This undated photo shows Mechanic Arts Department students working in the electrical laboratory in the early days of the Drexel Institute of Art, Science and Industry.

Drexel is celebrating its 125th anniversary all year long. Join the party at Drexel.edu/125years.

Number of students in Drexel’s first graduating class: 70

Total tuition in today’s dollars (or about $150 for two years of instruction) for students in mathematics, mechanical drawing, physics, chemistry, shop work in wood and iron, machine construction from working drawings, theory and practice of the steam engine, and pattern making: $4,000

Number of departments in operation at Drexel’s founding: 11

They included art, science, mechanic arts, domestic economy, technical skills, business, physical training, teacher training, a department of lectures and evening classes, the library, reading room and the museum.
Our fifth annual “40 Under 40” list of young Drexel graduates coincides with the launch of a University branding campaign to raise greater awareness of our unique model of education — called “Ambition Can’t Wait” — and it is fitting that we celebrate both together. The remarkable arc of achievement represented by the alumni you will meet on these pages says everything about the value of a Drexel education.

Our students are problem-solvers; they’re entrepreneurial and impatient to succeed. They are developing smart faucets and new options for post-mastectomy reconstruction, exploring memory loss and Alzheimer’s, creating cutting-edge graphic design, and managing a rock band’s fan engagement, to single out a few. And there is a common thread for most: They were well on their way in their careers before they even grasped a diploma.

One after another in the pages that follow, they cite the unique power of their co-op experiences to prepare them for achievement. While still students, they built the prototypes, made the connections or published the papers that laid the groundwork for early professional successes. I include in this category doctoral candidate Kendra Ray, separately featured in this issue, who uses music therapy to help elderly patients affl icted with dementia reconnect with their memories. She is not yet out of school, yet her studies showing the effectiveness of music therapy in combatting depression are influencing nursing homes across the nation and as far away as Israel.

You may have already encountered Drexel’s “Ambition Can’t Wait” messages in the Philadelphia region, and in some national publications such as The Wall Street Journal — but I’m proud to know that the restless drive to succeed is something every Drexel graduate is already well aware of.

Sincerely,

John A. Fry / President
A Little Something for Everyone

Each year when we publish our annual feature on alumni under 40, we get a certain question from certain quarters: “What about the rest of us?”

It’s a fair question. With more than 150,000 active alumni from all walks of life, Drexel has tens of graduates who are over 40, over 50, even well past retirement and still relatively awesome, with fascinating stories to tell. And while people seem to like the 40 Under 40 — alumni responding to our readership survey last year singled it out more than any other as their favorite feature — no small number of you mentioned that even though you enjoy reading about young alumni, you feel a little overlooked.

To those folks I have to say that I don’t think a “40 and Above” program is going to happen. But I hear you.

If you share this feeling, we’re planning a series of stories next fall that maybe you can get on board with. Education at Drexel is all about experiencing things firsthand, up close and real. And we know our alumni are the ultimate doers.

And we want to talk about that. What have you done that most people can’t? Have you built a space station? Flew to the moon? Did you fly in a space mission? Make your first million? Have you seen that few people get to see? What can you do that was an experience unlike any other? What芦 What is it like to fight a fire? Write a best-selling novel? Fly in a helicopter? What have you done that was an experience unlike any other? What have you seen that few people get to see? What can you do that most people can’t?

That’s the angle. Tell us what it was like. What is it like to fight a fire? Write a best-selling novel? Fly in a space mission? Make your first million?

Drexel alumni have done it all, at one time or another, so let’s hear about it. Send a sentence or two to alumni@drexel.edu; we’ll take care of the rest.

What a wonderful edition. I thought it was a perfect tribute to Drexel’s unique and exciting story! Well researched and creatively designed, the magazine’s stories and facts are fascinating, funny and substantive. Wow, has the University grown on all metrics since I graduated. One page was about the ROTC program. I remember wearing my Army-like uniform (ill-fitting) and shouldering an M-1 (if I could load it) while riding Philly’s elevated train and feeling utterly awkward yet vaguely proud.

LARRY J. ROSENBERG
BS business administration ’65
Sedona, Arizona

I really enjoyed the anniversary edition. But you forgot this 1968 boxx from the Daily Pennsylvanian. It was very believable at the time!

JOE DASCIO
BS commerce and engineering ’68
Tampa, Florida

I have to compliment you and your staff for an outstanding history of the school. When I attended we were basically one building with some smaller houses in the area. You surely described the fantastic growth of Drexel. However, I noted one omission: From 1956-58 I was a member of the ROTC football band. We performed at every football game and raised the spirit of the Drexel student body. In my opinion we brought life to the school. During the war years the band was as few as 15 members. Can you imagine a nine-member marching band? By 1950 it had grown to a normal size. Perhaps if you write a sequel to the issue you can insert a mention of the “Drexel Band.” Thank you again for such a wonderful magazine.

E. DAVID FIRST
BS business administration ’50
Norristown, Pennsylvania

Correction: In the fall issue, the captain of the undefeated 1955 Drexel football team was incorrectly identified. That year, the team had two co-captains: Everett Graff Jr. ’57 and Arthur DeCampos ’56. In addition, the photo of three football players is of the 1958 team.

Sonja Sherwood / Editor

About the Cover

Photo by Jeff Fusco with alterations by Pentagram Design. Shot inside the Oat Foundry shop in Bensalem, Pennsylvania.

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Get well. Stay well.
Masters of the Realm

An ambitious plan to improve the campus for the thousands of students, faculty, staff and alumni who traverse it every day intends to tell one cohesive story: This is Drexel.

By Katie Clark

Buzzing low across the 98 acres that make up Drexel’s campus, there is an energy waiting to spring forth, fully realized. You get a glimpse of it with each new building, with each new project that slowly transforms the commuter campus of the past into one of the liveliest urban pockets in the city of Philadelphia.

But this campus has a bigger story to tell, one that perhaps can’t be told through disparate construction projects across campus. A blanket of attention must be paid to enhance the campus in a holistic and encompassing way. Knowing this, in 2015 Drexel engaged West 8, a landscape architecture and urban design firm, to develop a Public Realm Plan for the University City Campus, a step toward realizing the Campus Master Plan Drexel established in 2012. The two plans complement each other to distinguish Drexel as a vibrant urban university district, bring the campus to the street, draw the community around shared spaces and expand on the University’s plans for an innovation district known as Schuylkill Yards.

© Drexel Magazine

COURTESY OF WEST 8 URBAN DESIGN & LANDSCAPE ARCHITECTURE
**1 SCHUFLIKK YARDS**

The 14-acre Schufllick Yards project is a proposed mix of residential, retail, office, academic, and open space that will be built on land adjacent to Drexel’s campus over the next 20 to 30 years. It will connect to Drexel’s campus through the extension of Woodland Walk, a promenade on JFK Boulevard, and green space in front of Drexel Plaza, to be named Drexel Square.

**2 STUDENT NEIGHBORHOOD**

Seven major residence halls make up Drexel’s student neighborhood, which spans from Arch Street to Powelton Avenue and between 33rd and 34th streets. Public Realm Plan improvements include the addition of green space, light-ing, walkways and informal seating, and spaces for socializing.

**3 KORMAN QUAD**

A Public Realm Plan project under way now is the expansion of the Korman Center and the creation of an inviting campus green in front of it, to be named the Korman Quad-range. The transformation is slated for completion this fall.

**4 LANCASTER WALK**

The vision for Lancaster Walk, the multi-block walkway that connects the student residential neighborhood to Market Street and the academic core, includes new lighting and seating, rain gardens and the addition of green spaces.

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**PULLING HISTORY FROM THE SHADOWS**

This is about creating a functional and aesthetically pleasing environ-ment for our students from an academic standpoint but also just for socializing and enjoying this beautiful campus we’re creating,” says Drexel President John Fry. “It’s very important, still, office,” he explains. “We have those beautiful, quiet, contemplative spaces to help build community here at Drexel.”

The plan calls for changes both small and large — the larger projects include transforming Lancaster Walk, making Market Street more pedestrian-friendly and major enhancements to the student residential neighborhood. Some changes include lighting, stormwater systems and the addition of more green space across campus.

Fortunately, the designers at West 8 had a strong foundation to build on when developing the plan: “Drexel already has this interesting urban quality with two boulevards running through it. he says Adriaan Geuze, founding director of West 8. “And the embedding of the University in the city of Philadelphia and the University City is remarkable.”

The firm also has an enormous campus to work with. Of the 98 total acres that make up Drexel’s campus, only 60 percent are currently oc-cupied by buildings, leaving 38 acres of places and spaces in which to learn, interact, play and relax.

“Right now, the campus is fragmented, and some areas can be described as harsh,” Geuze explains. “We know that some of the street-scape is traffic-dominated and we know people are looking for more sidewalks and safer spaces for bicycling. These things should come to-

**This 19th-century ammonia compreessor on display at the National Museum of Industrial History provided refrigeration at the American Brewery in Baltimore.**

---

**Biomedical Engineering**

**Gauging Google Glass**

In a study recently published in Frontiers in Human Neuroscience, a team of Drexel’s biomedical researchers measured how brains perform while using “smart” wearables like Google Glass. Using a porta-

**bile functional near-infrared spectroscopy, or fNIRS, devices, they measured the brain activity of participants watching a college campus outdoors in a Google Glass.**

Researchers found that users using Google Glass had lower mental workload and trended toward increased situation awareness while using the device, they reported their peers navigat-

**ing with Google Maps on an iPhone.**

**Mislabeled Cucumbers: Chefs Avoid creating appetizers that overshadow the main course. A recent study led by Drexel’s refugee research team found that a main course may be negatively affected by an appetizer that is ‘too good.’**

But, by actively varying dishes by cuisine type (e.g., Italian, Thai, etc.), a negative response to the overall meal, or, could be avoided altogether.**
Famed Designer Donates Collection

Drexel’s Robert and Penny Fox Historic Costume Collection is the new home for a collection of more than 700 couture-level ensembles by designer James G. Galanos, dubbed by The New York Times the “master of chic.” In his heyday in the 1950s and ‘60s, Galanos dressed a veritable “who’s who” of Hollywood royalty (Rosalind Russell, Marilyn Monroe, Judy Garland, Diana Ross and Jacqueline Kennedy, to name a few.)

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This gift came on the heels of a $5 million pledge from philanthropist Raymond G. Perelman to the university’s Center for Jewish Life, a facility dedicated to Jewish student life. The building’s uniquely symmetrical design — inspired by the shape of a menorah — earned it praise from Wired.com, which named it one of “25 masterpieces” in architecture in 2016.

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Thank You for a Great Year

Drexel surpassed its fundraising goal for fiscal year 2016 by raising $120.7 million in outright gifts and pledges, which exceeded the University’s goal by $700,000 and beat the previous year’s total by $5.3 million.

This marks the third year in a row of achieving a record-breaking fundraising total. The largest gift to the University during the fiscal year came from long-time philanthropists and humanitarians Dana (L’Bror ’83) and David Dornsife. The couple donated $50 million to the School of Public Health, which was named in their honor.

Another generous $6 million gift from philanthropist Raymond G. Perelman made possible the Perelman Center for Jewish Life (see story on opposite page). Renovations have also been begun on the Korman Center in the heart of Drexel’s campus, after an $8 million gift from the Hyman Korman Family Foundation and another $8 million in matching University funds.

Drexel’s finances also remained strong for the fiscal year. The endowment has grown to $633.4 million, a 23.7 percent increase in just five years.

Output Over Input

A new ranking placed Drexel in the top 8 percent of U.S. colleges and universities based on how well students perform after graduation — a measurement where Drexel truly outperforms its peers.

The new ranking is a joint effort by The Wall Street Journal and London-based Times Higher Education that aims to assess institutions on their students’ outcomes rather than on their students’ SAT scores and aptitudes going into college. Each school’s ranking is based on four categories: what students do after graduation, a university’s resources, how well a school engages students, and the overall learning environment and degree of diversity.

New Center for Jewish Life Opens

Drexel cut the ribbon on the Raymond G. Perelman Center for Jewish Life, a facility at N. 34th St. made possible with the help of a $6 million gift from Perelman. It is the first building at Drexel constructed entirely through private philanthropy, and the University’s first standalone facility dedicated to Jewish student life.

“We are deeply grateful to the more than 40 donors who gave nearly $30 million to make this long-awaited vision for a Jewish home at Drexel a reality,” says President John Fry. “Although it took many hands to make this transformative project possible, we wouldn’t be here without the awe-inspiring generosity of Ray Perelman. He has changed the landscape of Philadelphia and has changed our landscape at Drexel.”

With its unique co-op model and interconnection with civic issues, Drexel has long focused on engagement, diversity and job readiness. The ranking came not long after Drexel’s move on U.S. News & World Report’s 2017 “Best Colleges” list to No. 96, and 65th overall in value.

The goal is to ensure that every child born in the Promise Zone has what he or she needs to be successful in the innovation economy growing in their own backyard.”

— President John Fry

Drexel, Philadelphia Win $30M Promise Grant

Drexel won a multi-million, multi-year Promise Neighborhoods Program Implementation Grant that will benefit West Philadelphia residents and seven public schools near Drexel’s campus.

Philadelphia is only one of six awardees to receive the U.S. Department of Education grant, which provides up to $30 million over five years per locality. In year one, Philadelphia will receive $5 million for a “cradle-to-career” effort, which includes initiatives that expand early literacy and early science efforts in local child care and pre-K programs; enhance K-12 instruction; empower parents to advocate for their children’s learning; and improve access to education and job training for residents of a neighborhood zone that stretches from the Schuylkill River to 48th Street, and from Girard Avenue to Sansom Street.

Drexel was the lead applicant of the grant, partnering with the City of Philadelphia, the School District of Philadelphia and several other area groups and nonprofits. As the lead agency, Drexel will help coordinate the initiative and share the expertise of its School of Education, Dornsife School of Public Health and Dornsife Center for Neighborhood Partnerships.
It can take an inventor years to receive an official U.S. patent, usually represented by a seven-digit number (patents pending like this one have eight). But the full story behind most patents is much longer. Adam Fontecchio’s long-time love of technology and art has come together in a one-inch-square that fits in the palm of his hand. This tiny stack of thin films opens a game-changing world of possibilities for cameras and smartphones, and this is the story of how it came to be.—Katie Clark

Imagine you could snap a photo with your smartphone in a grocery store to gauge the ripeness of a cantaloupe or the freshness of meat. Imagine an airport security officer using a camera to detect if someone has handled explosives or a soldier equipped with special rifle sights that “see” through camouflage to zero in on a target.

The reality is, this technology already exists. But Drexel’s Adam Fontecchio and his team have found a way to compress it into the size of a postage stamp. He calls the invention “electrically tunable filters,” and it could soon be inside cameras that “see” through camouflage to zero in on a target.

The reality is, this technology already exists. But Drexel’s Adam Fontecchio and his team have found a way to compress it into the size of a postage stamp. He calls the invention “electrically tunable filters for hyperspectral imaging,” and it could soon be inside cameras and smartphones everywhere.

“I’m hoping within the next 15 months,” says Fontecchio, an engineering professor and director of the Drexel Nanophotonics+ Lab. “The technology is there. The tank is right there,” he explains. “It can take an image, flip on the layer that filters out chlorophyll, and now the tank is right there,” he explains. The filters’ chemical analysis applications are particularly exciting, Fontecchio says. “By taking a sequence of images at all these other wavelengths in the spectrum, you can detect a material’s chemical optical signature and start to see things that aren’t visible to the naked eye.”

Fontecchio and his team didn’t invent the concept of hyperspectral imaging, which has been around for about 30 years. But most devices are large. “Our filters are very thin — typically 10 microns thick — which means if we want to make 30 layers of different wavelengths, we can do that in less than 0.01 millimeter,” he says. Perfect for today’s wearable devices.

Fontecchio has spent the past 10 years perfecting the technology with more than $10 million in support from the Department of the Army, the Department of Energy, NASA, the National Science Foundation and private industry. He has an entire portfolio of patents pending and he’ll soon be the CTO of DragonSpectral, a company that will launch this year. “I’m so excited about the applications for this technology that I haven’t even thought of yet,” he says. “Once this technology gets out there, it’ll just explode.”

Ambition Can’t Wait

Drexel recently welcomed two new deans and will soon bid farewell to a CEO.

In January, Drexel’s Thomas R. Kline School of Law named Daniel M. Filler, JD (pictured) as its new dean, following the retirement of founding dean Roger Dennis, JD. Filler has previously served as the Kline School’s senior associate dean for academic and faculty affairs and, as an inaugural faculty member, has helped with the formative development of the school, which just recently celebrated 10 years. In this new leadership role, Filler brings a wealth of legal practice experience, in addition to 18 years in teaching.

In February, Paul W. Brandt-Rauf, MD, DrPH, SJD, joined Drexel as the new dean of the School of Biomedical Engineering, Science and Health Systems. One of the nation’s leading occupational and environmental medicine scholars, Brandt-Rauf came to Drexel from the School of Public Health at the University of Illinois in Chicago, where he served as dean since 2009. He is a professor and founding professor in the Dornsife School of Public Health.

This summer George W. Goephart Jr. will retire after six years as president and CEO of the Academy of Natural Sciences of Drexel University. Goephart, a long-time Philadelphia area business and nonprofit leader, worked with President John Fry to combine Drexel and the Academy, uniting two of Philadelphia’s most respected institutions.
The scientists of the 19th century had a quandary. How do you preserve exceedingly fragile and perishable aquatic specimens like sea anemone for long-term study? Preservation in alcohol was one solution, but that robbed the delicate creatures of their color and form, and if allowed to dry out they become little more than raisins.

The answer arrived in the form of father-and-son artisans Leopold and Rudolph Blaschka, two master glassworkers who parlayed their expertise as jewelers into creating extraordinarily detailed and accurate glass reproductions of scientific specimens for museums and research organizations. Working from Dresden over a 30-year period, the pair produced more than 700 models, each made to order and sold through dealers like Ward's Natural Science Establishment of Rochester, New York.

In 1879, Academy scientist Joseph Leidy wrote in the Proceedings of the Academy of Natural Sciences that the Blaschka models are “remarkable for their accuracy and beauty…They represent soft and delicate forms which cannot be satisfactorily preserved, and others too minute to be examined with the naked eye. Moreover, their price is so moderate, that it is to be hoped that the Academy may make early provision to obtain a series.” Leidy placed an order that same year.

Unfortunately for the fragile figurines, preserving them intact for many generations is difficult. Due to poor storage conditions and the delicacy of the materials, the Academy’s collection of Blaschka glass has deteriorated over time. Glass experts have had great success restoring these materials and Academy archivists hope to someday embark on a similar conservation project for its own Blaschka collection.

“Unfortunately, the Blaschkas don’t come out much anymore,” says Jennifer Voss, the Academy’s Brooke Dolan Archivist. “Some of the more complex pieces have been damaged. We would very much like to have those conserved so they can come out on display more often.”

In the 1800s, the scientific study of marine life depended on life-like, glass-blown models created by master artisans Leopold and Rudolph Blaschka — and today Drexel is one of only a handful of universities with a collection of the delicate, beautiful Blaschka originals. By Katie Clark

The specimens in the Academy’s glass invertebrate collection, numbering just under 50 pieces, were mostly purchased from Ward’s Natural Science Establishment in the late 1870s.
Show and Tell

RICK TREDINNICK
SENIOR, MECHANICAL ENGINEERING

Every year, more than 5,700 students discover their careers through the Drexel Co-op program—a signature model of education that balances classroom theory with paid job experience within a buzzing network of more than 1,700 co-op employers in 51 countries. What does a Drexel co-op look like? In this regular feature, we ask a student fresh off his most recent co-op to show us. —Katie Clark

THE CO-OP
My third and final co-op for the BS/MS program in mechanical engineering was as a reliability and inspection engineer for the Paulsboro Refining Co. in Paulsboro, New Jersey. I helped to maintain equipment in the refinery, like tanks, heat exchangers, vessels, towers—anything in the refinery that is not moving. When things go “Snap, crackle, pop,” we fix it. And in a refinery, pretty much everything needs fixing. Part of the job takes place in the office, making sure the parts we need to make repairs are up to the specifications set by the American Society of Mechanical Engineers. The other part is in the refinery, checking the equipment for cracks or leaks.

THE OBJECTS
I’m holding a walkie-talkie. Everyone uses the radio in the refinery to communicate the work that’s being done and if anything is going wrong. And for safety reasons, they really take safety seriously at the refinery. That’s why I have the safety goggles, a hard hat (not pictured), and the H2S monitor on my collar. Everyone has to wear the monitor at all times; once part of the refining process is stripping the sulfur from the oil, we have to pump it with hydrogen, and that makes hydrogen sulfide gas, which can asphyxiate you. If the H2S is too high, the monitor will vibrate and sound an alarm and you have to immediately leave the area. And lastly, this is a flame-retardant Nomex suit, which could save my life even though it kind of makes me look like a NASCAR driver or a gas station attendant.

THE TAKEAWAY
I learned so much about skilled labor on the job, things I couldn’t learn in a classroom. I also didn’t know a thing about the refining industry before this experience. I knew that oil is used everywhere, but I wanted to know where it came from, I wanted to get the nose and the tail of the industry. That’s what’s great about co-op at Drexel. You get to see what you like and don’t like. You get to see what you’ll be doing with your Drexel degree.

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Do you remember how proud you felt the day you graduated from Drexel? Have you been thinking about what it will take to continue to advance your career? There has never been a better time to continue your Drexel journey and we can’t wait to welcome you back. Drexel alumni and their immediate family members receive a 15-30% tuition savings on select online programs.

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Need for Speed

The first stop on Rachel Bernhardt’s journey was to make Drexel history as a top swimmer. From there, she headed to the U.S. Olympic trials. Next up? Olympics 2020. By Jared Axelrod

Senior Rachel Bernhardt seems like she can get comfortable anywhere. But there’s a fever underneath that relaxed demeanor, a hunger for the win. Her intense competitive drive and impressive skill in the water made her the first Drexel swimmer from either the male or female teams to earn a place at the NCAA Division I Swimming and Diving Championships last spring. That accomplishment took her to the 2016 U.S. Olympic trials in June. And the butterflies are already swarming in her gut when she thinks about Olympics 2020.

She’s going to go for it.

Bernhardt started swimming competitively later than many of her peers, which she believes gives her an edge.

“Usually people start at 5,” Bernhardt says. “I started in seventh grade. Which is why I feel like I have so much more in the tank.”

“The exciting thing is she’s continuing to drop time and improve,” says Coach Adam Braun. “She has a ton more potential, in terms of training and transitioning that to racing. If she sticks with it, after she’s done swimming for Drexel, I don’t see any reason that she wouldn’t have a shot at the 2020 Olympic trials.”

During her junior year, Bernhardt set new school records at the CAA Swimming Championships in February 2016 and earned the first two gold medals for the Drexel women’s swimming program. Her time in the 100-yard breaststroke was 1:00.65 and her 200-yard breaststroke time was 2:10.89, beating her previous time in the 100-yard by half a second and a marked improvement in the 200-yard.

More than any other competitor, the swimmer she was most focused on beating was who she was last season. While qualifying for the NCAA is a great milestone, Bernhardt’s main goal was to be significantly faster than her previous time.

Her performance at the NCAA’s qualified her for her second U.S. Olympic Trial event as she notched a 2:32.70 in the long course 200 breaststroke. Earlier in the season, Bernhardt qualified for the trials in the 100 breaststroke at the Phillips 66 National Championships in San Antonio, Texas, with a time of 1:10.46.

“At the trials, I was super excited, but it was definitely nerve-wracking,” she says. “You are surrounded by the absolute best swimmers. It was very intimidating. I just went in and tried to do my best.”

And she did get a “best” that day: her fastest time ever in the 100 breaststroke. At 1:10.27, she placed first overall in her heat of 10 swimmers. She lowered her time by 19 hundredths of a second from her qualifying time of 1:10.46.

“I love swimming,” Bernhardt says. “I love being in the pool; after college I know I’m not ready to give it up. So I’m going to keep swimming.”

Until she graduates this summer, though, Bernhardt hopes to leave behind a legacy.

“Hopefully I just paved a path for some new freshmen,” she says. “I want to end my time at Drexel on a good note, I want to leave something behind that people can remember me by.” — with additional reporting by Katie Clark
As a college basketball player, Zach Spiker hoped he might one day earn a living…coaching. An undersized point guard whose game, according to his own scouting report, lacked “highlights,” Spiker’s infatuation with hoops nonetheless flourished. “I knew I wasn’t going to have a long career playing,” the Ithaca graduate says. “I spent the last year of my collegiate career studying the game. I wanted to be around athletics one way or another, so the opportunity to go into coaching was something I felt strongly about.”

He’s recounting this in October, just a few weeks before his debut as leader of Drexel’s men’s team. So while a portion of his brain is agreeably dribbling down memory lane, most of it is occupied by the same thought that has consumed him since he was a budding young coach. How can I help my team improve?

With just three seniors on a team that won six games a year ago, the Dragons have plenty of potential for improvement. To tap into it, Director of Athletics Eric Zillmer chose the 40-year-old Spiker, a basketball junkie who is the only head coach in the history of the U.S. Military Academy (Army) to win 15 or more games for four straight seasons. Spiker’s 102 victories at storied West Point tied him with the legendary Bob Knight on the school’s all-time list — and caught Zillmer’s attention. “Zach Spiker is an exceptional coach and a person of integrity,” Zillmer says. “He has unbelievable energy and will bring an excitement to the Drexel fan base. His personality and playing style fit the aspirations of our University as creative, fast-paced and innovative.”

Defending the Dragon

Now entrenched in his first season coaching Drexel men’s basketball, head coach Zach Spiker is looking inward: Strengthen the team, slow and steady; victory will come.

By Mike Unger

As a college basketball player, Zach Spiker hoped he might one day earn a living…coaching. An undersized point guard whose game, according to his own scouting report, lacked “highlights,” Spiker’s infatuation with hoops nonetheless flourished. “I knew I wasn’t going to have a long career playing,” the Ithaca graduate says. “I spent the last year of my collegiate career studying the game. I wanted to be around athletics one way or another, so the opportunity to go into coaching was something I felt strongly about.”

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Big picture, we have a really good idea of what we want to do here,” Spiker says. “We want to get up and down the court and appeal to the young men in the city of Philadelphia, playing with tempo and great pace, moving the basketball. Defensively, getting after people full court, I think that’s something the DAC Pack would love to watch. But the roster is in transition. You’ve got to coach every team and every season differently.”

Spiker grew up in the football hotbed of Morgantown, West Virginia, where his father, John, was WVU’s longtime athletic trainer. As a kid, he loved all team sports, but despite being 5-foot-10, it was basketball that stuck. Since his dream team, Syracuse, was unrealistic, he wound up at Division III Ithaca, where he played ball and earned a bachelor’s in communications. He thought his future was in sports broadcasting, but toward the end of his playing days he was bitten by the coaching bug. After graduating, he joined coach Gregg Marshall’s staff at Winthrop. It was hardly glamorous. “We made a position for him, and I don’t know what he got other than a little stipend,” says Marshall, now head coach at Wichita State. “He came in expecting nothing and added value. He went out and worked odd jobs in the mornings and helped us in the afternoons. What he does as a coach is the same thing he does in his personal life — he develops relationships. He is very positive, has a ton of energy and obviously he is a tremendous young coach. He can translate the game to his players, and I am sure they love playing for him.”

Spiker later worked as an assistant at West Virginia (where he earned a master’s in sport management and met his wife, Jenn) and Cornell before being hired to lead Army’s program. “The academy stands for so many great things about our country. I thought it would be an honor just to interview for the position,” Spiker says. “Coaching at West Point makes you a better, more efficient coach because the access can be limited. You don’t have time to do drill after drill and have a long practice.”

That’s exactly what he’s doing at Drexel, where his goal is daily progress. He doesn’t get caught up in what other teams are doing, and doesn’t want his players to, either. “The focus, he believes, should be inward.”

"The big thing we’re trying to do is drive culture right now. I’m very proud of how our guys have responded. Every day we’re defending the Dragon, and I love it.” — Zach Spiker"
Five years.
That’s 200 stories.

Stories that show there really are no bounds to where a Drexel degree can take you. In this fifth edition of the 40 Under 40, we introduce you to a pair of brothers who distill unique liquors, an expert in neurology who brings us closer to understanding Alzheimer’s disease, a doctor who helps give something back to women with breast cancer. Passionate lawyers, star chefs, sharp entrepreneurs. Every path is unique but all carry a little piece of Drexel to their various corners of the world where they’re making a difference.
Ronica Cleary’s life, personally and professionally. “My father got his master’s degree here, so I’m a leg- acy, and a graduate,” she says. “I’ve been a student, an employee and an adjunct professor. Drexel has always been a positive force in my life. The connection is just undeniable.” She leveraged her 2007 master’s degree in public communication to become a broadcast re- porter in a string of large, competitive markets. She spent three years at “Chasing News,” a nightly news program that airs on Fox 5 NYC, Fox 29 PHL and MySJN, before moving on to her present job, covering politics for Fox DC 5.

For Cleary, the contentious and quickly presiden- tial race gave her the chance to engage in what she calls the most challenging and also the most satisfying aspect of her work: Taking vast volumes of jumbled information and helping to make sense of it. “I get to go to those events that politicians hold that may be an hour or 90 minutes long, and then I have the responsibility to decide what the viewer hears in a three-minute story,” she says. “I also look at what other reporters choose to include or not include, it has really opened my eyes to the power of journal- ism and the importance of doing it well.”

“How doing it well means more than just being factually correct. As an occasional adjunct professor in Drexel’s Department of Communication in the College of Arts and Sciences, she tells her students that reporters need to constantly challenge themselves, to ask whether they are being as fair and evenhanded as possible in their coverage.

“It is about acknowledging that you bring things to the table — we all do. It means constantly reflect- ing on your work,” she says. “It’s very easy to just assume that you are being as unbiased as possible. But you need to constantly evaluate your work, to get feedback from people you trust. Anyone who thinks their work is perfect at this is fooling themselves.”

Even after the election ended, at a time when many Americans were experiencing a degree of political fa- tigue, Cleary’s enthusiasm has remained undimmed. “I love politics!” she says. “It makes the job I get to do, day after day, so rewarding.”

The Drexel experience touches every aspect of Ronica Cleary’s life, personally and professionally. "I get to go to these events that politicians hold that may be an hour or 90 minutes long, and then I have the responsibility to decide what the viewer hears in a three-minute story,” she says. “I also look at what other reporters choose to include or not include, it has really opened my eyes to the power of journalism and the importance of doing it well.”

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My Greatest Accomplishment
Building a successful health and home goods brand from the ground up. Our products are now being featured in some of the best stores internationally. Wonder Valley’s olive oil is certified 100 percent extra virgin olive oil, crafted from a proprietary blend of Tappiazi, Arbequina and rare Ascolano olives hand-picked from the groves of Northern California. We are designing, producing, marketing and selling all while based out of the Mojave Desert.

Where I’ll Be In Five Years
Continuing to grow Wonder Valley on a global scale.

My Greatest Accomplishment
Becoming a best-selling author (“How to Make $100K Out of College,” 2016), starting a business and becoming a partner at an investment management firm. That’s three things, but everything is interconnected in business and I could not have accomplished one of them if it wasn’t for all of them.

How Drexel Helped
Outside of my mom’s sacrifices and support in raising me, Drexel’s career services were instrumental in the success I have had in business. The co-op program, in combination with Drexel’s outstanding professors, like Scott Warren, PhD; Diana Sanberg, Ed Nelling, PhD; Amy Kratchman; and Peter Amato, PhD, made the University world-class. And I mean that literally — I hon- estly believe that a Drexel-trained student is, by far, the best-equipped candidate for today’s complex and innovative workforce.

Where I’ll Be In Five Years
My team and I will have built a media company that provides education, products and services within all of the domains that I am passionate about. Above all else, my No. 1 goal is to provide for my family, especially my mom, Debbie, who raised me as a single mom, and grandmother Rose, who gave me everything she could to ensure I was on the right track. I owe every- thing to them.

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Brothers Marat and Vlad Mamedov both attended Drexel, both studied information systems and both landed jobs post-graduation as co-founders of online marketing agencies. Their path promised financial rewards and security, but something was lacking. They craved a life with a little more, so to speak, spirit.

So when they were ready for a career change, the Armenian brothers, along with Marat’s fiancée, wife Zosma, opened a craft-distillery. In a nod to their corporate backgrounds, they named themselves Boardroom Spirits and began distilling in February 2016. Their special contribution to the market is their own fresh spin on Hungarian palinka, an aromatic and flavorful fruit brandy popular across Eastern Europe but not widely known to American drinkers.

“We saw a chance to do something with personal significance, because the product connected to an ethnic Armenian and Zosma’s Hungarian brandy-distilling heritage,” Marat says. Unlike distilleries that focus on artisan methods, Boardroom emphasizes technology in its manufacturing process. Using leading-edge equipment, their distiller can access the still with an internet-connected laptop from anywhere in the world, providing insights and data at every stage of distillation.

“Having gone to Drexel, the core value of ingenuity and innovation was important to both of us in our business model,” Marat says. “We see automation as a transformative opportunity in our field, as it helps to make the production safer and more efficient, which translates to a more consistent and precise spirit.”

The company’s Lansdale location, with its gleaming stills, serves as the North American showroom for Hagyo Distilling, a Hungarian still manufacturer, to market equipment to other producers.

Last fall, Boardroom Spirits launched B, a vegetable-based spirit. Instead of red beets, the beets are green, fermented and distilled into a spirit that smells uncannily fresh, as if each glass contained beets plucked from the farm.

“It is the first release of the company’s “Perennial Table of Spirits,” a line of fruit and vegetable distillates (A for Apple, C for Carrot, O for Celery Root, etc.). The spirits can be enjoyed as either aperitifs or digestifs, or as a clear liquor that smells uniquely fresh, as if each glass contained beets plucked from the farm.”

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Given the two brothers’ co-founders studied at Drexel, Boardroom has remained actively engaged with its alma mater. From day one, they helped Drexel alumni help with accounting, legal and facility services. Drexel friends have participated in focus groups and helped spread the word about Boardroom.

“In that diverse environment we were able to learn about who our future customers would be,” Vlad says. “We saw that there was a gap in the market and now we’re filling it.” — Elisa Ludwig

My Greatest Accomplishment
I began my first start-up with two other co-founders while at Drexel. Karizma Media Solutions. Karizma was one of the first few online marketing agencies in the Philadelphia region at the time, and we successfully merged our company with our largest client five years later. Since then, I’ve built relationships with some of the smartest, most intelligent and brightest individuals in our city — of that I am most proud. I have contributed countless hours volunteering across the globe and have taught many sessions on entrepreneurship, emerging technologies and relationships building. I have some of the greatest family, friends and colleagues a guy can ask for — without them I wouldn’t be as motivated as I am.

How Drexel Helped
My time at Drexel has essentially shaped my career in many ways, and getting involved in student government, Greek life and co-op gave me a combination of responsibility, integrity and risk-taking skills that I’m not sure I would have received at another school. Being involved in the Undergraduate Student Government Association for all five years, including experience working closely with former Drexel President Constantine Papadakis, gave me business knowledge, intuitions and proficiencies that I still use today.

Where I’ll Be In Five Years
I hope to continue to provide jobs and fuel growth in the city of Philadelphia. Philly is my heart, and positively influencing our youth here to find passions within emerging technologies is going to keep us on the map as a tech hub.
Priscilla Jimenez

My Greatest Accomplishment
Writing crosswords full-time for the Washington Post is a dream job. However, I’d say my best personal accomplishment was the journey I took to get there. Before landing the position with the Post, I first had to develop the skill to write puzzles and the confidence that any puzzle I write is going to be clever and enjoyable. Knowing that I can create something fun for people each week and love doing it is what drove me to pursue puzzles as a career in the first place.

How Drexel Helped
I wasn’t aware of a crossword career as a field of study in college. The co-op program was so valuable, as well as the hands-on experience and class projects. As a business owner I can rely on my skills in construction, merchandising and product assortment that I learned at Drexel.

Where I’ll Be in Five Years
In five years I hope to be doing what I am doing now, but with increased experience and responsibilities. I’d like to be an editor in chief.

Evans Birnholz

My Greatest Accomplishment
Studying a particular disease, you’re examining its potential causes, its risk factors, the groups affected by it, and it was the culmination of everything I had envisioned right in front of me. The process of idea to creation is a long one and it was such an amazing feeling to have customers love the products I had worked so hard to develop. It was a huge risk but absolutely worth it.

How Drexel Helped
The Fashion Department is amazing and gave me a strong foundation of skills to build upon in the jobs I had after college and now in owning my own business. The co-op program was so valuable, as well as the hands-on experience and class projects. As a business owner I can rely on my skills in construction, merchandising and product assortment that I learned at Drexel.

Where I’ll Be in Five Years
In five years I would like to level up my involvement in charity organizations. I hope to start a Lucy & Leo Foundation where I create an organization that I learned at Drexel.

Rachel Mednick

My Greatest Accomplishment
Opening up my first Lucy & Leo pop-up shop in Manhattan in Bryant Park’s Winter Village in 2013. I had just launched my organic children’s clothing line and it was the culmination of everything I had envisioned right in front of me. The process of idea to creation is a long one and it was such an amazing feeling to have customers love the products I had worked so hard to develop. It was a huge risk but absolutely worth it.

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Where I’ll Be in Five Years
In five years I hope to be a household name in the Latino community as an advocate for justice and their rights by promoting justice and fairness for all and safeguarding the right to a trial by jury.

Christy Berghoff

My Greatest Accomplishment
Matching into neurosurgery.

How Drexel Helped
Drexel’s College of Computing & Informatics helped me with the next level of data analytics and knowledge management along with a more in-depth study of human-centered computing. The program also provided a great foundation for my next career advancement by strengthening my capacity to handle challenging environments.

Where I’ll Be in Five Years
I plan to have advanced into leadership within my government position while also expanding my LGBTQ community leadership role.

Justin A. Singer

My Greatest Accomplishment
As an entrepreneur, creating a business that is unlike any other in the Northern Shenandoah Valley of Virginia. In my career in government service, being able to assure the protection of sensitive data.

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Where I’ll Be in Five Years
I hope to continue my work as a cerebrovascular and endovascular neurosurgeon, and continue my collaborations with industry to advance and innovate the way physicians interact with and care for patients. I additionally hope to pursue an MBA and remain actively engaged as a physician leader.
With all the resources spent on Alzheimer’s research to date, is it possible scientists have been looking in the wrong place all this time? Neuroscientist Dheeraj Roy thinks so.

“For the past 100 years people have been trying to figure out a way to slow [memory loss] down or to rescue cognitive skills, but even today we don’t know what is going wrong at the earliest stages,” says Roy. “When we look at a dementia patient we see signs of tissue loss, we see people with missing parts of the brain. We know about that, but before that stage there can be five to 15 years where all we know is that something is changing, but we don’t really know what is happening.”

First as a Drexel student, where he completed a joint BS and MS in biomedical engineering in 2010, and now as a doctoral candidate at the Massachusetts Institute of Technology, Roy has been exploring the brain’s earliest phenomena, hoping to get at the mysterious something in the early memory-impairment studies,” says Roy. “For the first time in the field of early Alzheimer’s, people have started to say that maybe we are missing something in the early memory-impairment studies,” he says. “Maybe the memory is fine, and the problem has to do with retrieval.” – Adam Stone

With these skills I was able to get my foot in the door with boutiques, and from there I was able to grow. Where I’ll Be In Five Years I’ll have a small factory and textile printing facility where I will design and produce all of my pieces. Philadelphia women will have embraced slow fashion by this point, and they will be supporting local designers more than ever.
It began with a soft pretzel vending machine.

When they were studying mechanical engineering at Drexel, Luc Tenthorey, Mark Kuhn, Sean Rossiter, John Halko, Mike Courtney and James Vescio were matched for a “senior design” class project to create a proof of concept for a novel way to dispense Philly Pretzel Factory’s famous street snack. The team soon discovered that if solving business problems with creative solutions was a calling, then working collaboratively was practically their destiny.

“We fell in love with the idea of making cool things and it became obvious that there was a career path there,” Kuhn says.

After they graduated in June 2013, the group created Oat Foundry, a design and fabrication collective, initially offering 3-D printing services.

“We knew we were good at design, but we had a lot to learn about building a business and gaining the tools associated with that,” Kuhn says. Fortunately, their Drexel education gave them confidence to tackle unfamiliar business problems. “The greatest tool an engineer can have in his belt is adaptability,” says Tenthorey. “So much of Drexel was learning new things, and learning them quickly.”

Oat Foundry has since expanded to offer product development, architectural fabrication, brand activations and solutions to operational roadblocks for companies. They specialize in custom, often-interactive pieces that communicate the personality of a brand through unexpected materials and technologies. Some projects include a distinctly memorable custom fabrication for Saxbys Coffee; a fully integrated, wi-fi-enabled retro order display for Honeygrow that mimics old-fashioned black-and-white train departure boards; and a reimagined bagel packaging system for the Greater Knead, a local gluten-free bakery.

In another project, they launched a can of La Colombe Draft Latte into the atmosphere with a balloon and four GoPro cameras to capture unbelievable shots of the new coffee drink in near outer space, high enough to see the curvature of the Earth. Recently, Amazon contacted them to ask if they could design and build a car that looked as though it was split in half and slammed into the pavement — just the kind of unusual challenge they like.

“You don’t often see brand consulting firms setting up a shop with wood lathes and welding irons, but the six engineers running Oat Foundry have ideas so original, they have to be built from scratch.”

“Every project we do is very different from any others we have done,” says Vescio. There’s no limit to the amount of “cool things” to be made, but if there’s a company ethos, it’s to keep the fun and shared sense of ownership in the process.

“We were all friends first,” Tenthorey says. “What makes our team strong is the trust we place in each other. Our company culture encourages speaking your mind — we have disagreements all the time, but we always know it’s nothing to do with ego. We all want the best outcome for every project we undertake.”

— Elisa Ludwig
My Greatest Accomplishment

Fulfilling my lifelong dream of playing in Major League Soccer (MLS) in front of all my friends and family.

How Drexel Helped

Drexel allowed me the opportunity to continue my soccer career by competing at the Division I level against the best competition in the nation. The coaching staff and my teammates helped push me along in my career in order to reach the stage that I have managed to achieve.

Where I’ll Be In Five Years

I hope to be a veteran of the Philadelphia Union and of the MLS. I also see myself with the potential to play for the U.S. Men’s National Team as long as I keep working hard and continue on my path to success.

How Drexel Helped

Drexel prepared me for the real-world experiences one faces running a business. Drexel has a unique blend of theory and practicality in its programs, and I left school prepared to take on any challenge that came at me.

Where I’ll Be In Five Years

I plan to continue growing new restaurant concepts with my partners, Phil Mearns and Ryan Henges. I will likely remain my greatest accomplishment. My experiences at Drexel proved to be invaluable, from the impactful co-op positions that fueled my career to the influential network I built along the way.

My Greatest Accomplishment

Amid all of life’s demands, being a devoted husband and father is, and will likely remain my greatest accomplishment. Although my professional achievements pales in comparison, my unique blend of street smarts and school smarts has paved the way for other successes in business. In my role at Mercadien, I provide investigative insight and financial clarity to high-profile clients in the midst of business controversy, complex disputes and civil and criminal litigation. I’m best known for breaking down complex situations into smaller, more manageable issues by applying a blue-collar approach to solving white-collar disputes and civil and criminal litigation. I’ve been known for solving white-collar problems. Several of my clients and colleagues refer to me as “the Rocky Balboa of the accounting profession,” a nickname I’ve embraced. I take that as a compliment, I think.

How Drexel Helped

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Where I’ll Be In Five Years

My five-year plan includes a number of personal and professional goals, one of which is to fully integrate digital forensics and e-discovery consulting into my practice area, because changes in technology will continue to impact the way we interact and do business.

My Greatest Accomplishment

Creating a devoted husband and father. A devoted husband and father is, and will likely remain my greatest accomplishment.

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Kendra Thibbitt

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Where I’ll Be In Five Years

I hope to be a veteran of the Philadelphia Union and of the MLS. I also see myself with the potential to play for the U.S. Men’s National Team as long as I keep working hard and continue on my path to success.

Francis X. Hogan

My Greatest Accomplishment

Creating a devoted husband and father. A devoted husband and father is, and will likely remain my greatest accomplishment.

How Drexel Helped

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My Greatest Accomplishment

Helping to repair the fractured lives of vulnerable kids is a small-wins line of work, so it’s hard to point to a single accomplishment. What makes me proud to be a child advocate is making my clients smile. Finalizing a child’s adoption or helping them secure transportation to get to school may only be a small part of my day, but those things are life-changing for my clients. Helping them with their greatest accomplishments is my greatest achievement.

How Drexel Helped

I wrote my law school admission essay on my goal of becoming a guardian ad litem (to act legally on behalf of a child), and I can credit Drexel with giving me the tools to make that so. After working for two judges and competing on the moot court team, I felt comfortable in a courtroom and ready to take on real-world clients. Drexel’s experiential learning and advocacy opportunities allowed that to happen.

Where I’ll Be in Five Years

Whether it’s policy work or direct representation, I know I will still be working to improve the lives of children and families. From education to juvenile justice, there’s so much more work to be done.

Jabari Jones

Jabari Jones took Drexel’s commitment to civic engagement to heart and founded a business improvement collaborative in West Philadelphia while still a student.

At 22, Jabari Jones ’16 is young to be a community booster, but he has a plan. Things get better, he says, when people start new businesses.

“Entrepreneurship is the best way we can build a community, especially in West Philadelphia, where there are large percentages of poverty and unemployment,” he says. “As new businesses are created and are successful, we see median household incomes rise, we see people take ownership in their community by buying property. We see the entire community improving.”

While still at Drexel completing his BS in business administration, Jones began putting those ideas into action by founding the West Philadelphia Corridor Collaborative, a grassroots collaboration that is the largest association of businesses in West Philadelphia.

He has reached out across the community in various ways, in an effort to spur positive activities. He helped forge a partnership between the Baltimore Avenue Business Association and the Lancaster Avenue Business Association to get a trolley on both corridors during the holiday shopping season.

He works with local high school internship programs to encourage entrepreneurship, and he advocates for local real estate development efforts. He’s the youngest member of the board for the 30th Street Station District Plan, which aims to develop 175 acres of real estate over the next 35 years. As a member of the 30th Street Station business roundtable, he creates strategies to prioritize local hiring and procurement for small businesses.

Jones says his enthusiasm for civic improvement was sparked at Drexel, while on his first co-op with West Philadelphia Financial Services Institution, a community empowerment and economic development nonprofit.

“The co-op put me in contact with multiple small business owners and we talked about what could be done to better support these entrepreneurs,” he says. “After I concluded my first co-op, I wrote a report on how to better serve underserved communities.”

That effort inspired Jones to submit a proposal to President John Fry suggesting ways the University could better connect with local small businesses.

While a student, he worked with senior administrators to develop and implement new policies, including a civic fellowship program for students who wanted to work on community projects.

“Effecting change at this level isn’t easy. ‘For folks who want to start businesses there is a lack of organized resources,’ he says. ‘There are not a lot of places to go to find membership resources, business plan support. And typically those are people who don’t really have the resources to hire consultants.’

Despite the hurdles, he says, having those budding business owners elevates the whole community. “When you support and strengthen the business owners, everyone draws strength,” he says. —Adam Stone

Jabari Jones

JD LAW ’12
EDUCATION LAW AND STAFF ATTORNEY, SUPPORT CENTER FOR CHILD ADVOCATES

Colleen Swim

JD LAW ’12
NO. 28

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Colleen Swim

JD LAW ’12
EDUCATION LAW AND STAFF ATTORNEY, SUPPORT CENTER FOR CHILD ADVOCATES
Completing my doctorate in the cutting-edge field of molecular paleontology and being a part of the team led by former Drexel paleontologist Ken Lacovara that discovered and excavated Dreadnoughtus schrani, a new species of supermassive dinosaur, while an undergraduate at Drexel.

How Drexel Helped

I met Lacovara as a freshman, and he opened my eyes to the fascinating field of paleontology. He, along with the support from the rest of the Biology Department, encouraged me to explore my curiosity in paleontology and being a part of the team led by former Drexel paleontologist Ken Lacovara that discovered and excavated Dreadnoughtus schrani, a new species of supermassive dinosaur, while an undergraduate at Drexel.

My Greatest Accomplishment

Prior to YouTube, I worked on the Originals marketing team at HBO. For “Game of Thrones” Season 4, we planned the largest promotional event in HBO history. We sold out Brooklyn’s Barclays Center in minutes for the “Epic Fan Experience,” an event buffeting the biggest show on TV. Thousands showed up to an arena that was transformed into the world of the show. We even gave away a $30,000 Iron Throne to a lucky fan (it’s now in his parents’ garage, Google it!). The only thing more epic than the event itself was our team’s ability to pull it together in just three weeks.

How Drexel Helped

Drexel taught me that it’s not enough to just be an expert in one discipline. My coursework forced me out of my advertising bubble and challenged me to embrace aspects of business that I would rarely encounter on a day-to-day basis. I gained invaluable perspective on how a product’s success or failure touches all aspects of the business.

Where I’ll Be In Five Years

Wherever there’s an open door.

My Greatest Accomplishment

Delivering the U.S. Navy’s next-generation guided-missile destroyer, the U.S.S. Zumwalt (DDG 1000). I had the privilege of leading and working with the best engineers, scientists and acquisition professionals on the most complex technical systems ever installed on a Navy ship. I am privileged to continue in support of the U.S. Navy as the General Electric government service leader for North America.

How Drexel Helped

Drexel instilled in me the value of hard work and persistence and encouraged the importance of being well rounded. The curriculum and the co-op program gave me the foundation to succeed in supporting the U.S. Navy as a resident assistant, a Newman Center leadership council member and a chorus/ chamber singer. I balanced my real-world engineering education with diverse campus experiences.

Where I’ll Be In Five Years

Transferring from my Navy civilian career to General Electric, I am excited to be at home with my family in Houston, Texas, and be a proactive father and husband. Professionally, I look forward to continuing to lead, support and grow the General Electric government business domestically and globally. I aspire to reach the executive level while maintaining a balance between my family and career.

My Greatest Accomplishment

Co-founding the Drexel squash team. It took a vision, a plan, discipline, organization, hard work and the determination to realize that we had an amazing opportunity at our fingertips. We started it in 2005 and ran it like a business. After hundreds of matches across the United States, countless meetings, many proposals to donors, and thousands of emails, with the help of the Drexel administration, we found ourselves granted a state-of-the-art squash facility with varsity funding. This transition allowed the team to recruit some of the best collegiate squash players in the world with a Top 10 national ranking in 2016.

How Drexel Helped

Without a doubt, the Drexel Co-op program helped me grow and expand my horizons. The variety of jobs I had improved my understanding of the global markets, communication, professionalism and business acumen. The program ultimately helped me to decide to become a physician.

Where I’ll Be In Five Years

Married with kids, practicing as an emergency room physician, hopefully somewhere warm by the ocean. I plan to complete an MBA and explore opportunities in biotechnology.

My Greatest Accomplishment

As I continue to develop my skills as a physician and surgeon, I am proud of the path I have already traveled. It is still difficult as a woman to overcome certain stereotypes in the surgical world. Also, in accomplishing my career goals in surgery, I have grown as an individual by becoming confident and assertive in my abilities and judgments, while still maintaining my principles.

How Drexel Helped

The College of Medicine laid the foundation to my career. Without that solid basis in medical education and training, I would not have been able to pursue my career in surgery and, ultimately, transplantation.

Where I’ll Be In Five Years

I continue to be challenged in the complex field of transplantation where the patient care is collaborative, stimulating and completely rewarding. I hope to help further the discipline by continuing to care for and educate my patients, engage my colleagues and, perhaps, even inspire others to join in the efforts of the field through my work.
Connor White

A “smart faucet” idea dreamed up by recent grad Connor White (right) and current student Mo Zerban (left) is about to launch commercially. Drexel made the startup possible, they attest, and was there every step of the way.

The story behind Connor White and Mohamed Zerban’s startup Tern Water has Drexel written all over it. White, a 2015 product design graduate, met co-owner Mohamed “Mo” Zerban, a senior in mechanical engineering, at a 2013 TEDx event on campus. A year later, a Drexel professor recognized their shared interests and reintroduced them. Both dreamed of starting a company dedicated to sustainability. Through the support of Drexel resources, mentors and advisers, the pair launched Tern Water in 2015 and set their sights on one product: the Tern Faucet. The eco-conscious “smart” faucet provides high-quality purification at the tap, live water analytics about their water consumption and when filters need replacement. In January, the team got a vote of confidence from the venture arm of developer Cross Properties, which gave them a six-figure seed funding and placed a bulk order for the faucets.

The timing was right, as well. “This was a year before the Flint Water Crisis, and we wanted to be the people to start addressing this problem.” White says. “After we launch, I think our competitors will catch up a little bit, but by that time we’ll be moving on to the next product.” — Katie Clift

The team is now edging toward a commercial launch this spring. For around $250 and an annual membership fee, consumers will be able to attach the Tern Faucet to their kitchen sink and gain live information about their water consumption and when filters need replacement. In January, the team got a vote of confidence from the venture arm of developer Cross Properties, which gave them six-figure seed funding and placed a bulk order for the faucets.

“Tern Faucet is the new standard for faucet filters,” White says. “After we launch, I think our competitors will catch up a little bit, but by that time we’ll be moving on to the next product.” — Katie Clift

The story behind Connor White and Mohamed Zerban’s startup Tern Water has Drexel written all over it. White, a 2015 product design graduate, met co-owner Mohamed “Mo” Zerban, a senior in mechanical engineering, at a 2013 TEDx event on campus. A year later, a Drexel professor recognized their shared interests and reintroduced them. Both dreamed of starting a company dedicated to sustainability. Through the support of Drexel resources, mentors and advisers, the pair launched Tern Water in 2015 and set their sights on one product: the Tern Faucet. The eco-conscious “smart” faucet provides high-quality purification at the tap, live water analytics about their water consumption and when filters need replacement. In January, the team got a vote of confidence from the venture arm of developer Cross Properties, which gave them six-figure seed funding and placed a bulk order for the faucets.

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where a nice chunk of seed money awaited White and Zerban. The only problem was, they had three days to get there and no money. Visa issued president Zerban from traveling, so White turned to his mentors in Drexel’s Close School of Entrepreneurship for help, and they eventually sponsored his trip to Sweden.

More support for the startup came from Drexel’s Biodesign Institute for Entrepreneurship, an on-campus business incubator where the company is housed.

“‘For a while, we were doing this out of our bedrooms,’” White recalls. “‘If we didn’t have these resources, things would be a lot more difficult to continue the company.’”

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“The timing was right, as well. “This was a year before the Flint Water Crisis, and we wanted to be the people to start addressing this problem.”

Tern Water’s philosophy recently earned the co-founders an invitation to join an international incubator — it was thousands of miles away in Sweden,
WHERE I’LL BE IN FIVE YEARS

Almasri

My Greatest Accomplishment

I’d like to think that it is yet to come. I’ve founded a public health and education consulting firm that evaluates policies and programs that directly impact communities by addressing health disparities, environmental health concerns, obesity and a range of public health concerns; presented on the state of mental and physical health in minority communities at the 2015 National Education Association annual conference; and founded an online resource portal, the State of Public Health, designed to empower public health in the virtual space. Yet, despite these accomplishments, my February 2012 medical mission to Haiti stands out above the rest. To return to my birth country for the first time in 16 years, as a public health expert, and being able to lecture on public health principles and strategies and empower the medical professionals at Justitian University Hospital was a humbling experience.

How Drexel Helped

My time on my first co-op program was my “click moment” and without it I do not believe I would be in the professional position I am in today. I owe my understanding of disruptive innovation and problem-solving through a “wicked” lens to my wonderful professors at Drexel.

WHERE I’LL BE IN FIVE YEARS

I hope to still be pushing the boundaries of technological innovation to advance public health initiatives.

Nihad Al Almasri

40

PhD REHABILITATION SERVICES ’10

Dean of School of Rehabilitation Sciences and Associate Professor, Department of Physical Therapy, Temple University of Jordan

My Greatest Accomplishment

I would love to have my research published in a top-tier journal, and to present it at a major conference actively from people who are among the best in the rehabilitation sciences world, enjoying cultural experiences with amazing international students on Drexel’s campus, learning new sports and languages, surfing Philadelphia streets to find new adventures. I love the people at Drexel. They made me feel as if I am among my own family, and loneliness and homesickness were away when I was enjoying classes and research experiences with them.

How Drexel Helped

Drexel was the place where I enjoyed my new adventures. I love the people at Drexel. They made me feel as if I am among my own family, and loneliness and homesickness were away when I was enjoying classes and research experiences with them.

WHERE I’LL BE IN FIVE YEARS

I will be in the middle level that will be the first in middle-income countries.

Almasri

Matthew Pestronk

When the siblings who own real estate firm Post Brothers Apartments announced in 2007 that they were buying the 13-story apartment building in Gar- den Court Plaza at 47th and Pine and investing $250 million in University City housing with the goal of keeping recent grads in the neighborhood, it wasn’t just a Philadelphia business making a firm step into the neighborhood. It was a recent grad, who used his co-op at Drexel as the launching point for his career, coming home.

“We were young guys, and people were amazed by ourbrandness and incredible as to whether ourplacewould work,” recalls Matthew Pestronk (BS history and politics ’01), who founded Post Brothers Apartments with his brother in 2007. “After a while, people stopped telling me ‘you’re crazy.’”

The Alexandria, Virginia, native chose Drexel both because of its location in Philadelphia and because he wanted to wrestle. “I committed the day after my recruiting trip because I liked it so much,” he says.

He readily admits that he wasn’t the best wrestler on the team (“I was primarily a backup,” he says, wrestling in the 174-pound weight class) in part because he spent much of his time at Drexel enjoying other things the city had to offer. He found a home from being president of Sigma Phi to his classes and his co-op, where he worked for Jon Sarkisian, an executive vice president for global real estate behemoth CBRE-Insignia.

“I just liked it,” he says about real estate. “I liked the fact that it was very entrepreneurial and on the fly and creative and analytical.”

He zeroed in on the financial side of the process — specifically, raising funds — and after graduating worked in office leasing and real estate acquisition before becoming managing director of the Ashman-Ziff Real Estate Group, where he was the youngest professional in the firm’s history to hold that title.

There, he raised up money that he would eventually pour into Post Brothers Apartments.

“We wanted to do the kinds of projects that no one had done before, at a higher quality than anyone else was doing,” he says, with the goal to “produce higher returns than anyone else.”

Just 10 years after its founding, the firm owns more than $1 billion in real estate, including seven buildings in University City. It is a fully vertical integrated company, which Pestronk says is not common. They handle the buying and management of properties from start to finish, including financing, construction management, redevelopment and then management. They currently manage over 3,000 apartments and more than 200,000 square feet of commercial real estate across 20 buildings. In 2015, Philadelphia Magazine named them in its “Best of” list.

“This is one of Drexel’s 40 Under 40?”

“I have to go back and see who are you, or someone you know, who is working for our next group of accomplished young alumni. If that’s you, or someone you know, we want to hear from you,” he says.

EIGIBILITY

• Must be 31 years or younger as of March 1, 2018.

• Must have received a degree.

• Should have achieved demonstrated success in business, the private or nonprofit sector, the arts, community involvement or advocacy.

• Must submit resume’s high-resolution photograph and résumé.

Nominations can be submitted at drexelmagazine.org/40U40 or sent to the following mailing address by Sept. 4, 2017.

WHAT’S YOUR STORY? Tell us about the accomplishment that made you one of Drexel’s 40 Under 40?

Past honorees include authors, filmmakers, fashion designers, and founders of companies and nonprofits. They are leaders, inventors, scientists and athletes. We’re incredibly proud of their stories, because they show how far a person can go with a great mind and a solid education. We’re looking for our next group of accomplished young alumni. If that’s you, or someone you know, we want to hear from you.

DREXEL MAGAZINE
40 Under 40 Nominations
DEPARTMENTS DEPARTMENT
MAIN BUILDING · SUITE 309
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PHILADELPHIA, PA. 19104
Can the power of music help people with dementia reconnect with the world around them? College of Nursing and Health Professions doctoral student Kendra Ray and her colleagues know that it can, because they see it every day.

By Carolyn Sayre

Sing With Me, Sing for the Years

WHEN BEATRICE HARRISON first came to Menorah Center for Rehabilitation and Nursing Care in Brooklyn more than a year ago, she was depressed. The 93-year-old had difficulty thinking clearly and chose to spend most days alone in her room — eating by herself and watching old television shows.

Then she met Kendra Ray, a board-certified music therapist and New York State–licensed creative arts therapist at Menorah. During their first session, Ray played the melody to “I Have Dreamed” on her flute, written by Beatrice’s favorite artist, Frank Sinatra.

“I have dreamed that your arms are lovely
And I have dreamed what a joy you’ll be
I have dreamed ev’ry word you’ll whisper
When you’re close, close to me”

“When Kendra plays music, I go into another world,” says Beatrice, eyes moist. “I feel my mind calm and my body start to move. I feel like I am 20 again, seeing Frankie with my mother at the Paramount Theater in New York City. I can still remember the miles of people lined up to see him. He brought the house down that night.”

In the months since, Beatrice has begun music therapy, she has come alive again, the staff say. She appears happier, participates in activities and socializes at mealtime. Her weekly sessions have also had a profound effect on her memory. Beatrice suffers from dementia, and she often forgets her own age; but when she hears a familiar tune, her caregivers say that it is as if a light turns on in her mind. That simple Sinatra ballad not only invoked a story about the concert, but it offered a gateway into dozens of lost memories from her youth, including childhood piano lessons, her father’s career as a singing waiter, seeing “Man of La Mancha” on Broadway and watching Julie Andrews.

With the door to the past ajar, Ray begins to play a song from “The Sound of Music.”

“I go to the hills when my heart is lonely
I know I will hear what I’ve heard before
My heart will be blessed with the sound of music
And I’ll sing once more”

For Beatrice, and for so many other residents, the power of music helps them do just that — “sing” once more.

For the past eight years, as part of a music therapy program at Menorah, Ray has worked with patients who have dementia to remember their pasts through music. Many of them suffer from Alzheimer’s disease, a neurodegenerative condition that slowly destroys brain cells and leads to cognitive decline, impaired judgment and difficulty with daily activities.

Ray is not only a music therapist, she’s also a young researcher and influential author in the field.
Music therapy: When even language has deteriorated to the point that a person has lost the ability to speak, music can remain as an active way of communication. Ray uses songs like “The Power of Love” to help him regain his rhythm and contextual circumstances, which include his point that a person has lost the ability to communicate.

Music therapy improves cognitive skills such as memory, language and attention; while those with moderate symptoms become more engaged and participative, which greatly improves their quality of life.

One of the most impactful findings was that music interventions of all kinds resulted in a significant reduction of agitation and aggression. Over time, as they have developed a rapport, residents can perform independently. Specific music interventions can improve a person’s ability to participate in care management, which makes the caregivers’ job feel more satisfying.

In the future, Ray hopes to extend music-assisted care training to other music therapists in the United States and the world. It appears, is just a little brighter when it is filled with music, says her mother.

“Being a music therapist is more than just a profession to me,” Ray says. “I love watching the music activate the brain and immediately we see them calm down,” she explains.

“I love you lift up my light, he sings, filling in the last line of the chorus. When the music stops, Abe’s body animates and he rises and starts to walk to the door to find a friend. He claps loudly in appreciation.

“Keenda lights up my life when she comes here,” he says.

Two years ago, when Abe first came into nursing care, he was depressed and withdrawn, and not in a position to help. After three months of music therapy, he became calmer and was easier to bathe and dress. “I have come a long way, baby,” his sister says in jest — a part of his humorous personality that reappears when he is with Ray. “Back then, I couldn’t even move my hands. Now, look at me move.”

“Even when language has deteriorated to the point that a person has lost the ability to speak, music can remain as an active way of communication.”
This was an especially commemorative year for alumni as 2016 marked both Anthony J. Drexel’s 190th birthday and the University’s 125th anniversary. The Class of 2016 was also welcomed to the alumni community. With in-person receptions in two dozen cities and a wide range of virtual networking sessions, GNN 2016 proved the power of the Drexel network and opened the door to incredible opportunities for graduates around the world.

**Going Global**

Thousands of Dragons connected across the world this fall at the Global Night of Networking, an annual event hosted by Drexel Alumni.

- **190 wishes made by students for their time at Drexel, in honor of A.J. Drexel’s birthday**
- **60 alumni volunteered as hosts, guest speakers and online mentors**
- **24 cities around the world held in-person events**
- **612 alumni and guests attended GNN happy hours and meetups**
- **67,960 people worldwide reached through #DrexelGNN**
- **120 alumni participated in Virtual Power Networking throughout the day**

Laura Cafaro ’13 and George Weber ’13 celebrated Drexel’s and A.J. Drexel’s 190th birthday with friends and fellow Dragons at Leinenkugel Beer Garden in Baltimore.

**ROSS KELLY**

...to enjoy the next five years to the fullest.

**BRISSIDIA MARTINEZ**

...to design a prosthesis, to stay focused and do well in my classes.

**SHELBY INGRAM**

...to become a beneficial member of society and do well in school while being true to who I am.

**BRISEIDA MARTINEZ**

...to retain my scholarship, get a great job and meet my best friends.

**NATALIE STEFANO**

I wish...

**Anthony Whittington ’12**

passes with the birthday boy at GNN Philadelphia. A.J. Drexel made an appearance at many GNN locations.

**LAST WORDS FROM...**

Laura Calderone ’13 and George Weber ’13 celebrated Drexel’s and A.J. Drexel’s 190th birthday with friends and fellow Dragons at Leinenkugel Beer Garden in Baltimore.
Thank You for Your Service

50s

Stanley H. Cohen, BS chemical engineering ’72, former counselor at the law firm of Caesar Rivise, was named in the 2017 edition of The Best Lawyers in America for copyright law.

60s

John J. Degnan, BS physics and atmospheric science ’68, was selected a 2017 Fellow in the National Academy of Sciences for his leadership in the advancement of laser technology and its applications in satellite and precision interplanetary distance ranging, 3-D imaging and atmospheric lidar, free space optical communication and medical instrumentation.


Norman Smith, BS business administration ’69, MS business administration ’71, president of Eirma College, authored the book “Mistakes to Avoid When Deciding on Your College,” an update of his previous book “Selecting the Right College.”

Kenneth C. Springirth, BS mechanical engineering ’62, authored his previous book, “Selecting the Right College.”

2016 marked the centennial of the Reserve Officer Training Corps (ROTC), signed into effect on June 3, 1916, by President Woodrow Wilson. Drexel has a long history of receiving and promoting veteran students. Currently, it has more than 800 student-veterans, 400 alumnus-veterans and 200 military dependents.

On Veteran’s Day, Drexel ROTC inducted the first five honorees into its Hall of Fame. The individuals were recognized for their work related to past or present military service, for their contributions and commitments to their communities and vocations, and for their affinity to Drexel.

The Bicyclists. Pictured from left to right: Jake Maj. Gen. (Ret.) Jack K. Stoner Jr., BS chemical engineering ’51. Maj. Gen. Stoner is one of the highest-ranked military officials to have graduated from Drexel. Following his graduation, where he served in the ROTC, he received an Army commission as a second lieutenant, artillery. He completed the Chemical Corps School Advance Course and subsequently served in both Korea and Vietnam. In 1979, he became the first commanding general of the Communications-Electronics Material Readiness Command until his retirement in June 1980. Col. (Ret.) Thomas J. Matthews, BS business administration ’72. Col. Matthews served in the United States Army, retiring in 2001. In 1993, in the Battle of Mogadishu, Somalia, he served as the Air Mission Commander of the Black Hawk Helicopter of Task Force Ranger. The event later inspired the major motion picture “Black Hawk Down,” for which Col. Matthews served as the technical advisor. During his 28-year career he commanded the 101st Airborne Brigade, comprised of nine battalions, 3,410 soldiers and 300 helicopters.

Stewart M. Wiinitrak, BS business administration ’68, attorney at Chamberlain, Hrdlicka, White, Williams A. Upderry, gave the talk, “Philadelphia and Pennsylvania Local Tax Developments” as part of the Pennsylvania Institute of Certified Public Accountants Great Philadelphia Chapter Annual Philadelphia, Local and Multistate Tax Update Conference.

VETERANS DAY
John M. Strecker, BS mechanical engineering '77
Janet Elaine Twee Sollenberger, RN nursing '75
Ugo R. Topella, MS mechanical engineering '68

1950s
William M. Barnes, BS civil engineering '50
Jack P. Besse, BS business administration '52
Richard J. Birkofe, BS civil engineering '53
Marie Sullivan Blackburn, MD medicine '57
John D. Brown, BS business administration '52
Mary Mculalpino Cavasino, MD medicine '52
Lowanda Kramer Selphome, RN nursing '53
Janet Cutner, MD medicine '57
John Downeyckz, MD medicine '54
Howard L. Feldman, MD medical engineering '54
Therese C. Fonte, BS business administration '58
Kenneth Eugene Gangerow, BS chemical engineering '55
Robert R. Gearing, OC metallurgical engineering '58
Robert H. Geuchan, BS electrical engineering '51, MBA business administration '59
Edward D. Harrison, BS retail management '58
Ruth Harvey Pika, BS home economics '58
Salvatore M. Imperiale, MD medicine '59
Victor J. Irimea, MD medicine '55
William A. Jackson, BS electrical engineering '59, PhD environmental engineering '70
Russell L. Johnson, BS mechanical engineering '49
Mary Klarian, DC library science '67
Elmot H. Klingerman, DC library science '51
Elizabeth Andrew Kultchak, MD medicine '59

1960s
Richard T. Arnold, BS business administration '69, MBA '71
John C. Barsh, BS business administration '69
Alan D. Beson, BS mechanical engineering '61, PhD applied mechanics '70
Ernest M. Blumenthal, BS business administration '60
Lynne C. Brouillette, RN nursing '61
Robert G. Brown, BS mechanical engineering '64
Arthur F. Burk, BS chemical engineering '64
Robert L. Capizzi, MD medicine '64

WINTER/SPRING 2017
52

air pollution.
and capacity-building program in mental Health LAB, an NGO that

tens of thousands of people who embody the organiza-
tion’s spirit and vision of making
people who are making a difference in the Drexel community. Close to 1,000 alumni volunteered for Drexel last year — help us double it in 2017!

To find a volunteer opportunity that is a perfect fit for you, contact Lauren Villanueva, BA ‘04, MS ‘09 in the Office of Alumni Relations at lmv24@drexel.edu or 215.895.2644.

There’s an Alumni Volunteer Opportunity for Every Kind of Dragon.

Want to stay connected to Drexel? Alumni volunteer opportunities are a great way to benefit from the University’s extensive network while helping it grow. No matter your interests, there’s something for everyone who would like to make a difference in the Drexel community. Close to 1,000 alumni volunteered for Drexel last year — help us double it in 2017!

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ALUMNI WEEKEND 2017
Friday, May 19 and Saturday, May 20

It’s a city-wide celebration. Alumni Weekend will be filled with signature events that will spark your Dragon spirit. Share memories, reunite with friends and relive your Drexel days with a weekend of unforgettable alumni experiences!

Visit drexel.edu/alumni/weekend for a full schedule of events and to register.

Philadelphia Zoo
Alumni Family Picnic

Academy of Natural Sciences
Drexel After Dark

Drexel University
Class of 1967 50-year Reunion;
Young Alumni and Senior Beer Hall

Logan Hotel
• Class of 1992 25-year Reunion
• Class of 1997 20-year Reunion
• All Under 40, Legacy Family and Drexel Couples Receptions

Philadelphia Zoo
Alumni Family Picnic

Academy of Natural Sciences
Drexel After Dark

Drexel University
Class of 1967 50-year Reunion;
Young Alumni and Senior Beer Hall

Logan Hotel
• Class of 1992 25-year Reunion
• Class of 1997 20-year Reunion
• All Under 40, Legacy Family and Drexel Couples Receptions

William E. Carr, BS business administration ’69
Henry G. Chamberlain, BS mechanical engineering ’63
Joseph J. Cinotta, MS mechanical engineering ’66
Peter W. Crawford, MBA business administration ’68
William R. Crooke, BS electrical engineering ’67
Lee A. Davis, BS electrical engineering ’67
Jane O. Fee, MS library science ’66
Lonnie E. Fuller, MD medicine ’66
Frank Garnige, BS electrical engineering ’61
Kathleen A. George, RN nursing ’65
Richard M. Greco, BS electrical engineering ’64
June J. Gross, MD medicine ’64
Herbert A. Hanson, MS electrical engineering ’66
William R. Hagedon, BS electrical engineering ’67
Anne Hogan Bailey, BS home economics ’68
Charles D. Hummer, BS electrical engineering ’61
Louis P. Kompatski, BS retail management ’61
Patricia Ann Laicha, BS medical technology ’67
Milton R. Lang, BS electrical engineering ’60
Janis Sui Ling Lee, MD medicine ’64
Irwin Lipitz, BS electrical engineering ’69, MS biomedical engineering and science ’73
Carol Jean Mackey Blangard, MD medicine ’64
Walter J. Metcalf, MBA business administration ’63
D. Vaughn Micklow, MD medicine ’66
Vic J. Murrin, MS physics ’61
Clarence George Novotny, MD medicine ’65
Steven D. Promisloff, MD medicine ’67
Edward P. Reddy, BS mechanical engineering ’65
Edward P. Ronnie, BS electrical engineering ’67
Charles A. Searing, DC library science ’64
John A. Stratton, BS mechanical engineering ’63
Geoffrey Suszkoowski, BS management and engineering ’64
Harvey Tittel, MD medicine ’69
John P. Vesey, BS electrical engineering ’60
Marvin L. Weinshen, BS electrical engineering ’65
Walter R. Wischler, MS chemistry ’60
Alexander W. Williams, MD medicine ’63
David Henry Wood, BS mechanical engineering ’62
Harry Zali, MD medicine ’65

1970s
Annette B. Biberman, MS library science ’71
Randall J. Brubaker, BS sociology ’72
Alan H. Confer, BS chemistry ’70
Diane M. Dennis Levan, BS design ’76
Daniel J. Downs, BS retail management ’78
James S. Fal, MBA business administration ’75
Donald W. Faustenbach, BS civil engineering ’77
Thomas P. Fee, BS business administration ’75
Jean Long Fourcroy, MD medicine ’74
Susan Hochschild, MS library science ’71
James M. Kaufman, BS business administration ’72
Robert V. Lindstrom, BS mechanical engineering ’75
H. Wayne Lopaden, BS electrical engineering ’75
Shirley E. Lutz Lewin, MS library science ’72
Robert J. Mudrock, MS library science ’77
Rose Mary Randall Beach, MS library science ’71

1980s
Stephen John Anderer, PhD law-psychology ’77
Joseph Richard Mattes, MBA business administration ’85

2000s
Andrew H. Franklin, BS information systems ’06
Robin Schmidt-Abe, BS fashion design ’00
Earl J. Texter, BS business administration ’94

2010s
Sarah Bertler, post masters certificate nursing ’11
Sandra N. Jones, doctor of nurse practice ’13

CROSS ROADS
FRIENDS WE’LL MISS

Philadelphia Zoo
Academy of Natural Sciences
Drexel University
Logan Hotel

FEBRUARY 4—MAY 14

THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA

Save $2 when you purchase tickets online at ansp.org
YOUTH OF TODAY
Introducing our new puzzle master, Evan Birnholz. Not only is he an alumnus, he’s also one of our 40 Under 40, and therein lay many of the clues to this edition’s puzzle...

ACROSS
1 "Fantastic Four" actress Jessica
2 Industry that Tonic Design Co. managing director Justin Mathews and Code for Philly executive director Dawn McDougall work in, briefly
5 [*
6 Uber charge
9 Fly like an eagle
13 [*
14 Singer-songwriter Guthrie
15 Speak off the cuff
16 [*
18 Honda competitor
19 Feudal estates
20 Graveyard shift hr.
22 "Yo"
23 [*
25 Ming artifact
27 "The Nutcracker," e.g.
30 Make, as a shot off the backboard
32 [*
33 Handle the helm
36 "That’s my cue!"
39 Branch of medicine practiced by Christine Du, David Hardeski and Justin Singer
42 Garden of Eden victor
46 Bad defensive play for the Phillies
47 [*
48 Textbook diagram
50 Rumples, as hair
52 Forbidden action
53 Palindromic woman’s name
56 [*
57 “This means war!”
63 [*
67 Evaluate
69 [*
71 "Woe is me!"
72 "Like that’ll ever happen!"

DOWN
1 "Like that’ll ever happen!"
2 [*
3 Facility with barracks
4 Like the Dodger in “Oliver Twist”
5 Good defensive play for the Phillies
6 [*
7 Highlanders groups
8 [*
9 [*
10 [*
11 [*
12 [*
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14 [*
15 [*
16 [*
17 "Long in the tooth"
18 "Quarterback"
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23 "This means war!"
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THINK YOU’VE GOT ALL THE ANSWERS? If so, send your completed puzzle to the address at right to be entered into a drawing to win a great Drexel prize. And congratulations to the winner of our fall edition contest: John Renee MLS ’96, of San Diego, California.

Drexel University
Office of University Communications
3141 Chestnut Street
Main Building, Suite D19
Philadelphia, PA 19104-2875

PUZZLE BY EVAN BIRNHOLZ

24 HOURS OF IMPACT
05.24.17
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