where she taught English as a second language (ESL), and launched her own ESL tutoring business.

Frederick Scott, GA68, an architect, works for St. Louis-based HBE Corporation, a leading design-build firm of hospital expansions, renovations and new replacement hospitals.

William Siedhoff, UC68, SW73, received the Heart & Cross Award from Cardinal Ritter Senior Services. He co-chaired Senior Services Count, which spearheaded a November 2016 ballot measure that was successful in creating a fund for senior services in the City of St. Louis.

70s

Mildred Hunter, SW71, received a Lifetime Achievement Award from

Health & Medicine Policy Research Group, in Chicago.

Joe Madison, LA71, a SiriusXM host, broadcast live from the historic dedication of the National Museum of African American History and Culture on Sept. 24, 2016. In 2015, Madison hosted a 52-hour broadcast to help raise \$250,000 for the museum.

J. Stuart Showalter, LW71, published the eighth edition of his textbook, *The Law of Healthcare Administration* (Health Administration Press, 2017). For 40 years, he was a health-care lawyer and taught health-care administration at WashU's School of Medicine and other universities. He serves as a contributing editor for the Healthcare Financial Management Association.

Richard Frazier, LA72, has taught science at the American Embassy School-New Delhi since 2010. He was an associate professor of science education at the University of Central Missouri from 1999 to 2010 and taught science at the Singapore American School from 1988 to 1999.

Jamieson Spencer, GR72, had his first novel, a romance titled *Modified Raptures* (Sentia Publishing, 2016), published. His earlier nonfiction book, *Fictional Religion*, is a set of essays that identify important religious themes in great literature.

Robert Downen, LA73, retired after 40 years as a foreign-policy adviser and analyst in government and the private sector. He and his wife, Holly, have been married 36 years and have two daughters and two granddaughters in Northern Virginia.

Michael J. Murrah, LA73, sold his dental practice in Columbia, Mo., after 35 years and relocated to St. Petersburg, Fla. He is involved in many volunteer activities and is an NRA-certified instructor of concealed-carry classes for

seniors. Murrah writes that he is grateful for his WashU education and hopes his contributions to the university have helped others.

Michael Riggs, LA73, a retired magazine editor and writer, reports that his son, William Riggs, graduated in May 2016 from Northeastern University's D'Amore-McKim School of Business and now is a research analyst in the Manhattan, N.Y., office of Egon Zehnder International.

Kathleen (Johnston) Schafer, SW74, retired from Southern Will County Cooperative for Special Education after 42 years as a school social worker.

Ellen Abraham, SW76, after years as an elderly services social worker, is caring for her 96-year-old mother, who now lives with her in Washington, D.C.

Cynthia (Yewell) Bonskowski, OT76, changed jobs to be closer to her first grandchild. She is transitioning from skilled nursing rehab to community-based model delivery.

Clifton Hood, LA76, published his second book, *In Pursuit of Privilege: A History of New York City's Upper Class and the Making of a Metropolis* (Columbia University Press, 2016). The book is a cultural history that extends from the 1750s to the present.

Fred Horowitz, LA76, DE79, has been tapped a third time for the STAR award from the National Association of Dental Plans for his volunteer efforts. A three-term board member of the association, he is its representative on the American Dental Association's Code Maintenance Committee.

Susan Tally, LA76, has published her poetry in *The Birds We Piled Loosely* and in *Pure Slush*. She is a member of a team of literacy tutors that works with elementary school children.

Bob Kulesher, HA77, a health-policy specialist, was promoted to full professor in East Carolina University's Department of Health Services and Information Management, College of Allied Health Sciences.

John J. Dann III, MD78, received the American Association of Oral and Maxillofacial Surgeons Humanitarian Award for Fellows and Members. The award recognizes Dann's many years of providing oral surgical care to the poor and indigent people in Leon, Nicaragua. He began making twice yearly trips to Leon to provide care in 1992.

Kim Schatzel, LA78, was inaugurated as the 14th president of Towson University, the second-largest public university in Maryland and the largest in greater Baltimore. She and her husband, Trevor Iles, have a family of five that includes their 30-year-old son Matthew, who lives in Brooklyn, and their 22-year-old daughter Katie, a student at the University of Michigan.

Ellen Woloshin, LA78, a pop singer and songwriter, performed her show *Body & Soul*, a mixture of her own songs and classics, in Los Angeles. She has written for many artists, including Dionne Warwick, Ben Vereen and La Toya Jackson.

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Gary M. Feldman, LA79, an attorney with Davis, Malm & D'Agostine, PC, was named a top attorney in Massachusetts by the Super Lawyers rating service. The selection process includes independent research and peer nominations and evaluations.

Thomas R. Robertsen, GR79, was admitted to membership in the Fernando de Leyba Chapter (St. Charles, Mo.) of the Sons of the American Revolution, culminating a two-year period of intensive research into his Revolutionary ancestors. He and his husband, Wiley Martin, continue to enjoy life on their farm in Osage County, Mo., and in their historic home in the St. Louis Shaw neighborhood.

80s

Rachel Jacobson, LA80, joined the law firm WilmerHale as a special counsel. Earlier, when she was deputy general counsel of environment, energy and installations at the U.S. Department of Defense, she was honored with the 2015 and 2016 Secretary of Defense Medal for Exceptional Public Service.

John H. Houseman, DE81, was awarded a fellowship into the American College of Dentists at its recent annual meeting and convocation. Fellowship in the group, the oldest major national honorary organization for dentists, is by invitation and based on leadership in and contribution to the dental profession and society. Houseman has a private general dental practice in Jerseyville, Ill.

Susan (Freedman) Grammer, LW82, was accepted for membership by Leading Lawyers — a resource for locating reputable, experienced lawyers — and is listed in *The 10 Best Family Law Attorneys in Illinois* (2015). She earned a National Leadership Award in 2007. She practices law

with her husband, Gary, in East Alton, Ill. They have three children: Rebecca, DMD, MD; Melissa, MD; and Geoffrey, an attorney.

James E. McDonald, HS82, was recently named chair of the Department of Radiology, College of Medicine, at the University of Arkansas for Medical Sciences.

Erol Morey, LA82, works as a senior analyst for the Joint Chiefs of Staff, U.S. Department of Defense. His responsibilities include evaluating national security space requirements, capabilities, acquisitions programs and policies.

Linda (Knapp) Struckmeyer, OT82, recently earned a doctorate in occupational therapy at Texas Woman's University and was promoted to clinical assistant professor at University of Florida.

Marty Wolk, LA82, joined Amazon Publishing as a senior editorial manager based in Seattle after working many years as a journalist.

William Hunt, EN83, was named chief executive officer of Soap & Chemicals Industrial & Trading Company, Dubai, United Arab Emirates.

Andrew Stumpff, LA83, was elected a shareholder of Butzel Long Attorneys and Counselors. A Fellow of the American College of Employee Benefits Counsel, Stumpff is a longtime employee benefits and executive compensation lawyer.

Alison Van Dusen, EN83, is enjoying a nomadic lifestyle. She works seasonally as a backcountry national park ranger, and she works in developing countries. Being single, Van Dusen writes, makes it easy for her to live this wonderful life.

Donald Bates, FA84, retired from The Boeing Company.

Kevin Johnson, BU84, received the Tweed Webb Lifetime Achievement Award from the Society for American Baseball Research

for his work creating the Negro Leagues Database on the baseball website www.seamheads.com.

Pete Woods, LW84, is managing partner and a business and commercial litigation attorney at the St. Louis law firm Haar & Woods, LLP, which *U.S. News – Best Lawyers* recognized in three practice categories in its 2017 best law firms survey.

Thomas Aiken, GB85, founded Countlogic LLC, an industrial Internet of Things company for building automation. Aiken writes that his WashU graduate business experience was a great foundation for his career. He is married to **Cynthia Nusbaum Aiken**, GB86.

David Matthews, EN85, who returned to the U.S. after two years in China, works for GE Global Research.

Brian Peaslee, EN87, completed his first year as a technical specialist at General Motors Global Propulsion Systems, where he is the principal investigator for wide bandgap power modules. In 2016, he received the GM Winner's Circle Group Award for launching the BOLT electric powertrain, which delivers an electric driving range of more than 230 miles.

Mark "Abba" Abbattista, BU88 — the proud father of Valerie Abbattista, Arts & Sciences Class of '20 — specializes in music/entertainment law representing hard rock and heavy metal musicians. Since competing on *The Amazing Race*, he appears around the country in support of groups and causes including Make-A-Wish, breast cancer research, the Wounded Warrior Project and antibullying.

Heidi Fuchs, LA88, is selling real estate in the South Florida market with Coldwell Banker–Delray Beach. She previously managed sports sponsorships for Office Depot for 14 years.

David Haven Blake, GR89, GR94, recently published *Liking*

Ike: Eisenhower, Advertising, and the Rise of Celebrity Politics (Oxford University Press, 2016).

Blake says the book comes out of the interest in political culture in WashU's Department of English and his studies with Steven Zwicker and Wayne Fields, who opened his eyes to a wide range of historical topics offering research opportunities. Blake met his wife, **Julie Sirkin Blake**, LA89, GR91, while they were at the university.

Theresa Everline, GR89, is a senior writer/editor for Children's Hospital of Philadelphia. Previously, she was editor-in-chief of *Philadelphia City Paper* and editor of *Egypt Today*, an English-language magazine published in Cairo.

Laura (Hromyak) Hendrix, LA89, is general counsel to the speaker of the Kentucky House of Representatives. Previously, Hendrix was general counsel to the Kentucky Legislative Research Commission and the Kentucky Executive Branch Ethics Commission. She lives in Frankfort, Ky., with her husband, Doug, and their three children.

Anne Khademan, GR89, professor and director of Virginia Tech School of Public and International Affairs, was elected to a three-year term on the board of the National Academy of Public Administration. The academy was established by the U.S. Congress to assist government leaders in building more effective and transparent organizations.

Rebecca Sattin, LA89, joined World Software as its chief information officer. Previously, she was director of information technology at Mitchell Silberberg & Knupp LLP. A frequent speaker at national and international legal conferences, Sattin gives continuing legal education presentations on cybersecurity.

The lighter side of parenting

According to her *New York Times*-bestselling book, *Confessions of a Scary Mommy*, when Jill Smokler, BFA '99, found out she was pregnant, she was not excited. "I couldn't be pregnant," she writes. "We lived in a third-floor walk-up downtown; I'd had three vodka tonics last weekend; I was rocking the super short denim skirts; I didn't even like kids for crying out loud." Funny and relatable writing like that is why Smokler's blog about parenthood, *Scary Mommy*, became an Internet phenomenon, attracting millions of readers and leading to two book deals.

"When I started, there were very few people [online] talking honestly about motherhood," Smokler says. "Everything was really pretty glossy and perfect looking."

Smokler started *Scary Mommy* in 2008, after her third child was born. "I had a friend who had started a blog, and it seemed like a decent way not to be the annoying person who is sending out updates with pictures to family members," Smokler says. "I had no idea that there was this whole phenomenon with blogging."

Smokler quickly learned otherwise when a stranger commented on one of her posts. "I was like, 'Who is this person, and why does she care about my life?'" Smokler says. She clicked around and discovered the mommy-blogsphere.

"I would comment on other blogs like it was my job at the beginning," Smokler remembers. "My husband would be like, 'You're not getting paid to comment on these mommy blogs. What are you doing?' I was like, 'I have to! This is how I'm going to get readers!'"

For Smokler, the blog gave her something to do other than being a mom to her three young children and dialed her into a supportive community. "What I love about blogging is the connection with people," Smokler says.

At the time, the family had just moved to a neighborhood that was, according to Smokler, a "terrible fit." Smokler realized the site could be a source of camaraderie and support for other moms, too, but she wanted more than just her viewpoint. She recruited contributors and added an anonymous confessional for "parental sins" — everything from love affairs to accidental (or purposeful) breast milk-consumption. Readers could anonymously like, hug or agree with the original post.

With that and help from social media, readership exploded. In 2011, a literary agent contacted Smokler about writing a book, which was on shelves by *Mother's Day* 2012.

"I didn't sleep," Smokler says of her five-month writing timeline. "I don't sleep anyway, so that was definitely helpful."



Courtesy photo

Bestselling author Jill Smokler, BFA '99, created the popular parenting blog *Scary Mommy* and wrote two books about motherhood.

Confessions of a Scary Mommy: An Honest and Irreverent Look at Motherhood — the Good, the Bad, and the Scary became a best-seller. Smokler appeared on *Today*, did radio and print interviews, and went on a national book tour. By 2013, she had a second book, *Motherhood Comes Naturally (and Other Vicious Lies)*. This time around, though, her publisher was fighting with Barnes & Noble, which pulled her book. Her book tour was canceled.

"The book experience is definitely full of very high highs and low lows," Smokler says. "I had to pick myself up and dust myself off and try to get back in the game." (Lately, Smokler has been dusting herself off again after announcing that she is divorcing her college sweetheart and husband of 23 years, Jeff Smokler, AB '99.)

Smokler returned to her blog, which was demanding even more of her time. "I was not sleeping at all," she says. "I knew something had to give."

In 2015, she sold the site for an undisclosed sum. Smokler still remains president. The voice of the site — though written by a growing number of contributors — is still humorous and relatable. Recent headlines include "Some days, parenting just plain sucks" and "I will never give up cheese — I don't care what your book says."

Scary Mommy still offers moms (and dads) a place to go for support and a bit of humor. "Because as wonderful as motherhood is, it's also the hardest job in the world," writes Smokler in *Motherhood Comes Naturally*. "And we'd all go crazy if we couldn't laugh at ourselves." 🍷

— Rosalind Early, AB '03, is associate editor of this magazine.

90s

Toivo Rovainen, LA90, along with Peter Durham, Mike Stephan and Kari Torkkula, performed the “Buffins” sword dance from Thoinot Arbeau’s *Orchésographie* (Langres, 1589) as an opening act for the Against the Grain/Men in Dance 2016 Festival performances. Rovainen has studied Renaissance dance focused on late 16th-century Italian sources since 2003 and French Baroque since 2007.

Brian Siegel, SI90, writes proudly that his daughter, Rachel, is a member of the WashU Class of 2019.

Deborah Koplovitz, LA91, is a shareholder of Anderson Kill PC, a national law firm. A commercial and real estate litigator, her practice focuses on the representation of cooperatives and condominiums. Koplovitz has two children, Jasmine, 15, and Charles, 8, and lives in New York.

Pedro J. Torres-Díaz, BU91, was named president of the Hispanic National Bar Association. He is a principal at Jackson Lewis, PC, which concentrates on employment discrimination, wage-and-hour counseling and litigation in Florida and Puerto Rico.

Cristina (Villa) Hazar, AR92, is design director for Atlanta Magazine Custom Media, publishers of *Southbound* travel magazine and other tourism-marketing materials for the state of Georgia. She lives with her husband, Okan, and their 7-year-old son, Adrian, in Marietta, Ga. She writes that she would love to hear from her classmates via email or Facebook.

Chris Moman, GB92, was selected for the Federal Senior Executive Service to serve as the component acquisition executive for the U.S. Department of Homeland Security/Immigration and Customs Enforcement.

He is responsible for ensuring that acquisition programs are well-planned and efficiently executed. Moman and his wife, Janette, live in Northern Virginia; their sons, Craig and Carl, are away at college.

Tom G. Reynolds, LW92, was named course director for Boy Scouts of America Northeast Georgia Council’s 2017 Wood Badge course. The course provides adult leaders and scouts alike the opportunity to learn modern leadership theories from contemporary scholars.

Gary Rosenblum, LA92, was named president of Oticon, Inc., a hearing solutions manufacturer. Previously, Rosenblum served as vice president, enterprise customers, for Johnson & Johnson, where he managed medical devices, pharmaceuticals and consumer products for West Coast hospital systems.

(Frances) Afua Bromley, LA93, LA93, has a private practice, Acupuncture Saint Louis & Wellness Center, and serves on the National Certification Commission for Acupuncture and Oriental Medicine’s board of commissioners. She is working on building an integrative clinic in Ghana.

Seth Diamond, BU93, is a real estate agent with Keller Williams, covering Bergen and Passaic counties in New Jersey.

Jay Turner, SI93, was among 100 St. Louis–area educators who received a 2016 Emerson Excellence in Teaching Award. Turner is a vice dean for education and an associate professor in WashU’s School of Engineering & Applied Science. This annual award recognizes educators who teach at the secondary and undergraduate levels for their passion for teaching, their impact on student learning, and their knowledge and creativity.

Arnor Bietvedt, GF94, showed 10 recent abstract expressionistic paintings at a group exhibition at Gloria Delson Contemporary Arts Gallery in Los Angeles.

Steven Lange, LA94, earned an executive MBA degree from the University of Texas at Dallas. A business case study that he co-authored with Mike W. Peng, “Huawei Deals with Liability of Foreignness,” appeared in the fourth edition of Peng’s textbook *Global Strategy* (South-Western Publishing Company, 2016). Lange works and resides in Dallas.

Katy Palmer, GM95, was named chief solutions officer at Market Strategies International, in Livonia, Mich. She continues to serve as managing director of the company’s health division.

Mark Pottinger, LA95, was awarded a residential fellowship at the Hans Arnhold Center by the American Academy in Berlin. During his residency, he is completing his book on the connection between science and the supernatural in early 19th-century opera, *Romantic Science: Nineteenth-Century Opera in the Age of Becoming*.

Federico Sacerdoti, EN98, moved to London in 2016.

Jessica (Volk) Strausbaugh, BU98, was named Woman of the Year in Investment Management by *Institutional Investor* magazine.

Patricia Widder, SI98, was among 100 St. Louis–area educators to receive a 2016 Emerson Excellence in Teaching Award. Widder is a senior lecturer in biomedical engineering in WashU’s School of Engineering & Applied Science. This annual award recognizes educators who teach at the secondary and undergraduate levels for their passion for teaching, their impact on student learning, and their knowledge and creativity.

Marie Winfield, LA98, EN99, was elected president of the East

Harlem/El Barrio Community Land Trust board of directors in spring 2016. She is proud to lead the NYC–based organization in its mission to preserve low-income affordable housing permanently in East Harlem and to help pave the way for emerging community land trusts in New York City.

Joni Kamiya, OT99, studied as a fellow of the Cornell Alliance for Science. The alliance seeks to promote access to technology and evidence-based policies as a means of enhancing food security, improving environmental sustainability and raising the quality of life globally.

Stephanie Ellis Schlaifer, LA99, FA99, had her first book of poems, *Cleavemark*, published (BOAAT Press, 2016). Schlaifer’s poems have appeared in *Colorado Review*, *Fence* and *Chicago Review*. Her writing and visual art can be viewed at criticalbonnet.com.

00s

Amanda (Hamilton) Furlotti, LA00, and **Mike Furlotti**, EN01, GR01, announce (very belatedly) the birth of Zoe Jane in October 2013. The family resides in Marin County, Calif.

Alison (Kirshner) Kalinski, LA00, joined Liebert Cassidy Whitmore, representing schools and public agencies in employment and education law. Kalinski and her husband, Jonathan, welcomed Serena Ann in July 2016. Serena’s brother, Nolan, is 3 years old.

Frederick Tsai, BU00, and Leslie Lang were married March 18, 2017, in San Francisco. Two dozen WashU alumni (mostly from the Class of 2000) from around the country attended the wedding, which was held at Grace Cathedral and officiated by the **Rev. Eric Lobsinger**, LA00, LW03. The reception was held at the University Club of San Francisco and featured a high-flying

Designing safer streets

Michael King, AB '87, has left an imprint on cities around the globe, from Abu Dhabi to Buenos Aires to Chicago.

King styles himself as a “traffic calmer” and works to make not only cities more livable but also their streets and public spaces more efficient, safer and better prepared for the future. He has helped reinvent the way we view urban environments and literally wrote the book on new street-design guidelines that traffic engineers are adopting across the United States.

“I’m trained as an architect, but at the end of the day, I’m not interested in buildings,” King says. “My thing is the space between the buildings.”

When cars first became popular in the 1920s, cities began to regulate their use through strict speed limits and parking restrictions. Realizing the impact this would have on its business model, the automotive industry countered with highway-design guides. After World War II, entire sections of cities and suburbs were designed or redesigned for cars and highways, largely with federal funding.

“They bulldozed huge swaths of cities to build highways, and street design was given over to the highway guys because that’s who had written the regulation books,” King says. “I’ve been trying to invert that paradigm. What we need are street-design guidelines because there’s a fundamental difference between the two.”

King co-wrote the urban street-design guide for the National Association of City Transportation Officials and authored Chicago’s complete-streets guidelines. Further, he has helped write guides for cities like Abu Dhabi and Toronto.

After graduating from WashU with a bachelor’s degree in architecture in 1987, King earned a master’s degree of architecture from Columbia University. He then worked five years as the director of traffic calming for the New York City Department of Transportation.

Traffic calming — an urban-design approach that tries to reduce traffic and improve safety for motorists, pedestrians and cyclists — popped up in the Netherlands in the 1960s with speed humps and the concept of a “living street” with pedestrians and cyclists as the focus. This can have a major impact, because studies have shown that people living on quieter streets tend to have more friends. King started a speed-hump program in New York City, the largest program of its kind in the country at the time.

“Traffic calming is essentially a Band-Aid. It’s a reaction to streets and subdivisions that have been planned as mini-highways,” he says. “It was and continues to be a way



Jennifer Weisbord, BFA '92

Michael King, AB '87, has worked in cities around the globe to improve urban and street design. He’s a “traffic calmer,” making streets safer for pedestrians, cyclists and motorists.

to counteract the prevailing trend of misuse of road space through design. It’s evolved into street design because people have just now incorporated traffic calming into the design of the street from the get-go.”

Currently, King leads the Mobility Group for the Americas at BuroHappold Cities, an international engineering consultancy. Part of his job is using data — like the type of and frequency of emojis on social media related to someone’s personal experience in a city — and modeling software to better understand what makes good urban design and what people want out of their public spaces.

“Everyone’s interested in big data,” he says. “We can get all this data and map it and then start to let that influence or help designers and the spatial design of places, from airports to plazas, wherever there are people.”

Even though he has worked on every continent except Australia and Antarctica, King still has connections to St. Louis. In 2010, he helped redesign a section of South Grand Boulevard. Plus, King credits his alma mater with giving him some of the inspiration and communication skills to design internationally.

“The architecture education at WashU was first rate, and professors really made you think,” King says. “Architecturally, and for urban design, St. Louis is a gold mine. It was advantageous for me to be there and to exist in that space.” 🏡

— Alex Dropkin, AB '12, is a freelance journalist in Austin, Texas.

WashU flag, thanks to the help of Jamie Hansen, WashU's executive director of regional development programs.

John Bone, LA01, LW04, got married and joined Viacom as director of global compliance. He supports the department in investigations and conflicts-of-interest reviews among other matters.

Kathleen Sanker, GF01, who teaches art and photography at St. Charles Community College, was among 100 St. Louis-area educators to receive a 2016 Emerson Excellence in Teaching Award. This annual award recognizes educators who teach at the secondary and undergraduate levels for their passion for teaching, their impact on student learning, and their knowledge and creativity.

David Soffar, LA01, earned a master's degree in biotechnology in May 2016 from Columbia University Graduate School of Arts and Sciences. He has worked 14 years at Memorial Sloan-Kettering Cancer Center.

Ronald Stach, PMBA01, is senior vice president of sales at Volkswagen of America.

Emily Weber, LA01, an attorney with Brownstein Hyatt Farber Schreck, was elected to WeeCycle's board of directors. As a board member, Weber advocates in the community for the organization and promotes awareness of its services.

Tiffany (Spriggs) Cruz, EN02, LW08, was selected for the American Bar Association Tort Trial & Insurance Practice Section's 2016-17 Leadership Academy. Tiffany — along with her husband, **Justin Cruz**, LW10, and 5-year-old son, Julian Nicholas — welcomed Zaya Simone in February 2017.

Rebecca (James) Pike, SW02, was married in December 2016. She is senior director of organizational effectiveness and engagement for Pi Beta Phi Fraternity for

Women, based at the group's Town and Country, Mo., headquarters.

Barry Tobias, EN02, SI03, had a very busy 2016. He was married in January, moved into a new home in August and finished the Kona Ironman World Championship race in October. He and his wife welcomed a baby boy, Remy Avital, in March of this year.

Shana (Fromkin) Sexton, SW03, is the clinical social worker at the Adult Down Syndrome Center, a primary clinic that uses a team approach to provide comprehensive, holistic community-based health-care services to adolescents and adults with Down syndrome. She lives in Evanston, Ill., with her husband, Paul, and their toddler, Caleb.

Erin M. (Gossett) Anderman, LA04, was elected partner at Nutter McClennen & Fish LLP, where she focuses her practice on corporate and securities law matters, counseling public and private companies in financing transactions, securities law compliance, mergers and acquisitions, and corporate governance issues.

Gretchen (Widmer) Paine, LA04, was promoted to partner at Perkins Coie LLP. As a member of the firm's Seattle-based product liability law practice, she defends clients in major aviation incidents and handles premises liability injury claims, toxic exposure claims and commercial disputes involving manufacturers.

Reggie Rucker, BU04, was named to *The Modesto Bee's* 20 Under 40 list of young leaders who are making an impact on the future of Modesto, Calif. This recognition followed the expansion of Rucker's social media marketing agency, Engaged by Reggie Rucker, and his role in the production of Modesto's first Fashion Week in September 2016.

Chris Iavarone, LW05, was promoted to partner at Womble

Carlyle Sandridge & Rice, LLP. He focuses his Washington, D.C., practice on secured financing, development, acquisitions, dispositions and leasing of real property.

Ted Jackson, GR05, GR10, is director of finance and administration for Reconciling Ministries Network.

Jeremy Shir, LA05, a lawyer-lobbyist for Becker & Poliakoff, was appointed to a three-year term on the board of directors of the Greater Hollywood Chamber of Commerce.

Pamela (Bookbinder) Clarke, LA06, was recently promoted to vice president of recruitment at Achievement First, a network of 32 nonprofit, college-preparatory K-12 public charter schools in New York, Connecticut and Rhode Island. Earlier, she served as a 2006 Teach For America Corps member in New York.

Sara Eader, BU06, works in Condé Nast's Consumer Marketing Department as associate director for the publishing house's *GQ*, *Bon Appétit* and *Golf Digest* magazines.

Andreas Triantafyllou, GR06, is teaching modern Greek language at Hellenic College Holy Cross Greek Orthodox School of Theology, in Brookline, Mass.

Jennifer Gormley, LA07, was married to Jacob Scribner in March of this year. As volunteer and community engagement manager for the Lawrence (Kan.) Humane Society, she is involved in redesigning the organization's volunteer program and managing its 300-plus volunteers.

Elizabeth Schotter, LA07, is an assistant professor in the psychology department at the University of South Florida.

John Elder, LA08, wrote a computer programming book, *Intro to Ruby Programming: Beginners Guide Series* (Codemy.com, 2016).

Joel Geerling, MD08, GM08, is an assistant professor of

neurology at the University of Iowa Hospital and Clinics.

Bencai Gong, EMBA08, is president of PetroChina International Companies in Indonesia. The company produces the equivalent of 100,000 barrels of gas and oil a day.

Jorge Moreda Marcos, EN08, SI12, is pursuing a doctoral degree in industrial engineering at the University of Arkansas.

Stephanie (Sibilia) Matthews, LA08, earned a master's degree in business from Indiana University's Kelley School of Business in May 2016. She and her husband relocated to Dallas, where she works for AT&T as a member of the Leadership Development Program.

Stephanie Purisch, LA08, and her husband, **Justin Barstein**, BU08, reside in New York. The WashU alums were married in September 2016.

Jessica Senne, GA08, who teaches interior design at Maryville University, was among 100 St. Louis-area educators to receive a 2016 Emerson Excellence in Teaching Award. This annual award recognizes educators who teach at the secondary and undergraduate levels for their passion for teaching, their impact on student learning, and their knowledge and creativity.

Jessica Thornton, GF08, had her work displayed in a Lyme Academy College of Fine Arts exhibition, *Metamorphosis: LYME Alumni with a Master of Fine Arts Degree*.

Kathryn (Kilberg) D'Agostine, LA09, previously an attorney in Boston, has changed careers and relocated. She now is a copywriter in New York.

Joe Hodes, PMBA09, and his wife, Mary Catherine, welcomed twin girls in January 2016, bringing their family to nine. Joe continues to work for the National Corn Growers Association, helping

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The Emma Showman Memorial Scholarship — established in 2005 through the estate of Winfred Showman, MD '21, and Emma Thompson Showman — honors her memory by providing support for students majoring in education in

Arts & Sciences. To date, 25 Showman scholars have benefited from this generous bequest.

The Norvell C. Brasch Memorial Scholarship — established in 1974 by Jerome F. Brasch, EN '44, SI '47, and Rosalie Brasch — is one of seven founding scholarships in the School of Engineering & Applied Science. Endowed through the assets of a charitable life income plan, the scholarship will continue to benefit engineering students for generations to come.

To learn how you can establish an annual or endowed scholarship through your estate plan, life income plan or other planned gift, contact the Office of Planned Giving at **800-835-3503** or visit **plannedgiving.wustl.edu**.

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Consult your legal and tax advisers before making a charitable gift.



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farmers increase demand and manage a difficult time of corporate mergers and depressed prices.

10s

Delany Allen, LA10, is pursuing a doctorate in English and creative writing at the University of Wisconsin-Milwaukee, where she is an Advanced Opportunity Program Fellow and a teaching assistant in American Indian studies. Allen is the founder of Apiary Lit editorial services (apiarylit.org) and *Anthropoid* literary magazine (anthropoid.co).

Cecilia (Zappa) Harry, SW10, executive director of the Greater Fremont (Neb.) Development Council, is a featured economic developer in a video produced for the International Economic Development Council, available at <https://www.youtube.com/watch?v=VVslMXSAV4>.

Sam Coster, LA12, founded Butterscotch Shenanigans with two of his brothers. “Crashlands,” an app they developed, was named to *Time* magazine’s list of Top 50 Apps of 2016. “Crashlands” is a story-driven video game in which players scoop up rewards on the battlefield, drag them back to their base and then turn them into cool, usable objects.

Caitlin Gillespie, LA12, earned a master’s degree in public health focusing on global health. She spent last summer working with community rural health workers in Kenya to improve maternal and child health.

Joseph Marcus, LA12, graduated from Emory School of Medicine, was promoted to captain in the U.S. Air Force and started an internal medicine residency.

Julianne Gagnon, LA13, is an environmental educator for a small environmental nonprofit in Denver.

Diane Hemphill, GR13, was inspired by Cory Booker’s 2013

Commencement speech and now works as a Peace Corps adviser to nongovernmental organizations. An altruist who has spent more than 20 years in volunteer activities, Hemphill previously worked in primary education in the University City (Mo.) School District, applying her skills in arts and crafts, creative writing, film and television, and photography.

Casey Hochberg, BU14, was featured in *Huffington Post*’s “Women in Business Q&A.” Hochberg works at BrandFire, a New York-based agency specializing in the development of creative platforms for national and global brands.

Kathryn Jacobs, LA14, earned a master’s degree in biochemistry at Université Pierre et Marie Curie, in Paris. She is currently pursuing a doctorate at Université de Nantes (France), where she is studying the vascular environment of cancer stem cells in glioblastomas.

Elizabeth Peters, LA14, is pursuing a master’s degree in health and social behavior at Harvard T.H. Chan School of Public Health.

Mark Sutherland, UC14, Missouri Partnership’s VP of market strategies, was appointed as a GlobalScot by the first minister of Scotland. A worldwide network of some 600 business leaders, entrepreneurs and executives with a connection to Scotland, GlobalScot works to help Scottish businesses develop and succeed in the international marketplace. Sutherland is the 198th GlobalScot appointed in North America since the group’s inception in 2001.

Steven Babcock, PT15, is a staff physical therapist at Hennepin County Medical Center in Minneapolis.

Katherine Chang, LA15, wrote *Thrive: An Environmentally Conscious Lifestyle Guide to Better Health and True Wealth* (Purpose Prints, 2016) under the pen name

K. Chayne. She writes that she is grateful to Washington University for inspiring her to write the book.

Matthew Pollard, SI15, SI16, works as an oil and gas pipeline environmental engineer for a Denver engineering consulting firm.

Vanessa Woods, UC15, started a small business, Vitality Ballet, LLC (www.vitalityballet.com), which allows her to combine her unique skills as professional ballet dancer and teacher with her marketing degree from WashU. She writes that the contacts she made at University College are still helping her today as she works to grow her business.

Sarah Eichinger, LA16, has undertaken a yearlong service with Jesuit Volunteer Corps, working with St. Vincent de Paul Medical & Dental Clinic, in Phoenix.

Celia Hensey, LA16, has undertaken a yearlong service with the Jesuit Volunteer Corps Northwest, working with Columbia Gorge Ecology Institute, in Hood River, Ore.

James Hobi, GL16, is an adjunct professor of American federal government at Rose State College in Oklahoma City, Okla.

Matthew Ludwig, EN16, is a fluid systems engineer at General Dynamics Electric Boat.

Anna Sippel, BU16, is a professional services analyst at NetSuite. A former WashU varsity soccer player, Sippel still follows the team closely.

In Memoriam

1930s

Lena (Swimmer) Dworkin, LA36; Dec. ’16 • **George O. Chester**, EN38; Oct. ’16 • **Sylvia (Ratz) Fales**, LA38; Feb. ’17 • **Helen (Thomas) Olson**, LA38; Nov. ’16 • **Herman B. Waldman**, LA38; Sept. ’16 • **Doris (Armbruster)**

Orabka, LA39; Feb. ’17 • **Lois (Rosenthal) Ross**, LA39; Dec. ’16

1940s

Ida (Morgan) Mariz, LA40; Oct. ’16 • **Sterling P. Newberry**, GR40; Jan. ’17 • **Ruth (Goerlich) Sherwin**, UC40; Sept. ’16 • **William A. Wadsack**, EN40; Oct. ’16 • **Cecile (Koven) Lowenhaupt**, LA41; Feb. ’17 • **Mary (Scott) Baker**, LA42; Nov. ’16 • **Marjorie (Johnson) Fleming**, LA42; Nov. ’16 • **Martha (Zollman) Ohlemeyer**, FA42; Dec. ’16 • **Richard A. Preston**, MD42; Sept. ’16 • **Virginia (Merrills) Anthes**, LW43; Dec. ’16 • **Frank X. Dwyer**, MD43; Feb. ’17 • **Charles X. Fullenwider**, MD43; Oct. ’16 • **Margaret (Schutz) Gordon**, LA43, SW44; Oct. ’16 • **Elizabeth (Jones) Hinde**, BU43; Dec. ’16 • **Aileen (Lewis) Sharpe**, BU43; Dec. ’16 • **Marian (Swoboda) Sniffen**, LA43, GR50; Nov. ’16 • **Burton Weenick**, EN43; Oct. ’16 • **Melvin H. Becker**, LA44, MD50; Dec. ’16 • **Mary (Bartlett) Conrades**, LA44; Feb. ’17 • **Jack L. Newman**, EN44; Jan. ’17 • **Rosalie (Rosenberg) Scallet**, LA44; Sept. ’16 • **Phyllis (Stewart) Schlafly**, LA44, LW78, GR08; Sept. ’16 • **Dorothea (Simpson) Sullivan**, UC44; Sept. ’16 • **J. Richardson Usher**, LA44, GR47; Feb. ’17 • **James T. Good**, MD45, HS46; Sept. ’16 • **Clarence G. Schulz**, MD45; Nov. ’16 • **Mary (Park) Starck**, LA45; Feb. ’17 • **Ruth (Heino) Haladyna**, LW46; Sept. ’16 • **Albert Lebowitz**, LA46; Sept. ’16 • **Lelia (Fonyo) Murek**, LA46; Oct. ’16 • **Kenneth S. Teel**, LA46, GR50; Oct. ’16 • **Shirley (Schumacher) Eichler**, SW47; Sept. ’16 • **Edith (Kirby) Heard**, LA47; Dec. ’16 • **Ann Hunt**, LA47, MD51; Oct. ’16 • **Albert H. Lindemann**, GR47; Feb. ’17 • **Lillian (Foster) McDonald**, FA47; Oct. ’16 • **John F.**

Unexpected innovation

Running a startup at the cutting-edge of ALS research isn't how Mike Keymer, BS '98, expected to use his degree in civil engineering.

But ever since his undergraduate years at Washington University, Keymer has found himself organizing people around a common vision. First, as Thurtene Carnival construction chair for Sigma Alpha Mu, he led his peers in building unconventional façades.

"You're working completely with volunteer labor to get this done in a week, and it's a ton of work," Keymer recalls. "It was a really good learning experience about how to set a vision to inspire a workforce."

After graduating, Keymer earned a master's degree in construction management from MIT and moved to Washington, D.C., to work for Morse Diesel International, a general contractor. One of his early projects was helping reconstruct the Pentagon after it was struck on 9/11.

Planning to go into real estate development, Keymer headed to Northwestern University to study business. After earning an MBA, however, he went to work for a government contractor that makes tech that analyzes shape patterns, like handwriting and fragments of fingerprints — the "type of stuff you would see on *CSI*, but that didn't really exist at the time," Keymer says. One of his jobs was finding wider market appeal for the technology.

In 2012, he co-founded Topspin Labs, an incubator that helps companies create spinoffs. Topspin works with organizations whose technologies have been proven in one industry but could have potential business applications in another. Those companies can come to Topspin, and if the idea seems viable, the two will partner to co-found a startup. Keymer and his team step in to lead that startup in its initial stages, and then they transition the growing company into the hands of new leaders for the long term.

One of those new startups is Origent Data Sciences, which is using data science to improve clinical research for neurological and neuromuscular diseases such as ALS and Parkinson's disease. Origent's technology models how a patient's symptoms are likely to progress, based on many factors of the patient's disease. Researchers can then tell if a subject is responding to the drugs they're testing, or if the disease progression simply slowed naturally.

Keymer has been Origent's CEO since 2013, and its technology is already being used in human clinical trials.

"It's heavy scientific, mathematical work, and it's working in an industry that doesn't adopt new technologies in a very fast



Andres Alonso

Mike Keymer, BS '98, founded Topspin Labs, which partners with organizations to find other applications for their technology and create a startup around that new use.

way," Keymer says. "But with a small team, we've done a lot of powerful work in a short period of time."

Origent has developed predictive models for a dozen symptoms, created methods to optimize the success of human clinical trials and helped accelerate cures getting to market. Origent is also branching out to accelerate clinical trials in other diseases such as Huntington's and Alzheimer's and to help doctors use predictive models for improving patient care.

Keymer leads a team of developers and data scientists, managing business development, accounting, human resources and other operational responsibilities.

"We're very much in the phase of figuring out our niche," explains Dave Ennist, Origent's chief science officer. "Mike's a terrific person to be doing that, because he takes in all the views, synthesizes them and then gives back what he thinks."

For now, Origent and Topspin are just some of many things keeping Keymer busy. He lives in Arlington, Virginia, with his wife, Kimberly, BA '99, and their 7-year-old daughter, Loren.

Keymer hopes to continue growing Origent into a major business, but he's prepared to hand over the reins.

"When it gets to a certain stage, I know it will be the right time for me to step aside for someone else to grow it faster than I'm able. My job will then be to start working on the next company," Keymer says. — Michael Tabb, AB '14, is a video journalist based in Brooklyn, New York.

Mueller, SW47, SW52; Feb. '17 • **Harold E. Poth**, FA47; Feb. '17 • **Charlotte (Thuenen) Raith**, AR47; March '17 • **Beverly (Ralph) Tiemann**, LA47; Nov. '16 • **Joseph H. Allen**, MD48; Sept. '16 • **Irving Applebaum**, BU48; Sept. '16 • **Aaron M. Bernstein**, LA48, HS73; Nov. '16 • **Aaron Birenbaum**, MD48; Nov. '16 • **Arline (Perlmutter) Brilliant**, LA48; Dec. '16 • **Ernest J. Clark**, MD48; Nov. '16 • **Jeanette (Schear) Cohen**, FA48; Oct. '16 • **Hanley D. Cohn**, EN48; Jan. '17 • **Harriet (Arey) Davidson**, LA48; Jan. '17 • **Leo A. Eason**, GR48; Sept. '16 • **Claire (Pistor) Hoener**, FA48; Sept. '16 • **Radine (Horwitz) Israel**, BU48; Dec. '16 • **Dolores (Shoulders) Moore**, PT48; Feb. '17 • **Betty (Boehringer) Petrofsky**, NU48; Jan. '17 • **Arthur W. Ronat**, EN48; Feb. '17 • **Joan (Flavin) Schierholz**, BU48; Sept. '16 • **Joseph H. Senne**, EN48; Dec. '16 • **Edward M. Canda**, BU49; Sept. '16 • **Elizabeth (Cavanagh) Cohen**, SW49; Sept. '16 • **Gene L. Cummins**, UC49; Feb. '17 • **Vernon L. Edelman**, EN49; Dec. '16 • **Anita (Kendall) Eftimoff**, LA49; Oct. '16 • **Jane (Olmsted) Irwin**, UC49, GR50; Dec. '16 • **Robert E. Jenkins**, LA49; Feb. '17 • **Carl M. Jordan**, LA49; Jan. '17 • **Theodore M. Komen**, BU49; Nov. '16 • **Frank J. Lahm**, EN49; Sept. '16 • **Vernon M. McAllister**, BU49; Jan. '17 • **Charles L. McGehee**, BU49; Oct. '16 • **Robert E. Ries**, BU49; Jan. '17 • **William G. Skinker**, BU49; Jan. '17 • **C.C. Spiegelhalter**, BU49; Dec. '16 • **Ruth E. Werner**, OT49; Jan. '17

1950s

Edward H. Borman, BU50; Sept. '16 • **Frederick K. Boyd**, UC50; Feb. '17 • **Frances (Furbringer) Brown**, LA50; Jan. '17 • **Ruth (Cerf) Comens**,

MD50; Feb. '17 • **Patricia (Broeder) Dwyer**, AR50; Jan. '17 • **Robert C. Gill**, BU50; Oct. '16 • **Robert A. Groth**, EN50; Nov. '16 • **C. Richard Hullihen**, BU50; Nov. '16 • **Robert C. Johnson**, LA50; Dec. '16 • **Ruth (Mayer) Kamphoefner**, LA50; Oct. '16 • **Warren F. Link**, EN50, SI51; Oct. '16 • **Francis X. Offner**, LA50; Feb. '17 • **Robert C. Pfister**, EN50; Jan. '17 • **Lloyd H. Ramsey**, MD50; Oct. '16 • **Lorenz M. Sarlo**, LA50; Jan. '17 • **Bernhard O. Schuler**, BU50; Feb. '17 • **Thomas B. Shearman**, EN50; Nov. '16 • **L.D. Slane**, DE50; Jan. '17 • **Herbert Sunshine**, LA50, MD54, HS56, HS61; Dec. '16 • **Odette (Goodman) Teel**, UC50; Feb. '17 • **James E. Westbury**, UC50, GR52; Jan. '17 • **Frank L. Bierman**, EN51; Nov. '16 • **Jewell (Mordt) Hannar**, UC51; Sept. '16 • **Robert J. Hrebec**, UC51; Dec. '16 • **Roanne (Roeyer) Hunt**, LA51, GR53; Feb. '17 • **Carl G. Johnson**, EN51; Nov. '16 • **Kenneth E. Lackey**, UC51; Oct. '16 • **Raymond C. Lartz**, BU51; Jan. '17 • **Kathryn (Defler) Lavrich**, MD51; Nov. '16 • **Eugene E. Palmer**, UC51; Nov. '16 • **Helene (Cohn) Reitman**, LA51; Oct. '16 • **Edward A. Ruhlman**, UC51, GB62; Oct. '16 • **Patricia (Clements) Schoen**, GB51; Feb. '17 • **Edwin S. Taylor**, EN51; Dec. '16 • **Donald A. Wachter**, EN51; Sept. '16 • **Eric I. Anderson**, MD52; Jan. '17 • **Richard V. Bradley**, MD52; Jan. '17 • **Donald J. Brockschmidt**, EN52; Nov. '16 • **Virginia (Young) Fuchs**, LA52; Dec. '16 • **Sarah (Richards) Gnaegy**, LA52; Oct. '16 • **S. Ashby Grantham**, LA52, MD55; Sept. '16 • **Howard R. Gray**, MD52, HS; Feb. '17 • **Donald A. Hoeman**, BU52; Dec. '16 • **Vernon E. Koester**, EN52, UC80; Feb. '17 • **Otto R. Kosfeld**, EN52, SI59; Oct. '16 • **Genevieve (Cole)**

McKee, UC52; Dec. '16 • **Paul E. Muckerman**, EN52; Oct. '16 • **J. Parke Randall**, AR52; Sept. '16 • **Donald F. Salzman**, EN52; Oct. '16 • **Charles R. Scarlett**, LW52; Jan. '17 • **Harvey R. Siegel**, EN52, SI66; Jan. '17 • **Gordon C. Thompson**, DE52; Oct. '16 • **Sally (Turk) Tranin**, SW52; Feb. '17 • **James C. Walker**, GA52; Oct. '16 • **Lawrence Winkler**, LA52, GR54; Dec. '16 • **Zanvel A. Zack**, FA52; Sept. '16 • **Henry E. Blaine**, EN53; Oct. '16 • **Robert E. Funk**, LA53; Nov. '16 • **Robert S. Harris**, LA53, LW59; Feb. '17 • **Donald L. Krieg**, BU53, GB64; Dec. '16 • **Antoinette (Roeper) Mueller**, LA53; Dec. '16 • **Richard W. Schaubert**, EN53, SI58; Dec. '16 • **James E. Spears**, BU53; Jan. '17 • **Wayne J. Stumph**, BU53; Oct. '16 • **Robert D. Winship**, MD53; Sept. '16 • **Patsy (Bledsoe) Allen**, NU54, NU55; Sept. '16 • **Betty M. Bone**, GR54; Jan. '17 • **Sandor B. Brent**, LA54; Dec. '16 • **Henry R. Dallam**, DE54, GD64; Jan. '17 • **William E. Derrah**, GR54; Oct. '16 • **Floyd M. Freeman**, DE54; Feb. '17 • **Grant A. Korkoyan**, BU54; Jan. '17 • **Gerald B. Lee**, LA54; Sept. '16 • **Richard I. Marblestone**, BU54; Jan. '17 • **Gerald L. Smythe**, BU54; Dec. '16 • **Joseph E. Steinhart**, EN54; Dec. '16 • **Nita (Burnett) Watson**, BU54; Dec. '16 • **John C. Whitsell**, MD54; Oct. '16 • **Roxey C. Young**, AR54; Feb. '17 • **Louis I. Bartig**, FA55; Jan. '17 • **Cameron L. Clemens**, SW55; Jan. '17 • **Margaret (Twomey) Counce**, GR55; Sept. '16 • **Robert D. Dienstbach**, EN55; Feb. '17 • **Virgil W. Fittje**, HA55; Oct. '16 • **Robert F. Jehle**, BU55, GB 56; Jan. '17 • **Thomas B. King**, BU55, GR60; Sept. '16 • **Ruth (Baer) Lynch**, NU55; Nov. '16 • **Robert C. Saltsman**, BU55; Nov. '16 • **Frank L. Singer**, SW55; Nov. '16 • **Frank L. Stanton**, FA55; Oct. '16 • **Lewis**

B. Ambler, LA56, LW 59; Nov. '16 • **John W. Drake**, MD56; Nov. '16 • **Pearlie (Ingram) Evans**, SW56; Nov. '16 • **Benjamin C. Kettler**, LA56, GR61; Feb. '17 • **Frances (Thomas) Martin**, FA56; Jan. '17 • **George P. Massengale**, LA56, GR64; Dec. '16 • **Carolyn (Warner) Scholten**, NU56; Feb. '17 • **Ethelee (Ray) Smith**, MD56; Sept. '16 • **Stanley B. Smith**, MD56; Nov. '16 • **Patricia (Bailey) Waterfield**, PT56; Sept. '16 • **Jacob H. Wolf**, LA56; Oct. '16 • **Robert T. Carty**, UC57; Feb. '17 • **Terryl W. Francis**, LW57; Oct. '16 • **Dwayne R. Good**, DE57; Dec. '16 • **Ronald M. Lending**, LA57, LW57; Feb. '17 • **Helen (Markmann) McDonnell**, LA57; Oct. '16 • **Edward V. McMullin**, EN57; Nov. '16 • **Roy A. Pelster**, BU57; Oct. '16 • **Robert R. Thompson**, GR57; Sept. '16 • **Ernest A. Verreos**, BU57; Nov. '16 • **Guy H. Allison**, LW58; Oct. '16 • **William T. Diven**, UC58; Sept. '16 • **Victor J. Dunajcik**, UC58; Oct. '16 • **Eugene Forster**, EN58; Dec. '16 • **Joseph K. McKinney**, MD58; Nov. '16 • **John A. Nirider**, EN58; Oct. '16 • **Richard H. Pippert**, BU58; Dec. '16 • **Ronald R. Roemer**, BU58; Sept. '16 • **Stratford D. Simpson**, DE58; Sept. '16 • **Betty (McKee) Von Rump**, PT58; Feb. '17 • **James P. Connaughton**, GB59; Dec. '16 • **Judith (Underwood) Dittrich**, BU59; Oct. '16 • **Loren E. Egley**, UC59; Oct. '16 • **J. Michael Kenski**, BU59; Jan. '17 • **Betty (Gomez) Lance**, GR59; Sept. '16 • **Robert E. Rolling**, EN59; Sept. '16 • **Samuel R. Rondberg**, LA59; Feb. '17 • **Marvin A. Sher**, EN59; Oct. '16 • **Robert A. Soskin**, GR59; Jan. '17

1960s

Laverne M. Bunting, LA60; Feb. '17 • **Stan Gellman**, BFA60; March '17 • **Eugene J. Mackey**,

AR60, AR62; Nov. '16 • **Richard H. Palmer**, EN60; Nov. '16 • **Dorothea (Magos) Reid**, FA60; Feb. '17 • **Robert N. Sanders**, GR60; Oct. '16 • **Harold L. Whitfield**, BU60, LW66; Sept. '16 • **James M. Augur**, AR61; Sept. '16 • **Mary O. Dempsey**, GN61; Sept. '16 • **Thomas F. Harmon**, LA61, GR71; Nov. '16 • **Lawrence H. Hudson**, GR61; Dec. '16 • **Patricia (Everett) Lacks**, LA61, GR62, GR66; Dec. '16 • **Michael J. Perley**, MD61; Sept. '16 • **Collyn F. Schmidt**, GN61; Oct. '16 • **Sarah S. Stone**, LA61; Dec. '16 • **William M. Taggart**, UC61; Dec. '16 • **Harry J. Varwig**, AR61; Jan. '17 • **David J. Winston**, EN61; Sept. '16 • **Kunchoon Yu**, EN61; Dec. '16 • **Paul A.R. Beyreuther**, LA62, GB64; March '17 • **Ralph P. Woods**, LA62; Nov. '16 • **John J. Barnes**, LW63; Jan. '17 • **Kristine (Zahm) Barr**, LA63; June '16 • **Shep Cohen**, MD63; Oct. '16 • **Joann Gellman**, NU63; Nov. '16 • **Robert L. Harre**, BU63, GB68; Oct. '16 • **Marilyn (Less) Hoffman**, LA63; Sept. '16 • **Clarence J. Howard**, EN63; Oct. '16 • **Floyd M. Pruett**, UC63, UC75; Sept. '16 • **Robert M. Rock**, SI63; Jan. '17 • **Jean Salg**, UC63, GB72; Nov. '16 • **Charles H. Stegmeyer**, BU63, LW66; Jan. '17 • **Anastasia H. Arger**, LA64; Sept. '16 • **Allan P. Fishbein**, MD64; Sept. '16 • **Lois (Levin) Fitter**, UC64; Nov. '16 • **Clarence W. Hunter**, UC64; Jan. '17 • **William A. Manna**, UC64, UC68; Sept. '16 • **John Mickleto**, TI64; Dec. '16 • **Patricia A. Russell**, BU64, GB65; Sept. '16 • **John L. Vogelsang**, BU64, GB72; Jan. '17 • **John M. White**, SI64; Nov. '16 • **Thomas W. Yager**, DE64; Feb. '17 • **Ed Glock**, UC65, UC76, UC79; Dec. '16 • **Donald E. Igelsrud**, GR65; Jan. '17 • **Carl E. Lampe**, FA65; Dec. '16 • **Lawrence V. Mansell**, DE65; Feb. '17 • **Mary**

(Thiede) Shapiro, GN65; Feb. '17 • **Nancy (Davidson) Shestack**, GR65; Sept. '16 • **Helen M. Horn**, UC66; Sept. '16 • **William F. Hulub**, GR66; Oct. '16 • **Carol (Spencer) Luketich**, LA66; Nov. '16 • **Norman Prince**, SW66; Jan. '17 • **Marsha (Kramer) Schwesig**, LA66; Oct. '16 • **Paul R. Taggart**, EN66; Oct. '16 • **Barbara A. Bohne**, LA67, GR71; Jan. '17 • **Alan L. Brodsky**, MD67; Sept. '16 • **Carolyn (Robbins) Dulin**, UC67; Feb. '17 • **George B. Gottemoeller**, LA67; Feb. '17 • **John Hered**, MD67; Oct. '16 • **Harold J. Katzin**, GA67; Oct. '16 • **Charles B. Manley**, HS67; Nov. '16 • **Duane P. Mehl**, GR67; Nov. '16 • **William M. Seymour**, GR67; Feb. '17 • **Richard E. Sutter**, TI67; Feb. '17 • **Martin A. Wyka**, UC67; Feb. '17 • **Cecil R. Brandenburgh**, TI68; Dec. '16 • **James F. Cheeley**, UC68, GR71; Oct. '16 • **James D. Graham**, SI68; Jan. '17 • **Sharon (Goodson) Harbison**, LA68; Oct. '16 • **Edward R. Meyer**, LA68; Oct. '16 • **Michael A. Ramming**, GR68; Feb. '17 • **Fred W. Rubel**, UC68; Nov. '16 • **Ronald M. Fagg**, PT69; Oct. '16 • **Thomas E. O'Keefe**, DE69; Feb. '17 • **William G. Woods**, UC69; Jan. '17

1970s

Gloria (Swofford) Bitza, UC70; Jan. '17 • **Racine D. Brown**, GR70; Oct. '16 • **Claude R. Kruchmar**, FA70, GR72; Nov. '16 • **Terry I. Phillips**, UC70; Feb. '17 • **Joseph Reeves**, SW70; Jan. '17 • **James A. Bowers**, TI71; Feb. '17 • **Margaret (Casey) Gaskill**, GR71; Feb. '17 • **Muriel (Meissner) Jobe**, UC71; Feb. '17 • **Janet (Reinhardt) Williamson**, OT71; Oct. '16 • **Louis M. Bubala**, GR72; Dec. '16 • **Stuart N. Cholfin**, LA72; Dec. '16 • **Keith G. Fitzgerald**, AR72, GA73; Nov. '16 • **Constance Goss**, LA72; Dec. '16 • **Chauncey C. Maher**, MD72; Dec. '16 • **Julian C. Mosley**,

MD72; Sept. '16 • **Donald S. Wilson**, LA72, GR73; Sept. '16 • **Joe D. Burroughs**, SI73; Sept. '16 • **Daniel L. Crimmins**, LA73, GR80; Nov. '16 • **Alan E. Sloka**, EN73; Sept. '16 • **Richard B. Teitelman**, LW73; Nov. '16 • **Robert M. Harper**, GF74; Feb. '17 • **Patricia C. Heidenheimer**, GR74; Dec. '16 • **Barbara A. Jakschik**, GR74; Nov. '16 • **Douglas C. Ruhmann**, SI74; Nov. '16 • **Rose (Schramm) Mass**, SW75; Nov. '16 • **Larry D. Pollock**, SW75; May '16 • **Patricia (Edmonston) Rousseau**, LW75; Sept. '16 • **Carl R. Schwartz**, LA75, EN75; Oct. '16 • **Elaine (Carlton) Bachman**, LW76; Oct. '16 • **Catherine A. Scheppner**, LA77; Jan. '17 • **Barry M. Farr**, MD78; Feb. '17 • **Bernard J. Schepers**, TI78, TI80; Dec. '16 • **Marlene (Lambert) Jaffe**, GR79; Sept. '16

1980s

Kevin R. Kowaleski, MD80; Sept. '16 • **Craig E. Mason**, AR80, GA84; Dec. '16 • **Gerard W. Shepherd**, GR81; Oct. '16 • **William L. Bellrose**, TI82; Dec. '16 • **Scarlett L. David**, GR82; Jan. '17 • **Peter Fischer**, GB82; Dec. '16 • **M. (Lovan) Tourville**, UC82, SW86; Sept. '16 • **Gary L. Wild**, TI82, TI83, TI85, TI85; Feb. '17 • **David L. Wooley**, GA83; Jan. '17 • **Gail (Atwell) Randall**, LW84; Jan. '17 • **Patricia (Christensen) Dwyer**, GB86; Dec. '16 • **Gregory A. Young**, PMBA86; Jan. '17 • **Mark A. Craig**, EN87; Dec. '16 • **Robert H. Buser**, PMBA89; Nov. '16 • **Christina (Homeier) Martin**, BU89; Nov. '16 • **Carol A. Roberts**, SW89; Oct. '16 • **Stephen C. Sachs**, EMBA89; Oct. '16

1990s

Chip Dunahugh, FA90; Feb. '17 • **Tod A. Clarno**, GL92; Jan. '17 • **Hiren Israni**, GB92; Feb. '17 • **Ian P. Nunnally**, LA94; Feb. '17 • **Greg P. Roggin**, GR94, LW94; Oct. '16 •

Rosemarie T. Stonehill, GB95; Dec. '16 • **Kimberly Y. Ellison**, GB99; Oct. '16 • **Elizabeth M. Telthorst**, SW99; Feb. '17

2000s

Jennifer (Prickett) Aspinall, LW04; Oct. '16 • **Egon Schwarz**, GR08; Feb. '17

2010s

Whitley Russo, PMBA15; Sept. '16

In Remembrance

Matthew Barton

Matthew Barton, MD, a physician-scientist and resident in otolaryngology at Barnes-Jewish Hospital and the School of Medicine, died unexpectedly Jan. 23, 2017. He was 35.

Barton decided to go into academic medicine and clinical investigation during a research rotation at the National Institutes of Health while he was in medical school. The experience helped him decide to become a physician-scientist to help develop better treatments for otolaryngology patients. He was in his seventh and final year of residency when he passed.

Barton is survived by his wife, Allison; their children, Noah and Brooklyn; his parents, Michael and Deborah; and his sister, Katie.

Brian T. Collins

Brian T. Collins, MD, an associate professor of pathology and immunology at the School of Medicine, died in his sleep Dec. 23, 2016. He was 52.

A St. Louis native, Collins attended the University of Missouri-Kansas City for his bachelor's and medical degrees. Before joining the medical school faculty at Washington University in 2010, he worked at St. Louis University and the University of Utah.

While at the School of Medicine, he was chief of the cytopathology

section and studied diagnosing diseases on the cellular level. Called a “pathologist’s pathologist,” Collins was interested in exploring new pathology technologies and techniques in order to improve research and education.

Collins was also the director of the cytopathology fellowship program at Barnes-Jewish Hospital and medical director of the cytotechnology program at St. Louis University.

Collins is survived by his wife, Virginia; his five children; his parents; and his brother.

Terence L. Dunahugh Jr.

Terence L. Dunahugh Jr., BFA '90, passed away Feb. 6, 2017, from complications of pneumonia. He was 50.

Dunahugh was a painter and award-winning design consultant. His work was exhibited throughout the United States including at the Harwood Museum, the Pennsylvania College of Art and Design, and the State Museum of Pennsylvania.

He also worked as a design consultant, general contractor and subcontractor on many American Institute of Architecture award-winning renovations.

Dunahugh studied printmaking and painting at Washington University and went on to earn an MFA in painting from the Tyler School of Art at Temple University and studied at Yale University’s Norfolk program in painting.

He is survived by his wife, Romi Sloboda Dunahugh; his parents; his brothers, Pat and Steve; two nephews; two nieces; and a large extended family.

Thomas R. Green

Thomas R. Green, JD '58, a long-time supporter of the School of Law, passed away March 27, 2017. He was 83.

Green was the first member of his family to attend college

after he was awarded a freshman basketball scholarship to attend the University of Illinois. He then attended Washington University School of Law.

Throughout his law career, Green maintained a private practice and acted as a public servant, working as an assistant county counselor for St. Louis County and later as assistant attorney general of Missouri. He also founded the National Real Estate Management Company, the national States Insurance Company and Royal Banks of Missouri.

He was a huge supporter of Washington University, serving on the School of Law National Council, as co-chair of the law school’s fundraising effort for Seigle Hall and on the executive committee for the *Building for a New Century Campaign*.

In addition, Green was awarded the Dean’s Medal and the Distinguished Alumni Award, both from the School of Law, and the Founders Day Distinguished Alumni Award.

Green is survived by his wife, Karole; his son, Ronald; his daughters, Linda Irene Green Renner and Katherine Anne Green Bruckel; 11 grandchildren and step-grandchildren; and other extended family.

Don Hunstein

Don Hunstein, AB '50, a staff photographer for Columbia Records for nearly 20 years, died March 18, 2017, from complications of Alzheimer’s disease. He was 88.

Hunstein grew up in St. Louis and studied English while attending Washington University. He first became interested in photography when he purchased a Leica camera while stationed in England with the Air Force. He then joined a camera club and attended classes at Central School of Art and Design in London.

Hunstein was hired at Columbia Records in 1956 to organize their photo library and handle media

requests. He showed off his photographic skills and became a staff photographer and then the label’s director of photography before Columbia closed down its in-house studio in 1986.

Hunstein took photos for many album covers including *The Freewheelin’ Bob Dylan*, Glenn Gould’s *Bach*, Miles Davis’ *Nefertiti*, and Leonard Bernstein’s *The Bernstein Songbook*. He also sat in on recording sessions and took photographs of the entire cast of Broadway’s *West Side Story* crowded around a single microphone and Billie Holiday recording “Lady in Satin.”

Hunstein’s work has been the topic of a book, *Keeping Time: The Photographs of Don Hunstein*, and a traveling museum exhibit, *Who Shot Rock & Roll*.

Hunstein is survived by his wife, Dee Anne; his son, Peter; his daughter, Tina Cornell; and three grandchildren.

Hugh Ittis

Hugh Ittis, MA '50, PhD '52, a renowned botanist, conservationist and environmentalist, died Dec. 19, 2016. He was 91.

Born in Brno, Czechoslovakia, Ittis immigrated to the United States with his father in 1938. He served in the U.S. Army from 1944 to 1946 before earning his bachelor’s degree from the University of Tennessee in 1948. He then earned his PhD from Washington University and the Missouri Botanical Garden.

After first teaching at the University of Arkansas, Fayetteville, Ittis joined the botany department at the University of Wisconsin, Madison, in 1955 and spent the remainder of his career there. He conducted research on maize, tomatoes and spider flowers. A fierce environmentalist, he was one of the first scientists to argue what would later become known as the “biophilia hypothesis” that psychological health

depends on being out in nature and sunlight.

Among his honors, Ittis was elected as a fellow of the American Association for the Advancement of Science in 1963, and in 1994, he won the Asa Gray Award from the American Society of Plant Taxonomists. He also helped Wisconsin become the first state to ban the pesticide DDT and pressured Hawaii into protecting more of its land and wildlife.

Ittis is survived by his sons, Michael, David, Frank and John.

Frederick D. Peterson

Frederick D. Peterson, MD '57, a professor of clinical pediatrics at the School of Medicine, died March 2, 2017. He was 85.

Peterson began work at the School of Medicine as an intern and eventually became a professor of clinical pediatrics in 1992. He was also heavily involved at St. Louis Children’s Hospital and maintained a private practice for more than 30 years.

One of Peterson’s signature accomplishments was the Community Office Practice Experience (COPE), which gave medical residents the chance to train with practicing physicians. Throughout his lifetime, Peterson earned many awards including the Faculty Achievement Award in 1992.

Peterson is survived by his brother, William.

Aaron Rogat

Aaron Rogat, PhD '02, died April 9, 2017. He was 44.

From a very early age, Rogat had a keen interest in biology. After receiving a bachelor’s degree in biology from the University of Oregon in 1995, Rogat continued his studies at WashU, working in Professor Kathy Miller’s laboratory. He received a doctoral degree in molecular cell biology in 2002.

While a student, he participated in the Young Scientist Program,

bringing science education to the St. Louis Public Schools.

In his last year of graduate studies, Rogat was diagnosed with a brain tumor. Despite undergoing surgery and chemotherapy, he completed and successfully defended his dissertation.

After receiving his doctorate, Rogat became deeply interested in conducting research in science education. After a postdoctoral fellowship at the University of Michigan, he served as a research scientist from 2006 to 2011 for the Consortium for Policy Research in Education at the University of Pennsylvania and at Columbia University, where he worked on science education policy issues. Joining the Educational Testing Service as a research scientist, he contributed to the science assessments for the National Assessment of Educational Progress.

In 2014, Rogat joined Purdue University as a research associate in the College of Education, where he continued to be active in supporting science education.

Rogat is survived by his wife, Toni Kempler Rogat; his 6-year-old daughter, Sara Alyssa; and his father, Carl Rogat. He was also a beloved brother and uncle.

Mary Merritt Sale

Mary Merritt Sale, professor emerita in classics and comparative literature, died at her home in Berkeley, Calif., Feb. 8, 2017, from complications of an autoimmune disease. She was 87.

After earning her doctorate in Greek, English and Latin from Cornell University in 1958, Sale taught at Yale University for one year. She then joined the faculty at Washington University and served as acting chair and then chair of the Classics Department from 1960 to 1969.

Sale wrote two books, *Sophocles' Electra and Existentialism and Euripides*, and she translated *Oedipus Rex*. Her translation,

completed in 1966, was staged on campus, and the cast included then-senior Harold Ramis.

Sale won many awards over her career, including a Founders Day Award for teaching excellence, and the Class of 1971 gave her the Favorite Faculty Member Award. Sale was known for her mesmerizing lectures that made the Ancient Greeks — her focus was Greek poetry, mythology and tragedy — relevant to her students.

Sale is survived by her spouse, Anne Peper Perkins; a daughter, Elizabeth Sale; two sons, David Sale and Adam Bilsky; three stepsons, Jonathan Perkins, Andrew Perkins and Ben Rain; seven grandchildren; and two brothers, Roger Sale and Kirk Sale.

Patricia C. Schoen

Patricia C. Schoen, MBA '51, a key supporter at Olin Business School, passed away Feb. 26, 2017. She was 89.

After completing her MBA, Schoen served as a marketing instructor at Olin Business School. There she met and married Sterling Schoen, a professor of organizational behavior, who founded the Consortium for Graduate Study in Management.

Schoen was a huge supporter of the consortium. Every year, she would attend the orientation program and career forum where she would greet incoming students. She was also the first individual donor to provide support to the consortium's undergraduate program when it was still in the planning stages.

Schoen is survived by her daughter, Jennifer Jeffrey, and her son, Chris. Her husband, Sterling, passed away in 1999.

Egon Schwarz

Egon Schwarz, the Rosa May Distinguished Professor Emeritus in the Humanities in Arts & Sciences, died Feb. 11, 2017, after a stroke. He was 94.

Schwarz was born in Vienna, which he and his parents fled following the Nazi invasion in 1938. They spent some time in Eastern Europe before immigrating to South America and settling in Ecuador. Schwarz came to the United States to study at The Ohio State University.

After earning a doctorate, Schwarz taught at Harvard for seven years before coming to St. Louis. He spent 32 years on the faculty and served as chair of the German department from 1967 to 1971. His research was broad, and he wrote or edited more than 20 books, including an autobiography *Unfreiwillige Wanderjahre: Auf der Flucht vor Hitler durch drei Kontinente*. (It was published in English as *Refuge: Chronicle of a Flight from Hitler*.) The book earned him the Johann Friedrich von Cotta Literaturpreis from the city of Stuttgart in 2008.

Schwarz won other honors, including the Joseph von Eichendorff Medal, the Austrian "Ehrenzeichen" for Science and the Arts, the Alexander von Humboldt Scholarship Prize and the Grand "Ehrenzeichen" for Services to the Republic of Austria, as well as many fellowships. He also received honorary doctorates from the University of Vienna, Austria; Örebro University in Sweden; and Washington University.

Schwarz is survived by his wife, Irène Lindgren-Schwarz; his children, Rudolf, Caroline and Gabriela; and his grandchildren.

Jack Unruh

Jack Unruh, BFA '57, a hall-of-fame illustrator, died May 16, 2016, from esophageal cancer. He was 80.

Based in Dallas, Unruh drew for nearly every national publication including *Time*, *Entertainment Weekly*, *Field & Stream* and *Rolling Stone*. An avid outdoorsman, he was known for his detailed portraits of animals and nature. He was sent to France to draw the

cave paintings at Lascaux, to Chile to draw birds, to Alaska to draw fish, and to Louisiana to draw the Exxon Valdez oil spill.

Unruh first came to St. Louis on a Christmas visit, where he met talented illustrator Bernie Fuchs, who had completed a certificate at the university in 1954. Unruh, who had been enrolled at the University of Kansas, decided to transfer to Washington University.

After graduation, Unruh settled in Dallas, and his style of drawing became synonymous with Texas, because for more than a decade, he illustrated the famous "The Texanist" column in *Texas Monthly*. In 2006, he was inducted into the Society of Illustrators Hall of Fame in New York. When word spread that he had fallen ill, there was a line in the hospital of people wanting to pay their respects.

Unruh is survived by his wife, Judy Whalen; three daughters, Chris Unruh, Kim Whalen Aman and Susan Unruh; a son, Chris Whalen; a brother, Jesse; and four grandchildren.

Carolyn Booker Yarber

Carolyn Booker Yarber, a member of the University Libraries staff for more than 48 years, died Dec. 9, 2016. She was 69.

A St. Louis native, Yarber graduated from Sumner High School and attended Harris Teachers College (now Harris-Stowe State University) before being hired on at the University Libraries as a typist in the Card Catalog Department in 1966.

Rising in the organization, Yarber was working as an inter-library loan/reserves assistant before she passed. She was responsible for shipping items to other libraries and sending journal articles electronically to faculty, staff and students at research institutions around the world.

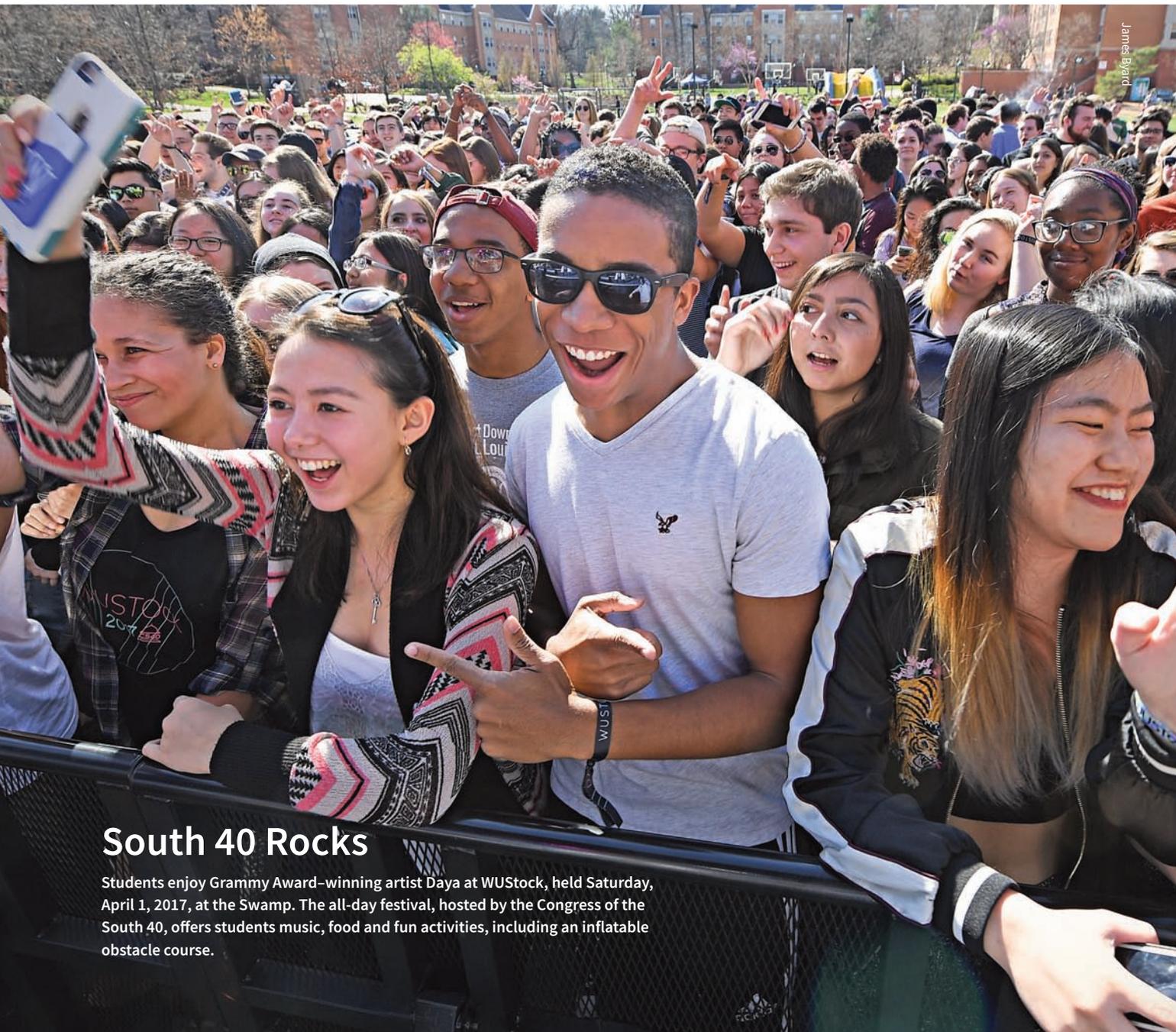
Yarber is survived by a daughter, Teresa, who also works in the University Libraries.

Pow Wow promotes empowerment

The Kathryn M. Buder Center for American Indian Studies, part of the Brown School, sponsored the 27th annual Pow Wow, “Honoring our ancestors’ sacrifice: Empowering children today to be the leaders of tomorrow.” The event, held in the Field House March 25, 2017, featured American Indian arts, crafts, dance and food.







James Blair

South 40 Rocks

Students enjoy Grammy Award-winning artist Daya at WUstock, held Saturday, April 1, 2017, at the Swamp. The all-day festival, hosted by the Congress of the South 40, offers students music, food and fun activities, including an inflatable obstacle course.