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UNIVERSITY

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Drexel

MAGAZINE

THE FUTURE IS A PLACE WE MAKE

SCHOLARSHIPS!

RECORDS SMASHED!

SUPPORT FOR 1,300 CO-OPS

$806M RAISED

NEW FACULTY

RESEARCH with IMPACT!

42,000+ ALUMNI ENGAGED

FALL 2022

LAUREN LITTLE

MEDICINE

DOCTORS IN WAITING

College of Medicine students in the Class of 2026 began the challenging journey to become physicians during a White Coat Ceremony held by the College of Medicine on Aug. 5, 2022. A rite of passage now celebrated at most U.S. medical schools, the event welcomes future healers to the practice of medicine, honoring the humanistic values at its core. After being cloaked in white and receiving a stethoscope, the students affirmed their allegiance to the World Medicine Association Declaration of Geneva, pledging to dedicate their lives to the service of humanity and to respect their patients' autonomy and dignity.

304

MD students in the Class of 2026

71

Percentage of class members from outside Pennsylvania.

84

Pounds of stethoscopes distributed to the students.

>16,000

Number of applicants seeking admission to the class.

13

Percentage who majored in subjects *other than* science as undergraduates.

TABLE OF CONTENTS

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FEATURES

24
Campaign for Drexel Smashes Record
Thanks to countless acts of generosity from our alumni and friends, Drexel collected $806.6 million in its latest campaign in support of our students, faculty and community.

20
Final Stretch for McMichael Playground
A bright new playground at Morton McMichael School in West Philadelphia is a true village endeavor — and a bigger accomplishment than it might at first appear.

30
The Quiet Activism of the Quilt
Internationally renowned artist Hollis Chatelain '80 channels the struggles and dreams of humanity into complex, award-winning quilts.

36
Cadets on Campus
The curious history of the U.S. Army's short-lived attempt to create brainy soldiers for World War II, as recounted from memoirs and interviews with Drexel cadets.

DEPARTMENTS

UP FRONT

THE VIEW FROM MAIN

As 2022 comes to a close, Drexel's prospects are bright. We began a new academic year by welcoming an especially large, diverse and high-achieving class, *and* we wrapped up the most successful fundraising campaign in the University's history. Our generous donors — thousands of alumni like you among them — helped us to well surpass the ambitious $750 million goal we set. Each gift and every pledge represents a wonderful affirmation and a shared commitment to Drexel's future as an innovative, student-centered, co-op based, research-empowered, civic university with far-reaching impact.

I am deeply grateful for this support ... and quite mindful that we must keep our momentum going. *The Future Is a Place We Make* allowed us to invest in our students and faculty — laying a solid foundation for breakthroughs to come. Every campaign gift is a promise the University intends to fulfill through the vision of "Drexel 2030: Designing the Future."

Thanks to your generosity, we now can offer more scholarships each year to first-generation students and students from underrepresented populations — an assurance that future generations of accomplished Drexel alumni will reflect the dynamic diversity of our society.

The campaign has also enabled us to secure and grow our reputation as a leading research University. Our benefactors endowed 19 professorships, chairs and leadership positions in biostatistics, cybersecurity, engineering, entrepreneurship and public health. Attracting and retaining exceptional faculty translates into more richly rewarding academic experiences for our students and a flourishing innovation ecosystem for cutting-edge scholarship and translational research.

Drexel is better positioned to become a more just and equitable institution, thanks to the far-reaching support of benefactors who share our commitment to eradicating injustice in all its forms. There is much work to do, but critical support has enabled the University to take important steps, from appointing outstanding diverse faculty to launching the Ubuntu Center on Racism, Global Movements & Population Health Equity, which focuses interdisciplinary research on examining the social determinants of health.

We continue to aspire to serve as effective partners and exemplary neighbors in West Philadelphia. Beyond helping to improve the lives of those who live and work alongside us, our partnerships provide students with abundant co-op experiences and opportunities for research collaborations that advance the common good.

Our commitments to civic progress extend throughout the city. Through our investment in St. Christopher's Hospital for Children, the acquisition of the Atwater Kent Collection of the former Philadelphia History Museum, collaborations with the School District of Philadelphia, and alliances with dozens of businesses and non-profit partners, we are building and fortifying bridges that will better connect us all.

With all that has been accomplished already through your amazing support, I have tremendous confidence in our capacity to continue making the future a place filled with purpose, progress and pride.

Sincerely,

John Fry / President

EDITOR'S LETTER

Print? Digital? Or Both?

I have three questions for you.

The pandemic may be effectively over in America, but there are still some lingering symptoms. Speaking for magazine editors everywhere, I must point my finger at inflation and supply chain problems that have hammered paper budgets during the past two years — a malady that isn't going away.

This edition you're holding was almost a no-show because paper sold out at all of Drexel's usual print shops. Those that had sufficient stock for our hefty print run had astonishing prices, or labor issues that impacted services.

With those kinds of practical problems in mind, we began thinking of different ways to reach you, and I thought I'd start by asking you what you want.

At the start of the pandemic, the University shifted from printing *Drexel Magazine* three times a year to delivering one print and two digital editions.

That was intended to be temporary. But with the paper market so unpredictable, I see a couple of possibilities for the long haul.

We could create a digital-only hub that is platform agnostic — blending all of the University's content whether news, features, video, photography or social. This is how most of us consume news and I think it's where Drexel will end up someday. In the meantime, another option is to use smaller print runs to give you a choice. Those who prefer to receive a magazine just have to say so. Everyone else has the option of an e-newsletter, interactive flipbook or website.

Me, I love magazines. I'm all in for a publication I can browse without having to think about how to "access" it. No charging cords, no logins. The magazines that arrive at my home don't ask me to lift a finger, not even to swipe up.

But, I also love my smartphone. It's always there. It's *always* there. And when it's not, I'm not reading anything anyway.

But your opinion is what counts. Knowing what you prefer will help us decide where to focus our efforts, and it might make a difference in how you feel about hearing from us, so please, let us know.

The QR code on this page will take you to an incredibly brief (three questions!) survey, or you can use this link: bit.ly/DrexelMagazineSurvey.

I hope you'll let us know what you think.

Thanks for reading.

Sonja Sherwood / Editor

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Drexel
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COMMUNICATIONS

The Story She Was Meant to Tell

Writing and producing one's first feature film is a tough task, and for Julia Fisher Farbman, it was made even harder by a determination to get her beloved role model's story just right.
By Sarah Greenblatt

Julia Fisher Farbman, BS communications '12, has interviewed His Holiness the 14th Dalai Lama, Michelle Obama and the Duchess of York, but she's losing sleep over how to portray a woman most people have never heard of.

The feature-length movie she's producing and for which she wrote the screenplay represents her first foray into scriptwriting. With a seven-figure budget and starring the incandescent British actress Natalie Dormer — of "Game of Thrones" fame — the film was shot on location in Philadelphia in fall 2022.

What worries Fisher Farbman most, however, is making sure that she does justice to protagonist Audrey Evans, a pioneering pediatric oncologist, a determined philanthropist and a longtime family friend who passed away at age 97 on Sept. 29.

If Fisher Farbman has her way, "Audrey's Children" will make Evans a cherished household name.

Evans has already touched millions of lives, both by revolutionizing the treatment of children with neuroblastoma and by co-founding the Ronald McDonald House Charities at its flagship location in West Philadelphia in 1974. But her heroism unfolded in relative obscurity.

Recruited by C. Everett Koop, who was at the time surgeon-in-chief at

PHOTO BY ALICIA SLOUGH, COURTESY OF JULIA FISHER FARBMAN

Julia Fisher Farbman (left) found inspiration in Audrey Evans' remarkable life to write and produce her first feature film, "Audrey's Children."

Julia Fisher Farbman is an Emmy-nominated producer of projects that highlight humanitarians.

(COMMUNICATIONS, CONT.)

Children's Hospital of Philadelphia (CHOP), Evans in 1969 became the first chief of pediatric oncology at the hospital, where she founded the Children's Cancer Center. There, she developed the groundbreaking Evans Staging System for analyzing cancer progression, enabling doctors to determine the best course for treating children with neuroblastoma. The system has been credited with cutting patient mortality rates in half.

Evans also sought to care for the families, who often had no place to stay while the children were hospitalized. Toward that end, Evans advocated for development of the first Ronald McDonald House, for which Drexel alumnus Stan Lane (BS business administration '61) was instrumental in raising funds.

Making a movie about Evans became an obsession after Fisher Farbman produced a 10-minute video featuring the physician as part of the biographical "Modern Hero" series she created and hosted, which aired on Amazon. Not only did the episode about Evans receive 17 million views, but many people left comments crediting the physician with saving their lives, inspiring them to become doctors or maintaining ties to their families long after their children had died.

"I couldn't shake the feeling that I was meant to tell this story," Fisher Farbman says.

Writing and producing "Audrey's Children" represents a ripe opportunity for Fisher Farbman, who previously produced for the Disney ABC Television Group. While at ABC, she collaborated with U.N. Women to produce a three-part special, "Celebrate Equality: The Future of Women's Rights," which received an Emmy nomination in 2020.

The project also poses more than a few challenges.

"It's the hardest thing I've ever done," Fisher Farbman says. "I'm a perfectionist. I'm hard on myself."

There's the fact that she desperately wants her portrait of Evans to inspire audiences, while also fulfilling the expectations of a feisty family friend who was instrumental in getting her the care she needed at CHOP during a bout of appendicitis.

"She was very vocal about how she wants it to be told," Fisher Farbman says.

And then there's the business side of producing a feature film, which requires her to work through a to-do list that is "many pages long, every day."

"I thought raising the money would be the hard part," she says. "Every part is."

This past summer was dedicated to the decidedly unglamorous pre-production process, working with her team on scouting locations, figuring out insurance, maintaining myriad partnerships and filling out the cast — a task that became easier once Dormer signed on.

Fortunately, she got assistance from Matthew Chan, a senior at the College of Engineering who wanted to try something completely different by completing a co-op with Fisher Farbman. Chan did wonders with tasks like archiving thousands of images shared by CHOP.

Raising funds for the project represented an enormous hurdle, which Fisher Farbman cleared with a combination of determination and creativity.

"I had a million 'no's' but they feel my passion, and the time is never wasted," she says. "Most people who said 'no' pointed me in a direction to somebody else."

> "I had a million 'no's' but they feel my passion, and the time is never wasted."
>
> JULIA FISHER FARBMAN

In a flash of innovation that should make any Dragon proud, Fisher Farbman approached Susan Campbell, CEO of the Ronald McDonald House Charities in Philadelphia, to solicit support. The two devised a strategy whereby the nonprofit would provide an opportunity to raise grant funds to offset certain production costs. In return, some proceeds from the film will return to the charity. The arrangement allows smaller donors who are not able to meet the equity minimum to get involved in supporting the project.

"For the film, that is a huge thing," Fisher Farbman says.

To navigate the challenge of making the film, Fisher Farbman says she took advice from Evans herself.

"One of the things that Audrey taught me is that you take it one step at a time," Fisher Farbman says, balking at the suggestion that her ambitious journey echoes the one that Evans completed.

"She was an icon," Fisher Farbman argues. "I'm just trying my best over here."

On top of a job well done, making the movie will give the filmmaker the satisfaction of introducing the public to an iconoclast who married at age 80, bore no children of her own, transformed cancer care, helped launch a charity that has served millions of families and co-founded the St. James School, which provides tuition-free education to students in North Philadelphia.

Audiences flocked to a brief interview with Audrey Evans produced for Amazon

17
MILLION
VIEWS

The Ronald McDonald House Charities co-founded by Audrey Evans now has sites worldwide in

60+
COUNTRIES
& REGIONS

Physician retirements and population growth are contributing to a projected doctor shortage of 124,000 by 2034.

MEDICINE

Med School Gains Tar Heel Location

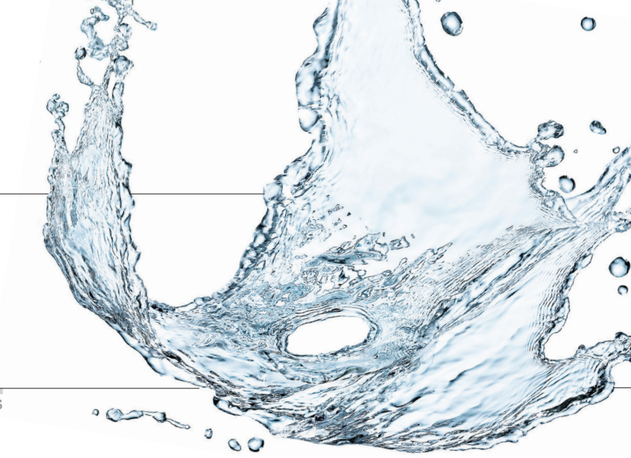
College of Medicine students can now choose to complete their third- and fourth-year clinical rotations at Cape Fear Valley Health System in Fayetteville, North Carolina.

"Third- and fourth-year clerkships are a transformative period for an aspiring physician," says Charles B. Cairns, senior vice president of medical affairs and dean of the College of Medicine. "This collaboration will be another setting available to our students where they can treat diverse patient populations and chart out their future in medicine."

The new regional campus expands the geographic scope of the college yet again. Last year, the college opened a four-year regional medical campus, the College of Medicine at Tower Health in West Reading, Pennsylvania.

The arrangement could help Drexel address a physician shortage that the Association of American Medical Colleges projects could reach 124,000 by 2034. More than 40 percent of U.S. physicians will be 65 or older within the next decade, while the population is expected to grow more than 10 percent, the association reports.

"The partnership with Drexel will support our efforts to expand the health care workforce," says Cape Fear Valley Health System CEO Michael Nagowski. "The need for more entries...is great."



NATURAL SCIENCES

Cool Installations Honor Water Year

Water is having far more than a moment at the Academy of Natural Sciences of Drexel University, which has designated 2022 as Water Year. Celebrations of this essential element have taken many forms throughout the summer and fall, including a series of exhibits and artistic installations supported by the Pew Center for Arts & Heritage.

Four separate but overlapping installations were on exhibit through Oct. 30, created by artists responding to watershed science and a desire to protect water as it traverses the urban landscape. The installations were designed to be experienced individually or together, in any order.

"The River Feeds Back," an immersive sound installation in the Academy's Dietrich Gallery, was created by artists Annea Lockwood and Liz Phillips. The artists created a layered sound map featuring recordings taken along 135 miles of the Schuylkill River from its headwaters to its mouth. Listening portals made of wood, slate and clay pottery enabled participants to hear swirling currents, the underwater antics of insects and fish, as well as the distinctive calls of birds, frogs and toads.

The artists also produced this auditory magic in an outdoor companion exhibit called "Inside the Watershed." Inside a specially designed arbor located on the Schuykill River Trail, visitors eavesdropped on live sound from an underwater microphone that revealed life hidden from view. Every half hour, five-minute recordings made underwater at the Black Rock Sanctuary near Phoenixville mixed with live sound from the river.

"How to Get to the River" offered participants an urban watershed adventure they could follow from the Academy down Cherry Street and back through a micro-watershed of the Schuylkill River. Developed by New Paradise Laboratories founder Whit MacLaughlin and collaborators Laia and Pete Angevine, the installation provided visual cues, trail blazes, embedded sound experiences and unexpected moments that elevate the urban watershed into a work of art.

Finally, "Attunement" was erected in front of the Academy on the Benjamin Franklin Parkway, based on designs by David Gordon in collaboration with New Paradise Laboratories and fabricated by Jordan Griska. Made from recycled materials, naturally amplified and inspired by the traditional Japanese ornament and musical instrument known as suikinkutsu, the public sculpture portrayed droplets of water forming larger geophysical structures.

Academy visitors were greeted by "Attunement," a 35-foot sculpture that musicalized the process by which a watershed transfers water across land to larger bodies of water.

Raj Suri will lead the new Innovation Engine, a project that blends learning, co-op and research.

CO-OP

Westphal Gift Boosts Co-op and Partnerships

A generous gift from Jeff Westphal will honor his father, Ray Westphal ('59, HD '02), while deepening Drexel's experiential learning and collaborative research mission. The gift establishes an Innovation Engine that will allow Drexel to put together muscular mechanisms to cultivate and expand relationships with co-op partners and infuse experiential learning into academics, research and innovation across the University.

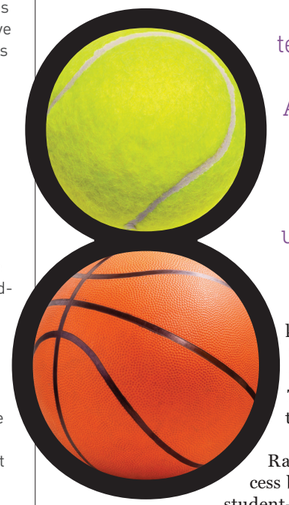
The Innovation Engine will build upon the success of the Drexel Solutions Institute, which in 2018 became the first centralized hub at Drexel dedicated to organizing interdisciplinary partnerships with external parties. Teams of students, faculty and external partners will collectively develop an array of projects shaped by student interests, faculty expertise and partner needs.

Raj Suri, who is senior vice provost for academic-industry partnerships, is leading the Innovation Engine. The project has begun with business development and communications staff hires to build bridges that amplify the University's R&D, innovation and talent capabilities to external partners.

With his gift, Jeff Westphal continues a family tradition that first began in 2005, when his father demonstrated devotion to his mother Antoinette Westphal ('59, HD '02) by pledging support that resulted in the naming of the Antoinette Westphal College of Media Arts & Design. At the time, that gift represented the largest single private donation in Drexel's history.

ATHLETICS

Brains *and* Brawn



Eight varsity athletic teams at Drexel received a perfect score on the Academic Performance Rate announced by the NCAA in June 2022. This marked an uptick from each of the previous two years.

On the women's side, the basketball, field hockey, soccer, tennis, swimming and diving teams garnered a score of 1000. The men's golf, tennis and wrestling teams achieved the feat.

The Academic Performance Rate monitors academic success by tracking the progress of each student-athlete on scholarship, every semester. The score accounts for eligibility, retention and graduation, providing a key measure of each team's academic strength.

The scores continue a pattern of academic prowess at Drexel, where the men's tennis, women's tennis and women's swimming and diving teams received perfect scores over multiple years. In addition, 14 of Drexel's 15 NCAA-sponsored teams are above the four-year national average, including both men's and women's basketball.

In July, the Colonial Athletic Association announced that Drexel was one of just two schools where four teams earned Team Academic Excellence Awards for the 2021–22 season. The award recognizes institutions with the highest collective grade point average in the 22 sports the association sponsors.

The Dragons received the honors in men's basketball, women's basketball, men's tennis and men's swimming and diving.

MXENES

Can MXenes Solve Mercury Contamination?

Not only is mercury incredibly toxic, but the evasive mineral — appropriately nicknamed quicksilver — has unique abilities to quickly alter its chemical form, making it difficult to remove from waterways where it collects and persists, threatening marine life and human health.

Mercury pollution has become so pervasive that health authorities recommend avoiding eating certain species of fish altogether.

A Drexel-led team has discovered a simple and effective new technique for removing mercury using MXenes, a family of two-dimensional nanomaterials with exceptional properties that was discovered at Drexel more than a decade ago.

College of Engineering Professor Masoud Soroush and his colleagues at Drexel and Temple University modified the surface of titanium carbide MXene flakes — which bear a negative chemical charge — producing an adsorbent that attracts and retains positively charged mercury ions.

By synthesizing carboxylated titanium carbide MXene, Soroush and his team were able to remove 95 percent of mercury ions from a water sample contaminated at a concentration of 50 parts per million within just one minute — faster and more effectively than adsorbents in current use.

Their method, which appeared in the Journal of Hazardous Materials, demonstrated that the material is sufficiently effective and efficient to be used in large-scale wastewater treatment.

For more about Drexel's research enterprise, see EXEL Magazine *at exelmagazine.org.*

Research

ENGINEERING

A NEW PARADIGM FOR ENERGY STORAGE

Drexel engineers joined international colleagues in erasing a long-imagined dividing line between batteries and capacitors — a step that could lead to more agile device development. By advancing a theory that places all forms of electrochemical energy storage on a continuum, the scientists hope to enable designers and manufacturers to produce devices with flexible, transparent, wearable energy storage and other unconventional electrical energy supplies.

BUSINESS

How Big Data Can Serve Society

As major companies and the government increasingly use big data in forecasting, researchers at the Bennett S. LeBow College of Business have identified new methods for preserving the privacy of individuals' information. Their processes could refine employment forecasting, monitor human trafficking across borders and enhance other functions while helping companies and agencies make meaningful plans and predictions without exposing individuals' data.

BIOMED

A Shot for Osteoarthritis

A new protein created by scientists in the School of Biomedical Engineering, Science and Health Systems could allow millions of osteoarthritis patients to avoid surgery and recover from joint injuries. When injected into cartilage tissue, the biomimetic proteoglycans — molecules that mimic naturally occurring, tissue hydrating proteins — stimulated cells at the molecular level, enhancing the ability to bear compression.

PUBLIC HEALTH

Opioid Insights

A rare upside to COVID-19 emerged as researchers logged improvements in patient outcomes, after federal agencies loosened restrictions on prescriptions for buprenorphine in response to the pandemic. Embracing telemedicine, allowing longer prescriptions and reducing drug screening requirements translated into more successful treatment for patients with opioid use disorder.

ENGINEERING

EV Charging Hits the Road

A breakthrough by Drexel researchers could pave the way to an in-road wireless charging system that can power electric vehicles as they are driven. An international team led by Drexel discovered that adjusting the frequency of voltage transferred creates the potential for inductive charging to occur under dynamic conditions.

ENGINEERING

Yes to Nano

Researchers in the College of Engineering have discovered a process to synthesize 1D and 2D ceramic materials at kilogram-scale under normal air pressure conditions, at room temperature, using inexpensive, environmentally benign sources. This development is a big step toward the cost-effective mass production of nanomaterials that can be used in medical technologies, energy storage and next-generation electronic devices.

PUBLIC HEALTH

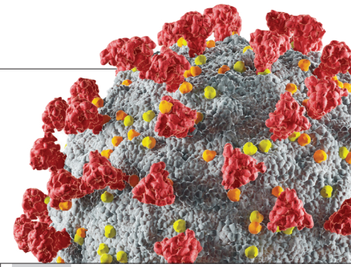
Don't Wash Your Chicken!

We've said it before and we're saying it again: it's *still* not safe to wash your raw chicken during food prep! Now Drexel is spreading the message in an educational program aimed at households, produced in honor of National Food Safety Education Month.

Jonathan Deutsch

Send letters to the editor to **magazine@drexel.edu.**

"The changes at Chester were conceived of and developed by the correctional officers... That makes this project unique."
— Jordan Hyatt



FOOD LAB

Growing Philly's Good Food Economy

The Drexel Food Lab teamed up with the Philadelphia Department of Public Health to create a business accelerator that promotes good nutrition, sustainability and local entrepreneurs.

The Good Food Accelerator supports small businesses that promote nutrition, fair labor practices and sustainability in communities adversely affected by inequities in the existing food system.

Companies chosen to take part receive support with product development and refinement, nutritional analysis, product testing, manufacturing and commercialization. Awardees also get help identifying partners to provide services like packaging and labeling.

"Good food is a staple of the Drexel Food Lab," says Jonathan Deutsch, professor at the College of Nursing and Health Professions and director of the lab. "We apply culinary arts and science to improve the health of people, the planet and economies through research and programming that help the lab understand consumers, develop new food products and introduce new products to market."

The inaugural cohort of businesses includes three food businesses and one co-packer:

Meals for Moms
TRIBU, owned by Mia Ormes-Dalton (BS hotel and restaurant management '02), provides health-supportive meals and fertility, prenatal and postpartum nutritional support with nutrient-dense soups, stews, broths and bites. The accelerator is helping refine the recipe formulas and nutritional analyses for three soups, while making recommendations for equipment, storage and packaging.

Ethnic Cuisine
Authentic Ethnic Cuisine of Philadelphia provides cultural experience through food, and is receiving help refining recipes and market research for four products, including Grama Jane's Jollof Rice, a West African-styled seasoned rice infused with tomato.

Restaurant
Saté Kampar, a Malaysian restaurant nominated for a James Beard prize in 2017, is receiving assistance with market research and optimizing recipe formulas for condiments and sauces.

Co-Packer
Honeysuckle Projects, a co-packer focused on Black and Afro-centric food traditions, is getting help bringing a blended breakfast sausage and a protein-powered ranch dressing to market.

DANIELA CONSTANTINI

CITIZEN SCIENCE

Spotting Heat Islands Takes a Village

Citizen scientists joined researchers from the Academy of Natural Sciences of Drexel University to document extreme heat and air quality across Philadelphia neighborhoods this summer as part of a project funded by the National Oceanic and Atmospheric Administration.

Each team traversed the city along specific routes, using special sensors mounted to the exterior of their cars that measured temperatures and air particulates. By pinpointing hotspots on a single day, the researchers gathered data that can inform the development of strategies to prepare for climate change.

Cities typically experience higher temperatures than nearby suburban and rural areas, and the negative effects of heat and pollution are often the worst in low-income areas where tree cover is inadequate.

Data that the researchers gathered will help city officials and community advocates to target resources where they are needed the most, according to Richard Johnson, who directs community science at the Academy and led Philadelphia's collaboration with NOAA.

Philadelphia was among 16 cities chosen to take part in this year's heat mapping study, though it was just one of two invited to also monitor air quality.

"Philly only has 10 air-quality monitoring stations," Johnson says. "We have a lot of industry, and this data could help the city decide that we need more monitoring stations, particularly in environmental justice communities."

To recruit "citizen scientists" for the project, Johnson engaged residents who live in urban heat islands by reaching out to community groups including Esperanza, Historic Fair Hill, Northeast Tree Tenders, Philly Thrive, Residents Organized for Advocacy and Direction, Southwest Community Development Corporation, Tookany/Tacony-Frankford Watershed Partnership and United Neighbors of West Oak Lane.

By the end of 2022, NOAA will provide maps reflecting the data collected, allowing the community to take steps to alleviate excessive heat.

CRIMINAL JUSTICE

DEPARTMENT OF CORRECTIONS

Renovations transformed the prison unit at SCI Chester into a livable space with a sense of community modeled after Scandinavian prisons. The unit was designed to create a more humane environment for incarcerated people and staff.

Scandi Norms in a Pennsylvania Prison

Little Scandinavia may sound like the name of a shopping district, but it's a new unit inside the State Corrections Institution at Chester featuring a communal kitchen and laundry room, planter boxes, an outdoor garden and individual cells that include mini-fridges. Importantly, it has something else unusual in an American prison: a high ratio of specially trained staff to incarcerated people, which allows for very different relationships between them.

Jordan M. Hyatt, associate professor in the Department of Criminology and Justice Studies in the College of Arts and Sciences and director of the Center for Public Policy, coordinated the effort to introduce this approach to corrections in a Pennsylvania prison.

In partnership with Kriminalomsorgen, the Norwegian Prison Service, Hyatt and colleague Synøve N. Andersen of the University of Oslo led a delegation of Pennsylvania corrections officials on an experiential learning program in prisons in Denmark, Sweden and Norway. After several weeks at a facility in Norway in 2019, the group prepared to apply some of the approaches they had encountered there at SCI Chester. In 2022, the full team returned to spend a week in a similar excursion in Sweden and collaborated with officers and leaders from Kriminalvården, the Swedish Prison and Probation Service.

The pandemic caused a two-year delay, but the brightly lit and comfortably furnished unit opened with a ceremony in May 2022.

Inmates order groceries from the community store, prepare their own food in the communal kitchen and sometimes share meals with corrections officers. Conversations about career goals and plans for returning to the community are part of the program.

Hyatt and his colleagues will conduct ongoing research to measure outcomes, including effects on prison climate and community reintegration.

The goal is to support well-being for inmates and staff, prepare incarcerated individuals to reenter society and reduce recidivism. If Little Scandinavia succeeds, it could inspire broader reforms in prisons across the commonwealth.

HEALTH

Keeping Up with COVID

When the next dangerous COVID variant emerges, Drexel researchers can be among the first to spot the signs, thanks to a computer model called GPBoost developed in the College of Engineering.

The model usaes machine learning algorithms trained to identify correlations between changes in the genetic sequence of the COVID-19 virus and upticks in transmission, hospitalizations and deaths.

The program can quickly home in on the areas of the genetic sequence that are most likely to be linked to changes in the severity of the variant.

"Our model is more like an early warning system for emerging variants," says Bahrad A. Sokhansanj, an assistant research professor who led development of the computer model. "When we get a sequence, we can make a prediction about risk of severe disease from a variant before labs run experiments with animal models or cell culture, or before enough people get sick that you can collect epidemiological data."

Genetic and patient data from the GISAID database — the largest compendium of information on people who have been infected with the coronavirus — were used to train the algorithm.

The researchers are currently using the model to more rigorously analyze the current group of emerging variants that will become dominant after Omicron BA.4 and BA.5.

Randy Stevens

Amy Throckmorton

INNOVATION

Seven Characters

THE STORY OF NO.

11202645

It can take an inventor years to receive an official U.S. patent, usually represented by a seven-digit number. But the full story behind most patents is much longer. Drexel College of Medicine Assistant Professor Randy Stevens developed **a surgical patch** to make it safer for cardiothoracic surgeons to treat children with congenital heart defects, and this is the story of how it came to be.
— Sarah Greenblatt

Every time a surgeon performs open-heart surgery, there are abundant risks. Those hazards multiply when a patient requires repeated cardiac surgeries, whether to repair a congenital defect or to address an acquired disease.

Scar tissue that forms post-operatively creates a new set of challenges for the surgeon, who must contend with these obstacles, in addition to addressing the patient's underlying clinical condition. Complicating matters further is the fact that the pericardium — a sac protecting the heart — must be opened during an initial cardiac surgery, leaving the organ especially vulnerable to any slip of the knife.

As a pediatric cardiothoracic surgeon, College of Medicine Assistant Professor Randy Stevens had encountered myriad complications when performing re-sternotomies — cutting open the sternum a **second** or more times. He also knew that colleagues performing the procedure on adults with acquired cardiac conditions sometimes opt for a less risky and less stressful intervention, such as inserting a stent through a groin, for which the payoff might be short-lived.

Stevens hoped to make re-sternotomies easier for surgeons and safer for patients. He envisioned a patch that could protect the pericardium and incorporate a built-in guidance track that would help steer the surgical tools his peers use during re-sternotomies.

Using paper napkins and plastic drinking straws, he fashioned a rudimentary model in the shape of a butterfly. He deliberately included a fold in the napkin, building in a capacity to expand, an important feature for a patch that would be placed inside the chest of a growing child.

That simple design provided all the inspiration needed for Amy Throckmorton, professor of biomedical engineering and director of the BioCirc Research Laboratory in the School of Biomedical Engineering, Science and Health Systems, to embrace the project. Having dedicated her career to devising new therapeutic strategies for pediatric patients, Throckmorton has gained extensive know-how in designing and patenting cardiovascular pumps and other medical devices.

Throckmorton invited undergraduate senior design students Youssef Jouichate, Rahul Akkem, Felix Agbavor, Shamayel Alroomi and Daniel Graciano to design, build and test a prototype of the butterfly patch that includes accordion pleats and tubes that can be used to guide surgical tools.

The team applied for the patent in July **2018** and received it in December **2021**.

Now the University is leveraging Drexel's Coulter-Drexel Translational Research Partnership to steer the butterfly patch toward commercialization. The group engaged a market research consultancy that conferred with **10** cardiac surgical specialists who agreed the need is great among pediatric patients. Next step: Attract a company interested in manufacturing the patch and revolutionizing re-sternotomy procedures for pediatric patients.

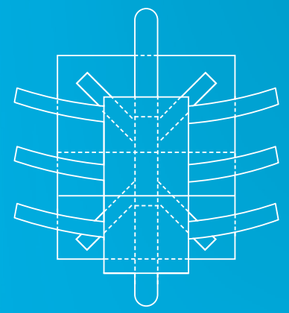


FIG. 1
This rudimentary diagram forms the basis of the patent for Randy Stevens' pediatric surgical patch.

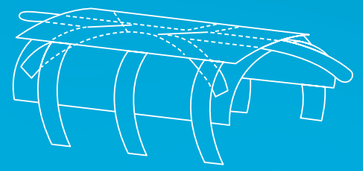


FIG. 2
The prototype includes accordion pleats and tubes that can be used to guide surgical tools.

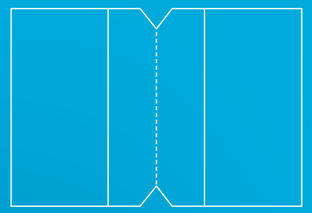


FIG. 3
A fold in the material of the patch allows it to expand as a child's chest grows.

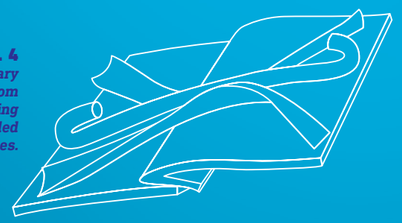


FIG. 4
Stevens' preliminary design made from napkins and drinking straws guided later prototypes.

A new campus installation awaits heroes to take their place in America's history of race relations.

WESTPHAL

Connecting through Cantatas

What would you do if professional musicians or singers asked you to join them in an impromptu performance on a Philadelphia street? Hundreds of city residents found themselves fielding such invitations when "Rehearsing Philadelphia" opened in the spring of 2022.

Presented by the Antoinette Westphal College of Media Arts & Design in partnership with the Curtis Institute of Music, "Rehearsing Philadelphia" engaged passersby to join accomplished musicians in public performances.

In Duet, singers were stationed at monuments and locations of collective memory throughout the city: Clark Park, Independence Historical Park and Love Park. They engaged passersby with the question, "Would you like to sing with me?" When the answer was yes, a short public rehearsal and performance ensued.

Unfolding in four modules, Solo, Duet, Ensemble and Orchestra, the project celebrated and elevated the city's cultural and sonic diversity after two years of pandemic-driven isolation.

Westphal College's Professor Miriam Giguere and the Curtis Institute's Mary Javian created "Rehearsing Philadelphia" in part to challenge western concepts of how an orchestra looks and sounds, reframing how we think about institutions, hierarchies and monuments, and redefining the position of music as socially engaged public art. The two drew generous support from the Pew Center for Arts & Heritage, which had never before funded an inter-institutional project.

CONRAD ERB

Renowned composer Tyshawn Sorey leads a workshop with Drexel and Curtis students as part of "Rehearsing Philadelphia."

ART

Theaster Gates' Famed Sculpture Sits...and Waits

A newly installed sculpture on Drexel's campus, "Monument in Waiting," offers a quiet counterpoint to the noisy national debate over Confederate and colonialist statues and creates a space for reconsidering history and heroes.

Featuring reclaimed stone plinths and granite tiles, the spare monument represents one of the first public sculptures to appear in Philadelphia by Chicago artist Theaster Gates, whose work has appeared in major museum exhibits from New York to Munich and from Washington, D.C., to Tokyo.

Gates, who teaches at the University of Chicago, draws on his earlier vocational pursuits in public service, urban planning and religious studies, celebrating overlooked spaces and elevating the experience of Black communities in the context of history, culture and land development.

"Until real heroes bloom, this dusty plinth will wait," an inscription engraved on one of the plinths proclaims.

The monument will be located until summer 2023 on Korman Quad, on 33rd Street, between Chestnut and Market streets.

"Our democracy was born in Philadelphia on a set of ideals," President John Fry says. "Having Theaster Gates' magnificent 'Monument in Waiting' installed at a busy pedestrian thoroughfare at the heart of Drexel's campus will give all passersby the opportunity to pause in contemplation about the progress we have made toward fulfilling those ideals, and the distance left for us to travel."

LACROSSE

Scoring in Life

Alumna Karson Harris has moved on from playing lacrosse for Drexel, but she's still racking up fresh stats. *By Mike Unger*

With the final seconds ticking away, Drexel trailed by one goal. Karson Harris (BS '21, MPH '22) wasn't having her best game, but with everything on the line, she sought out the ball.

"Her stats were not very Karson-like," says Interim Mary Semanik Head Women's Lacrosse Coach Katie O'Donnell. "But at the end of the game when we needed the ball in the back of the net, she took on that pressure, as your leaders and your best players do."

Harris scored with seven seconds left to tie the March 23 game at San Diego State, and the Dragons went on to win in overtime. The clutch performance was typical Harris, who during her five years on the lacrosse team was a star on and off the field. It was moments like these that prompted Harris' fans in the Drexel Athletics Department to nominate her for the NCAA Woman of the Year Award on July 14. Eleven days later, she was selected by the Colonial Athletic Association (CAA) as the conference's nominee for the prestigious award, which honors the academic and athletic achievements, community service and leadership of outstanding female college athletes. Harris is the first CAA nominee from Drexel since Gabriela Marginean (BS '10, MS '17) in 2010 and one of only 53 Division I nominees from the more than 220,000 female student-athletes competing across all NCAA divisions.

"Karson embodies the qualities we look for our student-athletes to illuminate in the classroom, competition and community," says Drexel Director of Athletics Maisha Kelly. "She excelled on the field, leading our program to new heights with our first two NCAA Championship appearances. Her efforts in lacrosse are only exceeded by her exemplary work in the classroom. Karson's legacy is highlighted by the culture she led for our women's lacrosse program, as the team committed to excelling as students, athletes and people. We are very proud to see her recognized for her accomplishments."

A native of southern Maryland, Harris was into horseback riding as a little girl. She didn't consider herself very athletic, but after her father, Douglas, suggested she try lacrosse, the two had a catch in the back yard.

"I was better than everyone thought I was going to be," she says. "It's such a fast-paced game. It's a team sport but you have so much control over what you do on the field. I love the strategy and the brain power it takes to be a good lacrosse player. It has to do with your athletic ability, but even if you're not the most athletic you can always outsmart people."

Harris received only one offer to play Division I lacrosse. Luckily, she was interested in the school that provided it. She knew she wanted to be a physical therapist and was attracted to Drexel's health and sciences program.

"The first two years were a little rough," she says of her career on the field. "There were some highs but mostly lows. My junior year we beat Rutgers and it was the first time we'd ever beaten a Big Ten school. At that point, I had hope in our future."

The next season was the most magical in the program's history. The team went 13-3 and made its first appearance in both the CAA Championship and NCAA Tournament. That year, Harris was named Drexel's Colonial Athletic Association's Female Scholar-Athlete of the Year.

After graduating with her undergraduate degree in health sciences, she came back for a fifth season while she earned a Master of Public Health degree in epidemiology. When her career ended, she was Drexel's all-time leader in goals with 211 and the CAA career leader in draw controls with 351. She also earned *Philadelphia Inquirer* Academic All-Area Performer of the Year honors in 2022, recognizing her as the player in the Philadelphia region who combined the best on-field performance with high-level academics among players from all NCAA divisions.

"Karson works very hard, and she succeeds on the field and in the classroom. It's not by accident," O'Donnell says. "But she doesn't take herself too seriously. That kid has a smile on her face the whole time in practice, the whole time in a game. She's always had her teammates' backs. She puts the team first. Of all the boxes, she checks them all."

Harris is now pursuing her PhD in physical therapy at the University of North Carolina. Her goal is to work with veterans at rehabilitation clinics.

When she looks back at her career at Drexel, she can't believe how far the lacrosse program has come.

"Playing in the NCAA Tournament isn't something that, when you're 4-12 your freshman year, you ever think is going to happen," she says. "We got more big time than I ever thought [we] would."

So did Karson Harris.

GABRIELA BARRANTES

HEALTH SCIENCES

8.25.22

A UNIFIED HEALTH SCIENCES BUILDING OPENS

First-year students weren't the only ones moving packed boxes into new digs this fall. Entire academic programs said goodbye forever to rented Center City office spaces and relocated permanently to Drexel's newest high-rise in University City. The Health Sciences Building at 36th and Filbert streets was built to house health sciences disciplines from three different schools spread across seven facilities, uniting them for the first time under one roof.

This co-location has been a long time coming. Drexel acquired the College of Medicine, the College of Nursing and Health Professionals, and what would become the Dornsife School of Public Health in 2002. In time, "One University" would become an institutional clarion call, but it wasn't until a parcel of land on the western edge of campus became available in 2014 that plans took shape to integrate Drexel's Center City and Queen Lane campuses not only philosophically and operationally, but physically as well.

While not all faculty and staff will make the move this year, the building is a major step toward bringing Drexel's programs shoulder to shoulder in West Philadelphia in a rapidly growing life sciences district where interdisciplinary innovation can thrive.

CRAIG SCHLANSER

1.
THE FOOTPRINT
The new Health Sciences Building is a key anchor within Drexel's 14-acre uCity Square development, which includes an array of newly constructed offices, retail, residential and life sciences labs alongside a new public school building that was created with Drexel support.

2.
THE PURPOSE
The 12-story building centralizes many of Drexel's health-related programs in the College of Nursing and Health Professions, the College of Medicine, and the Graduate School of Biomedical Sciences and Professional Studies. It is a significant milestone in the development of uCity Square — an urban live-work terrain that fosters serendipitous connections between research, entrepreneurship and the community.

3.
THE LAYOUT
Myriad amenities accommodate health professionals' diverse learning needs, including a state-of-the-art clinical simulation center, standardized patient exam rooms, a gross anatomy lab, a virtual reality classroom, a digital anatomy and imaging lab, and dedicated spaces for dance, music and art therapies.

4.
THE ECOLOGY
Architects and engineers from Ballinger used locally sourced Portland limestone cement, landscaped with native plants, and incorporated heating and cooling features that cut energy usage by 40% and fossil fuel emissions by more than 60% *below* those of contemporary code-compliant buildings.

FINAL STRETCH

FOR MCMICHAEL PLAYGROUND

The bright new playground at Morton McMichael School is a true village endeavor — and a bigger accomplishment than it might at first appear.

BY BEN SEAL

WHEN DOLLETTE JOHNS-SMITH returned to her school after summer vacation, she saw the first signs that this school year would be different. The cracked concrete that had been the nominal playground at Morton McMichael School for her entire seven-year tenure, as assistant principal and later as principal, was being torn up.

The empty schoolyard would soon be covered by fresh blacktop, filled with contemporary equipment and lined with plants and shade trees that would enliven recess when students returned for the new school year.

And the kids took notice. Each day when she left the building, Johns-Smith saw children outside, eyeing the construction in progress, exuberant about what they were watching.

"Oh my Gosh, Miss Smith," they yelled. "Did you see they put up some equipment?"

For the children of this K-8 public school in West Philadelphia's Mantua neighborhood, having a proper jungle gym is a revelation. Ever since a fire destroyed the original play area, whenever kids burst through the doors on the east side of the building for recess, they've had to run out onto a barren extension of the school's parking lot and make up their own games.

And while a playground may seem a modest addition, this project follows a decade of transformations at McMichael, a school that was saved from closure 10 years ago. Thanks to fruitful relationships with Drexel and a burgeoning civic association, the institution has made great strides. All along, renovation of the playground has been a long-running theme — a dream pursued doggedly by caring individuals that finally became reality when the playground was dedicated in August.

BRANDEN EASTWOOD

Debra Ruben, associate dean and professor of interior design in the Antoinette Westphal College of Media Arts & Design, brought interior design students and local schoolchildren together to share their vision for a rehabilitated play space at Morton McMichael School.

An Odyssey

For Debra Ruben, associate dean and professor of interior design in the Antoinette Westphal College of Media Arts & Design, those first installations of playground equipment were the culmination of nearly a decade of devoted planning, preparation and persistence.

She first imagined the playground as the follow-up to a similar project at the Blankenburg Elementary School, at 46th Street and Girard Avenue, where she secured funding for a repaved yard complete with basketball hoops, raised gardens, murals and play equipment. Ruben wanted to bring something similar to McMichael, so in 2012 she garnered the support of then-Principal Brian Wallace, Johns-Smith's predecessor, and taught a seminar in which Drexel graduate students asked second- through fifth-graders to share ideas about the playground of their dreams.

Ruben also led community-building workshops with McMichael students, teaching them about maps and learning about what mattered most to them in their community to ensure that the new playground would reflect their wants and needs. She invited the students to design their ideal schoolyard in clay — replete with ice cream trucks, a fountain or pool and all the grand visions an 8-year-old might muster.

But progress on the actual playground moved in fits and starts. A retaining wall on the north end of the yard raised concerns about structural safety. Questions about the water management plan led to delays and potential cost increases. Cobalt found beneath the concrete had to be safely removed. Legal conversations slowed things down at every step.

Plans for the space evolved numerous times along the way. Locking in the final funding required not just patience but a great deal of collaboration with the community. The final budget of more than $365,000 was pieced together from contributions and grants secured through Drexel, the Mantua Civic Association, the School District of Philadelphia and the school itself.

Through it all, Ruben stuck with the project and made sure at every step that it reflected the vision of the children and families who would use the playground. The children weren't satisfied with an empty yard. They told Ruben and her graduate students that they wanted a safe space where they could play without risk of injury, as well as equipment to swing and climb on. And although they appreciated the stately poplar at the east end of the schoolyard, they wanted more shade than it could offer. It will take time for the new plantings put in the ground this fall to grow, but in time the new playground will meet all those needs and more.

Because the playground's development was hampered by so many obstacles, it doesn't include everything that Ruben or the students dreamed it might — such as an outdoor classroom and rain garden. But she believes it will encourage everyone involved to keep pushing for more.

"This new playground is a beginning for McMichael, not the completion," Ruben says. "It is something that I hope will be added to with continued support from the community, teachers, families and Drexel."

Kid Creators: McMichael children shared their feelings about their community and their school with Drexel educators and graduate students through drawing, clay construction and magnet-making projects. Gradually, discussions with the children evolved into the idea of play. The children created conceptual drawings and models of what they'd like to see on the playground and got a chance to critique the Drexel students on their ideas.

JEFF FUSCO

An Institution

While Ruben worked toward getting McMichael a playground, the school was on a journey of its own. When she took up the project in 2012, McMichael had appeared on a list of buildings the school district planned to close due to dwindling enrollment brought on by changing property values in Mantua and the demolition of Mantua Hall, an 18-story public housing high-rise, in 2008. Fewer than 300 students currently attend McMichael.

Gwendolyn Morris, secretary of the Mantua Civic Association that formed in 2012 to revitalize the neighborhood, says Mantua residents were outraged that their lone school might be eliminated.

"Most of the people in this community went to McMichael," Morris says. "It's the only school this community's ever had."

Spanning nine grades, McMichael is a place where children truly grow up, and its roots run deep through generations of residents. De'Wayne Drummond, Mantua Civic Association president and a lifelong community resident, went to McMichael and has a grandmother who taught there. He says conversations in Mantua often turn toward classroom memories. Losing the school would have devastated the community, Drummond says.

"Without a public school in your neighborhood, your neighborhood is not going to be vibrant," Drummond says.

The school is a hub for the neighborhood, agrees Principal Johns-Smith. "If the community needs something, it starts here with us," she says. During the pandemic crisis, for example, she was in the building every Friday to ensure families could pick up food.

Drexel began building a relationship with McMichael in 2011 after receiving a $1 million education enrichment grant from PECO. Portions of the grant were divided between McMichael and the Samuel Powel Elementary School in the Powelton Village neighborhood as part of Drexel's commitment to supporting local education. Assistance has ranged from the routine — grounds work and volunteer clean-ups — to the personal, in the form of math and literacy tutoring and professional development from Drexel's School of Education.

So when the civic association began to rally the community to save the school, leaders turned to Lucy Kerman. As senior vice provost of Drexel's university and community partnerships, Kerman has steered several public school transformations in West Philadelphia, including bringing Science Leadership Academy Middle School (SLA-MS) to West Philadelphia and the relocation of SLA-MS and Powel Elementary to a new purpose-built building in Drexel's uCity Square.

Drexel stepped up with a raft of resources — refurbished computers, faculty expertise, positive behavior plans, library funds — to persuade the school district that McMichael's climate, culture and performance could improve.

From the beginning, improving recess was a priority.

"Recess is a famous time for either getting good energy out or inspiring bad energy that comes back into the classroom," says Kerman.

With that in mind, the University helped bring Playworks, a nonprofit that builds children's social and physical health through play, onto the McMichael grounds. From once being a chaotic part of the day at McMichael, recess became more structured, allowing children to return to class with focus.

But even as the school was rejuvenated and the community poured itself into fortifying its most cherished institution, the schoolyard languished.

"We've done a lot of things to create a more positive culture, a more positive climate," Morris says. "Having that space unused and underutilized just didn't make sense."

A Renaissance

Eight years ago, Mural Arts Philadelphia painted a vibrant mural — titled, "Micro to Macro" — around the school's exterior with vivid images that conjure math, science and the environment. When he looks at the mural, Drummond sees all the potential of McMichael's students.

'A's for Effort: Persistence paid off for Drexel's Debra Ruben, Principal Dollette Johns-Smith, and Mantua community leaders Gwen Morris and De'Wayne Drummond, who stuck by the playground project despite delays and obstacles.

Those students have played a significant part in improving the school. Their ideas informed the construction of the new playground. They were part of painting, cleaning and revitalizing the school's interior at a Martin Luther King Jr. Day event in 2017. Last year, they presented Johns-Smith with a detailed plan to redesign the school's bathrooms and secured funding to make it happen. She wants to motivate and empower the students, "so that if they think of things they want to see happen within the building, we can talk about it and make it happen," she says.

Change has come on the academic side as well. With Drexel's support, the school has brought in Steppingstone Scholars, an organization focused on educational and social mobility that offers after-school programming with an eye toward preparing middle-school students for their next steps.

When Kerman began working with McMichael, the school didn't have the infrastructure to encourage students to dream big, she says. But under the watchful eyes of its current and past principal, every eighth-grader now thoughtfully fills out the school district's high school selection form. They receive group informational sessions about high school choice, alongside individual guidance on the importance of high school for their future. Last year, 13% of McMichael's eighth-grade class were admitted to special-admission schools and 55% were admitted into schools with citywide admission, according to Steppingstone.

"Significant numbers of kids are really thinking about where they want to go to high school, and they're getting in," Kerman says. "When we started working with McMichael, that wasn't the case."

New Foundation

The playground is a steppingstone in its own way, filling a gap between McMichael's past and its present.

While digging up the old schoolyard, the construction team uncovered a foundation laid long ago…steel beams and rebar representing some unknown history for this section of Mantua.

Seeing it, Ruben wondered about what might have been there before. It was a reminder that in a city as old as Philadelphia, all progress rests upon earlier efforts.

"My hope is that this continues to create a spark in the kids," Ruben says. "I hope it jumpstarts them to want to do more and improve the site, through love and care and the games they play out there and how they use the space."

To Drummond, the playground represents hope for an educational upbringing that tends both to students' minds and bodies.

Johns-Smith is energized by all of the changes at McMichael. In the playground, which blossomed in the minds of McMichael's children, she sees a lesson for her students and the families of Mantua.

"When you have a vision, keep at it," Johns-Smith says. "Eventually, it'll happen."

ILLUSTRATIONS BY ADAM SIMPSON

DREXEL ASKED, AND YOU ANSWERED.

With the support of our alumni, parents, students, employees and friends, Drexel has just concluded the most ambitious and impactful fundraising and engagement campaign in our history.

The Future Is a Place We Make raised $806.6 million, exceeding its original $750 million goal, with more than 42,000 alumni engaged as event attendees, volunteers and donors.

Together, we are helping to build a stronger University and a better world. Funds raised in this Campaign are flowing toward scholarships, co-op stipends and services — creating access and opportunity for a more diverse range of talented students. New endowed roles are supporting interdisciplinary teaching and research, alongside new centers for learning, socializing and research. Our neighbors in West Philadelphia have access to new skills, resources and opportunities, thanks to projects supported by friends of the University.

"Our University is well-positioned to continue our important work, build on our momentum, support the innovative aspirations of our far-reaching strategic plan, 'Drexel 2030: Designing the Future' — all of which will build the next great chapter and evolution of Drexel University," says President John Fry.

The Campaign launched publicly in 2017, following a "quiet phase" that began in 2013. Momentum was powerful from the start, with two of the largest donations in Drexel's history coming in 2014 and 2015 — naming gifts for the Thomas R. Kline School of Law and the Dana and David Dornsife School of Public Health, respectively. The Campaign reached its goal six months ahead of schedule and surpassed the $455 million raised through the previous campaign.

"Exceeding our ambitious goals is a cause for pride and gratitude," says Richard A. Greenawalt '66, chair of Drexel's Board of Trustees and a co-chair of the Campaign. "But it also is an affirmation that at Drexel, if we set a course and work together, we can make anything happen. Drexel is a community of doers."

Generous gifts are going a long way toward advancing equity and inclusion, community partnerships, research and academics — key pillars of Drexel's transformational plan for the coming decade.

A major gift to the Dana and David Dornsife School of Public Health will bolster Drexel's work toward championing an inclusive culture. The school is now home to the Ubuntu Center on Racism, Global Movements and Population Health Equity, where researchers collaborate with community members who haven't historically had a role in influencing scholarship. Drexel's new Center for Black Culture drew support for scholarships, stipends, new spaces for social activities, art installations, events and a library. Additional major gifts will expand access and inclusion initiatives at the Bennett S. LeBow College of Business, Antoinette Westphal College of Media Arts & Design and the Kline School of Law and will enable more students to enroll at the College of Medicine. The Campaign also resulted in a bequest that has been designated for research and policy related to increasing equity in LGBTQ health care.

Partnerships that enrich academic initiatives and engage the community received massive support. One major gift will promote the Lindy Institute's role in shaping Philadelphia's civic design landscape, from making the Benjamin Franklin Parkway more people-friendly to assessing options in redeveloping a former refinery site in the city. Another will allow Drexel to launch an Innovation Engine that will accelerate external partnerships in teaching, cooperative education and interdisciplinary research.

Benefactors also got behind exciting new programs that ensure a thriving campus experience for students. A new artist-in-residence program was made possible at Westphal College, as well as curatorial fellowships at the Robert and Penny Fox Historic Costume Collection. Other gifts and bequests are supporting learning initiatives as well as arts and humanities programs.

Drexel is now home to a community legal clinic, corporate and nonprofit governance centers, an expanded early childhood education lab, and new and renovated spaces for teaching, socializing and athletics.

> Our friends and alumni are making Drexel stronger as we chart a path for our community to thrive and contribute to an equitable, sustainable and productive future.

Alumni showed up for Drexel — many inspired to contribute for the first time — not only financially, but also by pitching in as volunteers, by mentoring students and by supporting each other through networking events.

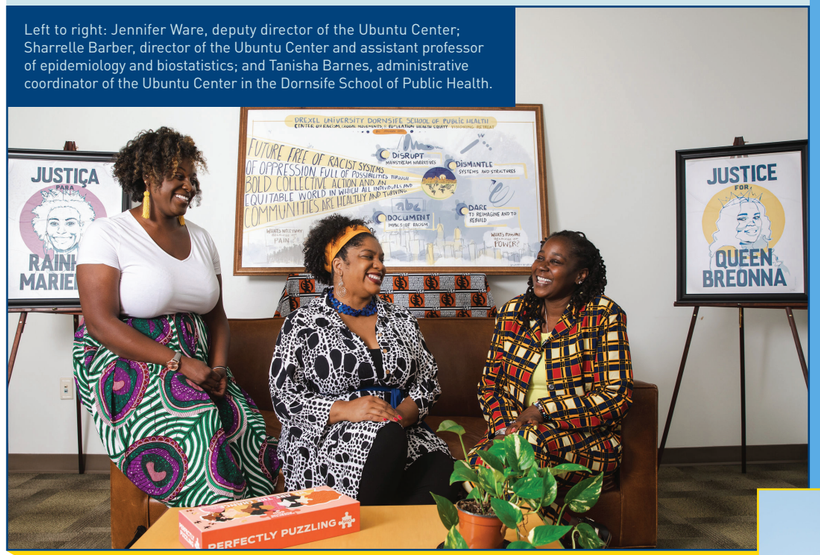
Even during the pandemic, support was strong for Dragons facing unexpected financial hardship and other challenges.

And even as this Campaign closes, it sets the stage for future fundraising that will put even greater growth and development within reach. Drexel will continue to advance the priorities outlined in the "Drexel 2030: Designing the Future" strategic plan. Achieving these ambitious goals will entail expanding support for scholarships, fellowships and student success; endowing more professorships and chairs; pursuing life-changing interdisciplinary research, and strengthening partnerships with our neighbors in Philadelphia and beyond. Our future ambitions will also bring a renewed focus to capital projects, including the new Health Sciences Building and renovation and expansion of Kelly Hall.

Thank you to everyone who rallied for Drexel. We are grateful that you believe in Drexel and the future that our community of dreamers, disruptors, artists, healers, visionaries and doers are making.

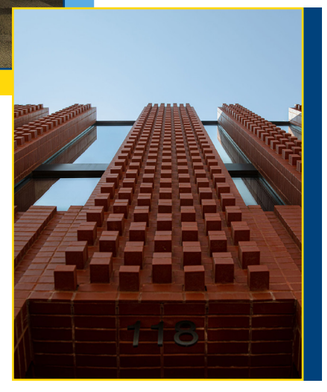
"YOU CAN NO LONGER TURN A BLIND EYE TO INEQUITABLE ACCESS TO HEALTH CARE AND TO DISPROPORTIONATE IMPACT ON OUR COMMUNITIES OF COLOR."

— Dana Dornsife '83, HD '14, benefactor and honorary chair of the Campaign for Drexel.

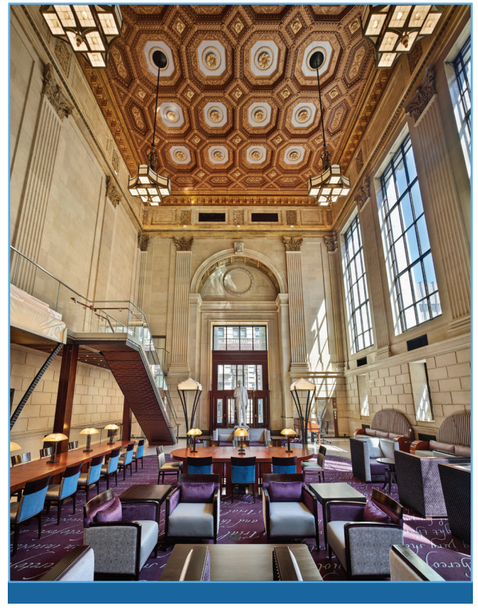


Left to right: Jennifer Ware, deputy director of the Ubuntu Center; Sharrelle Barber, director of the Ubuntu Center and assistant professor of epidemiology and biostatistics; and Tanisha Barnes, administrative coordinator of the Ubuntu Center in the Dornsife School of Public Health.

FIGHTING INEQUITY AS A PUBLIC HEALTH CRISIS With generous support from Dana '83, HD '14 and David Dornsife HD '14, the Ubuntu Center on Racism, Global Movements and Population Health Equity officially launched in November 2021. Under the leadership of inaugural director Sharrelle Barber, the Center aims to unite diverse partners to generate and translate evidence, accelerate anti-racism solutions and transform the health of communities locally, nationally and globally.



FEEDING MIND AND SPIRIT The Raymond G. Perelman Center for Jewish Life is the first building at Drexel constructed entirely through private philanthropy. With visionary support from the late civic leader Raymond G. Perelman, it opened in 2016 as a hub of Jewish experience on campus and the home to Drexel Hillel, serving thousands of visitors each year through Jewish education programs, holiday services and weekly Shabbat dinners. Architect Stanley Saitowitz drew on his own Jewish faith when designing the facility, which is inspired by the lines of a menorah. *The Philadelphia Inquirer* exclaimed, "It is one of those rare designs that feeds the mind as well as the spirit."



HALKIN MASON PHOTOGRAPHY

LEARNING IN THE MIDST OF GOVERNMENT, COMMERCE AND LAW A transformative gift from respected trial attorney and Drexel trustee Thomas R. Kline established the Thomas R. Kline Institute of Trial Advocacy in Philadelphia's Center City. Designed as a bank in the early 20th century by the iconic architect Horace Trumbauer, the distinctive neoclassical building was transformed in 2018 to accommodate trial practice rooms, cutting-edge technology and a ceremonial courtroom, allowing students at Drexel's Kline School of Law to polish critical advocacy skills in a setting that mirrors the professional landscape they will soon enter.

ALL PHOTOS BY GABRIELA BARRANTES UNLESS NOTED

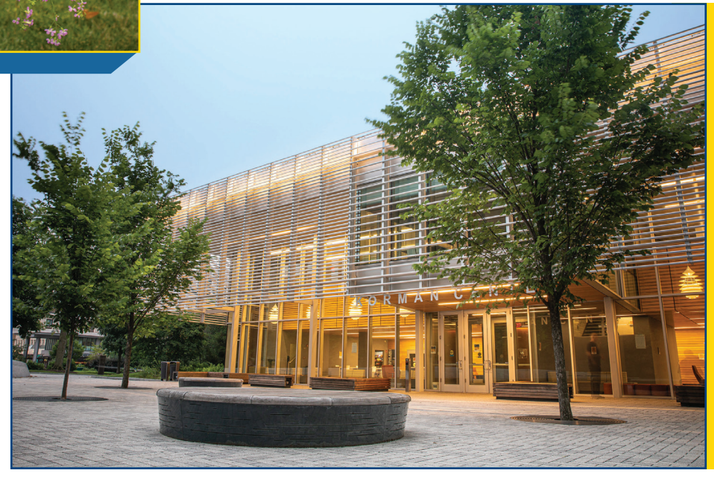
A WELCOME AND HELPING HAND TO THE COMMUNITY Located in the heart of the West Philadelphia Promise Zone, the Dornsife Center for Neighborhood Partnerships brings neighbors together with all of Drexel's colleges and schools and multiple nonprofit partners to offer stakeholder-driven programming that supports the health, wellness and stability of surrounding neighborhoods. An "urban extension center," it offers various programs that place Drexel students, faculty and staff alongside community members to solve problems in West Philadelphia.

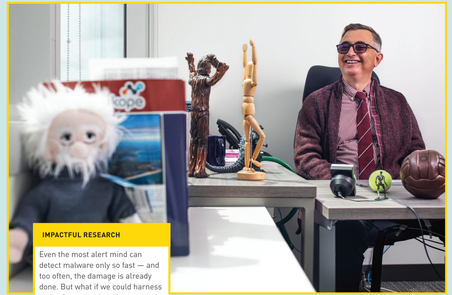
Environmental science graduate and Drexel Urban Growers member Alexis Wiley '22 harvests vegetables from a community garden run by the Dornsife Center for Neighborhood Partnerships, to be donated to West Philadelphia residents.

A DISTINCTIVE LIVING-LEARNING COMMUNITY Advancing the University's priority to enhance student life and experiences, the former Calhoun Hall was renovated and expanded to become Gregory and Caroline Bentley Hall. Thanks to support from Gregory, a Drexel trustee and chair of the Pennoni Honors College Advisory Board, and his wife, the transformed living-learning community functions as a hub for the Pennoni Honors College and its students, with seminar rooms and collaborative and flexible study and social lounges, including the Annette Pennoni Living Room.

Dornsife Center for Neighborhood Partnerships

A NEW HEART FOR THE UNIVERSITY CITY CAMPUS For many years, the central "quad" between Market and Chestnut streets east of South 33rd Street was nothing more than a shortcut between academic buildings. That changed in 2017 with the opening of the Korman Center and Korman Family Quad. The exterior is a vibrant green space with new walkways, trees, shrubbery and plentiful and varied seating for meeting, relaxing and hanging out. Like the Quad, the renovations and additions to the Korman Center focus on connectivity. The Center's original brick exterior was given new life by the addition of two stories of natural light-filled space and a welcoming front porch featuring wooden benches that open onto the Quad. The original Korman Center was built in 1958 and named in 1977 in honor of alumnus Max W. Korman '29 and his brother, alumnus and trustee Samuel J. Korman '34. Four decades later, the Hyman Korman Family Foundation furthered the family's legacy of philanthropy and service at Drexel through a generous gift, matched by the University, that made the rejuvenation of the Center and the adjoining Quad possible.





IMPACTFUL RESEARCH

Even the most alert mind can detect malware only so fast — and too often, the damage is already done. But what if we could harness technology to stop malware attacks in real time?

"If you're a victim of ransomware, by the time you get the alert, it's too late," says College of Computing & Informatics Professor Spiros Mancoridis. "You need to deploy heavy-duty machine learning and cutting-edge AI. Our whole lab is based on the assumption that the bad guys are definitely going to get on these computers, so what can we do to minimize the harm?"

Mancoridis is the inaugural holder of the new Auerbach Berger Endowed Chair in Cybersecurity, a position funded by a $3 million gift from Carol Auerbach and Albert Berger through their family foundations, the Isaac and Carol Auerbach Family Foundation and the Berger Family Fund with the Jewish Communal Fund, respectively.

The endowment has allowed Mancoridis to delve into long-term research exploring faster-than-human responses to malware with the support of three graduate students, who are investigating different aspects of the issue, such as detection and mitigation. In their hands-on lab, Mancoridis and his graduate students teach over 100 computing students a year how to keep networks and data safe in an increasingly digital world.

"An endowment gives you freedom to work on the problems you want and that often allows you to work on much more difficult and long-term projects," Mancoridis says. "If a company is funding you for a year, that project can't be that complicated. But with this funding, because it's in perpetuity, you can set a 10-year agenda."

"An endowment gives you freedom to work on ... difficult and long-term projects."

Spiros Mancoridis is the inaugural holder of the new Auerbach Berger Endowed Chair in Cybersecurity, one of 19 endowed professorships, chairs and positions created and funded during the Campaign.

STUDENT SUCCESS

Since María José Garcia Rivas arrived at Drexel from Honduras, she's had experiences she says she wouldn't have had anywhere else. A BS/MS biomedical engineering student and class president, Garcia Rivas is a Drexel Global Scholar and also holds the Dornsife Global Development Scholar and the Nina Henderson Provost Scholar scholarships, both established during the Campaign by their eponymous donors.

"It has meant that as someone coming from a low-income family, I was able to pursue high-level education," Garcia Rivas says of her scholarships. "It has been completely life-changing and allowed me to come to the States and have a groundbreaking education."

In June 2022, one of her scholarships paved the way for her to visit Ghana, where she observed innovation in her field firsthand while working on water sanitation and hygiene issues with the Dornsife Global Development Scholars Program. She says that, in her field, there's often a gap between ideas and putting workable solutions into action. After seeing the elaborate lab set up at her worksite in rural Africa, she says, anything seems possible.

"Biomedical engineering looks completely different here than it looks at home; here, it's about creativity and moving forward," she says. "I've been passionate about innovation and accessibility of tech in spaces like the one I grew up in in Honduras. But a lot of the time, when I had those conversations, it was like, 'Great, but that will be hard.' Now that I've seen it with my own eyes, it inspired me to be more vocal about it. It's easier to advocate for something that you've seen rather than something you dream about."

"I was able to pursue high-level education, and it has been completely life-changing."

BIOMED student María José Garcia Rivas is seeing the world and changing campus with help from $212 million in Campaign funding earmarked for student success.

PIONEERING TEACHING

New technology often makes its way into the world before law can catch up. The newly created Center for Law and Transformational Technology at the Thomas R. Kline School of Law helps to keep legal scholars and students ahead of changing trends.

The center's director, Assistant Teaching Professor Jordan Fischer, describes it as a hub of thought leadership, collaboration and discussion — with the intersection of law and technology at its heart. The center was made possible in 2021 by a grant from the Green Family Foundation.

In its inaugural year, the center has hosted impactful events, including a popular appearance by Amazon's general counsel. Discussions have covered blockchain, artificial intelligence and neural technology. "We've been able to put on programs, both in-person and virtually, that bring in people who are working in this space day-to-day who can provide core insight into what's really going on," says Fischer, who is a 2013 alumna of the Kline School of Law.

Fischer's current project is a fall symposium focusing on neurotechnology. "There are so many ways to think about [neurotechnology] from a human rights perspective or an IP trademark perspective ... we're diving into this area that's in its infancy," she says.

"We're diving into this area that's in its infancy."

Campaign donors contributed $32 million toward innovative learning spaces such as a new Center for Law and Transformational Technology directed by alumna Jordan Fischer.

A portion of $47 million donated to civic engagement projects has enabled Rachel López, director of the Andy and Gwen Stern Lawyering Clinic of the Kline School of Law, to expand beyond routine legal aid to fulfilling restorative justice requests from the community.

ALL PHOTOS BY GABRIELA BARRANTES UNLESS NOTED

CIVIC ENGAGEMENT

Community partnership is the essence of civic engagement, and so when a longtime community leader of the Mantua section of West Philadelphia asked Drexel's Andy and Gwen Stern Community Lawyering Clinic of the Kline School of Law for help commuting the sentences of two incarcerated elders, Professor Rachel López saw a chance to make the clinic more responsive to residents' needs.

"Jimmy Allen wanted us to petition on behalf of five people that he grew up with," explains López, who directs the clinic housed in the Dornsife Center for Neighborhood Partnerships. "They were now all in their 70s. His feeling was that they had served their time and transformed their lives and that they are needed back home, in part because of the impact they could have on the youth in Mantua."

A $1.45 million gift to the clinic in 2019 from Gwen and the late Andy Stern, a Drexel professor and a trial lawyer, respectively, came just in time for the clinic, where students at the Kline School of Law provide free legal services to community members living in underserved neighborhoods around Drexel. The clinic's "justice lawyering" approach includes giving priority to cases that involve systemic issues that impact many people.

The gift enabled the clinic to hire a staff attorney to handle common legal troubles such as title claims and employment discrimination. That created "breathing room," says López.

"Instead of being reactive, we can be more proactive and creative," she says. "We're able to step back and think more holistically about the needs of the neighborhood and develop deep partnerships with community organizations."

That focus paid off with the recent commutation of sentences for Mantua's Terrell Carter and James Jackson, who are both now back home in their old neighborhood and already making a difference, volunteering and bettering themselves, says López. She hopes to one day see the men get involved in the clinic's workshops on restorative justice, a rehabilitative path that allows people who have been convicted of crimes to heal the harm they've caused.

"We're able to think more holistically about the needs of the neighborhood."

JEFF FOSS

COURTESY OF PHILLY CHAMPIONS FOR CHILDREN

ACCESS AND INCLUSION

Wonder Woman and Spider-Man wowed youngsters in the crowd at a recent back-to-school carnival organized by St. Christopher's Hospital for Children, but the real superheroes were the health care workers at the hospital and the donors who made it happen.

Every year, St. Christopher's hosts a carnival for its patients and their families, and while these events are not the typical booming carnival celebrations with rides, thrills and fried food galore, they provide parents with plenty of respite. The carnival helps patients and local families prepare for the new school year with health and social services and backpacks filled with supplies. The Melchiorre Family Foundation is the main sponsor, supported by other corporations, individuals and foundations.

"Patients and families trust me with their children, and it's a tremendous privilege," says Renee M. Turchi, who serves as pediatrician-in-chief at St. Christopher's and is professor and chair of the Department of Pediatrics at the College of Medicine and clinical professor in community health and prevention at the Dana and David Dornsife School of Public Health. "From the bottom of my heart, I thank everyone who is supporting patients and families at St. Christopher's. You are making a real difference for many children and their families. They are so grateful."

Founded in 1875, St. Christopher's Hospital for Children is a critical resource for underserved families in North Philadelphia and beyond, as well as a pediatric training center for future physicians at Drexel's College of Medicine.

St. Christopher's Hospital for Children depends on its public and private benefactors to provide care and community support to low-income families in North Philadelphia.

"Patients and families trust me with their children, and it's a tremendous privilege."

December 2013

CAMPAIGN LAUNCH

April 2014

William Penn Foundation grants $3.2 million to the Academy of Natural Sciences to study water quality in the Delaware River Watershed, a critical source of drinking water.

June 2014

Trustee Vice Chair Stanley W. Silverman '69, '74 and Jackie Silverman endow The Stanley Professor of Entrepreneurial Leadership, held by Donna De Carolis, founding dean of the Charles D. Close School of Entrepreneurship.

September 2014

Trustee Tamara R. Kline provides a $50 million naming gift for the School of Law.

December 2014

The Academy of Natural Sciences receives the first of two anonymous gifts from separate donors — $5 million for an endowed fund for strategic initiatives, and $2.5 million to endow a chair for environmental initiatives.

May 2015

H. F. "Gerry" Lenfest donates $2 million to create the Center for Cultural Partnerships, supporting paid student co-ops in the nonprofit, cultural sector.

September 2015

Dana '83 and David Dornsife (both HD '14) provide a $45 million naming gift for the School of Public Health.

November 2015

Martha and I. Wistar Morris contribute $1 million to the President's Strategic Initiatives Fund at the Academy of Natural Sciences, the first of two separate gifts. Their second $1 million in December 2021 endows the executive director position for the Academy's Library and Achives.

June 2016

A.J. Drexel Plasma Institute is renamed the C. & J. Nyheim Plasma Institute in honor of a gift from trustee emeritus John Nyheim and Christel Nyheim.

October 2016

The Raymond G. Perelman Center for Jewish Life, supported by a September 2014 gift, is dedicated.

January 2017

Wellcome Trust grants $12 million to the Dana and David Dornsife School of Public Health to study the links between health, the environment and economic factors in urban Latin America.

August 2017

Thomas Dolan IV's $2.5 million gift creates the Dolan Initiative for Innovative Water Research at the Academy.

September 2017

Trustee Vice Chair Nina Henderson '72 funds the creation of the Nina Henderson Provost position.

September 2017

A $3 million grant from the Lenfest Foundation in honor of Gerry and Marguerite Lenfest establishes the Lenfest Foundation Endowed Co-op Fund for paid student co-ops in the nonprofit, cultural sector.

November 2017

PUBLIC PHASE BEGINS

January 2018

The Campaign for Drexel surpasses the $455 million fundraising record achieved during the previous campaign.

April 2018

A $2.5 million gift from Raj '72 and Kamla Gupta, matched by members of the Haas Family and associated foundations, expands and names the Raj & Kamla Gupta Governance Institute housed in the Bennett S. LeBow College of Business.

June 2018

Thomas R. Kline Institute of Trial Advocacy opens in Center City, supported by Kline's September 2014 gift.

June 2018

Dedication of the Korman Center and Korman Family Quad, thanks to a $8 million gift from Hy-man Korman Family Foundation made in May 2015, on the recommendation of its trustees, Berton, Leonard and Steven Korman.

September 2020

Gregory and Caroline Bentley Hall, including the Annette Pennoni Living Room and new spaces for Pennoni Honors College, opens thanks to a February 2019 gift from the Bentleys.

October 2020

Trustee emeritus William T. Schleyer '73, HD '06 and his family (including sons Edward MD '12 and William Jr. MD '14) provide $4 million in scholarship funds for students at the College of Medicine.

November 2020

A second gift of $9 million from the Dornsifes to their namesake school funds the Ubuntu Center on Racism, Global Movements and Population Health Equity; endows the dean's chair; and supports public health faculty.

May 2021

"24 Hours of Impact," Drexel's day of giving, surpasses $1 million for the first time, thanks to more than 5,400 gifts from the Drexel community.

September 2021

A new K-8 school building for Powel Elementary and the Science Leadership Academy Middle School opens in West Philadelphia, the result of collective efforts and funding including community and state leaders, Drexel, the School District of Philadelphia, Wexford Science + Technology, Ventas, PECO Exelon, Lenfest Foundation and other funders.

November 2021

Two anonymous donors give $3.9 million to establish an artist residency at the Westphal College and to support exhibitions, research and curatorial fellowships at the Robert and Penny Fox Historic Costume Collection.

January 2022

Alan, Elaine and Frank Lindy donate $5 million to further advance the Lindy Institute for Urban Innovation, continuing the philanthropic vision of their late father, Philip B. Lindy.

January 2022

A gift from The Charles and Barbara Close Foundation adds to its earlier grant that created and named the Charles D. Close School of Entrepreneurship.

March 2022

Ronald W. '72 and Kathleen Disney pledge $10 million to support students and advance access and inclusion initiatives, primarily at the Bennett S. LeBow College of Business — the college's second-largest gift ever.

May 2022

Jeffrey R. Westphal, the son and father of Drexel alumni, funds launch of a wide-ranging Innovation Engine to accelerate creativity and external partnerships in teaching, cooperative education and interdisciplinary research across Drexel — adding to an earlier commitment to establish the Freddie Reisman Center for Translational Research in Creativity and Motivation at the School of Education.

June 2022

A $5 million unrestricted gift from trustee Dick Hayne creates student apprenticeships at the Antoinette Westphal College of Media Arts & Design focused on fashion and other design careers in the retail sector.

June 2022

The estate of Beverly and Gordon Hattersley provides $4 million to support the care of the collections at the Academy of Natural Sciences.

June 2022

CAMPAIGN CONCLUDES

Campaign surpasses its goal, finishing at $806.6 million.

While a handful of super donors helped Drexel cross the finish line early, the success of this Campaign relied on many small gifts and countless acts of individual generosity.

$806M RAISED

42,000
ALUMNI ENGAGED

55%
donors who are Drexel alumni

6,253
record number of gifts collected in a single day of giving

2
schools and colleges named for donors during the Campaign

WHO GAVE

ALUMNI
$264M / 33%

FRIENDS
$226M / 28%

TRUSTEES
$119M / 15%

CORPORATIONS/ OTHER ORGANIZATIONS
$117M / 14%

FOUNDATIONS
$92M / 11%

FACULTY AND PROFESSIONAL STAFF
$12M / 2%

PARENTS
$11M / 1%

4,300+
households contributing at the A.J. Drexel Society level of $1K or more during an academic year

300+
endowed student scholarship, fellowship and program funds created (including 288 new scholarship funds)

9
prize and award funds endowed

1,300
new donor-supported co-ops (a 50% increase)

293
new members of Drexel's Legacy Society, who have included the University in their estate plans

19
endowed professorships, chairs and athletic coach positions created

42
operational and program funds for co-ops, research and other initiatives endowed

WHAT WAS SUPPORTED

Student success
$214M / 27%

Research
$170M / 21%

Academic support
$148M / 18%

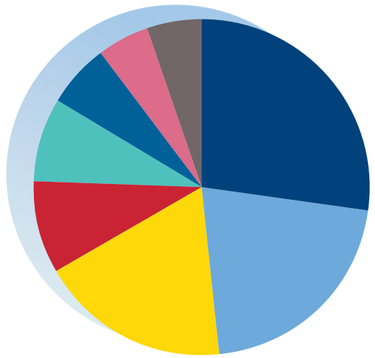
Academy of Natural Sciences of Drexel University
$70M / 9%

Unrestricted
$66M / 8%

Civic engagement
$48M / 6%

Endowed professorships and chairs
$38M / 5%

Learning spaces
$37M / 5%



THE QUIET ACTIVISM OF THE QUILT

Internationally renowned artist Hollis Chatelain (BS '80) channels the struggles and dreams of humanity into complex, award-winning quilts.

Story by Janine Latus | Photos by Alex Boerner

Applying colorful dyes to fabric is a distinctive element of Chatelain's quilt design process.

HOLLIS CHATELAIN DREAMT she was in a room the size of a football field. At the other end was a boy, bright orange and gazing directly at her, beckoning her to approach. As she drew closer, she could see images of children floating over his face. Some were laughing and going to school, some were already working. One was a child soldier, another a girl forced into prostitution.

"He was asking me to pay attention, to listen to the stories of our children," she says, "because they were in peril and people weren't realizing it."

Chatelain is an artist whose ideas come to her in dreams that recur if she ignores them. She's been having nearly monochromatic dreams for more than 20 years, most of them about social and environmental issues, which she turns into art quilts that are technically and emotionally intense.

She knew she had to give the boy she dreamt of a voice, so she spread an expanse of white cotton broadcloth bigger than a king-size sheet across a worktable in her sunny North Carolina studio and began painting. Chatelain uses dye the thickness of maple syrup. It soaks in and becomes part of the fibers, unlike paint, which is easier to use but just lays on the surface. First, she painted the boy's eyes, intensely gazing directly at the viewer, just as she had seen them in her dream. She added waves of orange, then used soft, waxy Prismacolor pencils to sketch the outlines of not just the boy's face but also the ghostly other faces that represented those imperiled children from all over the world.

Chatelain had taught herself to draw faces while in Africa, where she served in the Peace Corps for two years after she graduated from Drexel with a degree in design in 1980. There she met her husband, Reynald, a volunteer from Switzerland who in his time on the continent had created a library, a garden cooperative, an artisan's center and a model farm. It was love at first sight. They married in a traditional village ceremony, the wedding party dressed in colorful Kente and Adire cloths, strands of traditional beads around the women's necks. She gave birth to their first child in Togo, delivered under kerosene lamplight by Togolese midwives in a bush hospital.

When her Peace Corps stint was up, they moved to the Philadelphia suburbs, and then to Switzerland. There are few opportunities to volunteer in Africa from the United States unless you're sponsored by a missionary group or USAID. There would be more prospects, coming from Switzerland. At first — now with two children — they planned to stay in Reynald's home country, but then they saw an ad for volunteers in Burkina Faso.

"We just looked at each other and knew that we were going to go," she says.

They stayed for five years, Chatelain working with solar cookers but also teaching herself and others to draw. They moved to Mali, then Benin, for a total of 12 years in Africa. They adopted a child from an orphanage and eventually returned to the States so their children could become acclimated to American culture before college. Chatelain began painting the people she missed the most, and Reynald traded in his career leading humanitarian organizations to raise the kids and manage the business side of Chatelain's work.

Painting is just one step in Chatelain's process. Using a 1994 Bernina sewing machine, she adds anywhere from 18,000 to 25,000 yards of thread, crafting the planes of a face, the shape of a body.

"Quilting is like anatomy 101," she says. "You're in essence creating the structure through the contours of the different parts of the body."

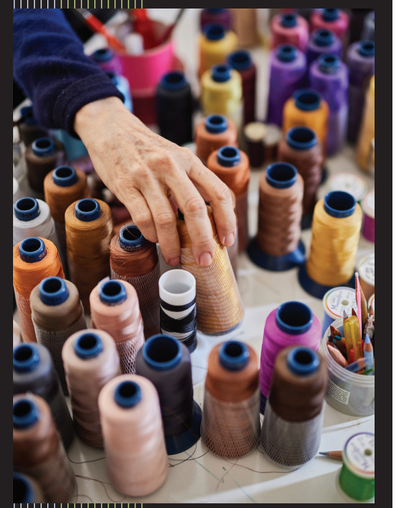
Chatelain studied the human form in life drawing classes at Drexel, and also pored over anatomy books to deeply understand the bones and muscles, the sense of movement. She free-hands the quilting in one-eighth-inch stitches, changing her sewing machine's thread about 200 times a day.

Chatelain fits into a rich historical tradition of quiltmakers plying their craft in the service of human rights and social causes. One dream came to her in a hot pink. It depicted one of her daughters, who has no children, standing in a field, a baby on her hip, staring directly at the viewer. The background sky was covered with quotes about women. Chatelain painted it in 2015 and began quilting, stitching in 400 quotes in her own handwriting. The work began to feel technical, though, so she set it aside and — with encouragement from students she teaches — created a coloring book instead, introducing children to the joyous lives of people in Africa. When she returned to the quilt in 2018 she knew why it was hot pink: Women in pussy hats had just marched on Washington.

That quilt and two others were hung this spring in an 18-quilt display in the Clinton Presidential Library, a show that was supposed to coincide with the 100-year anniversary of women earning the right to vote, but COVID delayed it. One of her entries depicts two African American women wearing bright white "I Voted" stickers, to highlight that many of them did not get the right to vote until passage of the Civil Rights Act of 1965.

Traditionally, sewing machines have teeth called feed dogs beneath the foot, pushing the fabric ever forward. Then manufacturers responded to quilters' requests to make it possible to lower the feed dogs, freeing the artist to move the fabric as she chooses. Quilting, in all of its forms, is a $4.2 billion market in the United

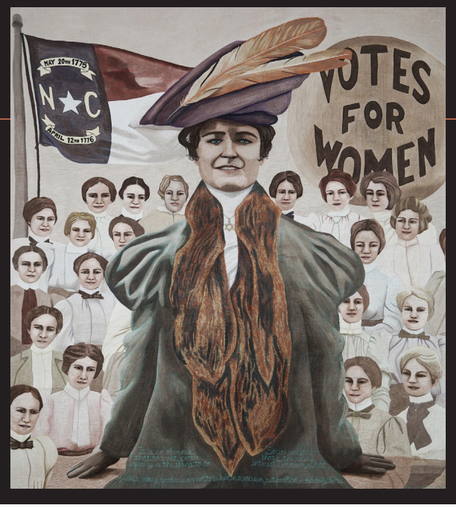
The line of refugees depicted by Chatelain in "Exodus" came to her in a dream during the Darfur War.



Chatelain free-hands the quilting in one-eighth-inch stitches, changing her sewing machine's thread about **200 times** a day.

"Equality" is the result of a series of dreams in which Chatelain pictured her daughter and her granddaughter surrounded by crows and hundreds of quotes about the power of women.

This quilt was displayed in the Clinton Presidential Library this year in honor of the 100th anniversary of women gaining the right to vote.



Chatelain's portrait of suffragist Gertrude Weil is one of many quilts held in public and private collections around the world. This one belongs in a public building in Chatelain's hometown.

Using a 1994 Bernina sewing machine, Chatelain adds anywhere from **18,000 to 25,000 yards** of thread, crafting the planes of a face, the shape of a body.

States, according to the Craft Industry Alliance trade association. About 20 percent of that comes from art quilters.

Chatelain's work has been shown around the world. In 2020, 25 of her pieces served as backdrops for a forum on diversity and inclusion at the Washington, D.C., offices of consulting firm Booz Allen. It was a dream 15 years in the making.

"I want my work to speak to people, to bring awareness to subjects, to move people, to emotionally affect people, to make them think about these issues," she says. "That's one of the reasons I work as large as I do, because it's harder to walk away from a really large piece."

Her piece, "Exodus," dreamed all in white, depicts a woman grieving. Behind her is a line of refugees trudging out of the picture. On the right is a village, fading away. It is about the Darfur War, dreamt during the height of the genocide.

"The people who left Darfur weren't poor," she says. "They left because they were being attacked. So they weren't in rags. They actually had beautiful clothing, beautiful scarves, and I wanted to somehow portray that, but it was all faded."

In museums, people stand in front of "Exodus" and weep.

Another of Chatelain's works is of Archbishop Tutu, his purple gown so richly quilted that the fabric appears to drape and flow. Drawn toward him "as if he were the pied piper" are children, their faces eager. In Chatelain's dream, he was standing in a field, representing hope, tolerance and love. She didn't feel she could quilt it without communicating with the archbishop, though, so that she could get it right. She was teaching a quilting workshop in 2005 when a woman invited her to teach somewhere else. "Archbishop Tutu will be there," the woman said. So they met. He looked through her portfolio, running his fingers over the faces, then gave her his blessing to do the piece. The children come from countries around the world. She researched what they would be wearing, how they would style their hair. When it was done, she sent it to Michigan State University, where Tutu was slated to speak. Afterwards, he sent her an email.

"We were photographed in front of your lovely work. You got my nose right. Thanx for that. Luv & Blessings, Arch." The quilt won 2007 Best of Show at the International Quilt Festival in Houston, the largest annual quilt show in the world, with more than 60,000 attendees and a top prize of $10,000.

"He's larger than life size, so it's a really big quilt," she says. "During the show people were just sitting in front of it, cross-legged, staring at it for hours."

Chatelain's textile portrait of suffragist Gertrude Weil will soon hang in one of the public buildings of Weil's hometown, Goldsboro, North Carolina. Others are in the permanent collections of the owners of The Discovery Channel; The American Embassy in Mali; the Durham Public Library in North Carolina; and the National Quilt Museum in Paducah, Kentucky. They're in private collections around the world.

"Hollis' quilts come alive when you look at them," says Deb Geyer, executive director of the Marion, Indiana-based Quilters Hall of Fame, which last year held a 30-year retrospective of Chatelain's work. "She sees something in the person and then expresses it through her art."

Chatelain believes work like hers can change minds.

"Art can make people think, and taking time to look at it can make a big difference in the world," she says. "Activist art or political art doesn't have to be shocking. Sometimes a whisper can be more powerful than a scream, and that's what I want my art to do, to pull people in.

"You see it from the distance, and it is pretty graphic," she says. "But then, if you're willing to approach, there's the gift of the stitching. And that tells another story."

Cadets on Campus

The curious history of the U.S. Army's short-lived attempt to create brainy soldiers for World War II, as recounted from memoirs and interviews with Drexel cadets.

BY THOMAS HARPER KELLY

COURTESY HISTORICAL SOCIETY OF PENNSYLVANIA

The Army Specialized Training Program curriculum mandated several hours of physical education each week. Cadets trained at the athletic fields at 46th and Haverford.

THE UNITED STATES' ENTRY into World War II heralded a massive expansion of the Armed Forces and panic in the halls of higher education, which fell quiet as the nation marched to war. In the first year of the war, college enrollments nearly halved, dropping from 1 million to 600,000. Some college administrators worried they would have to temporarily close their doors, and government officials fretted that if the conflict was long-lasting, the military would find itself in need of soldiers with technical training that the Army could not provide.

The government solved this dilemma with a plan to train the brightest soldiers at the nation's colleges in subjects with military applications like engineering, medicine and foreign languages. The Army Specialized Training Program ("ASTP"), as it was known, would both breed brainy soldiers and save struggling institutions like Drexel, known in those days as the Drexel Institute of Technology.

The Army, however, was never very committed to the idea of providing higher education to soldiers, regardless of their academic abilities, when it was fighting an unrelenting global war. While there may have been a benefit in specialized training, their keenest need was for combat troops — and there was already a shortage of those. On the eve of the ASTP's introduction, the commander of the Army's Ground Forces, General Lesley McNair, bemoaned that "with 300,000 men short . . . we are asked to send men to college!"

McNair's protests went nowhere, but as Drexel's brief history with the ASTP experiment showed, his concerns were prophetic.

"The standards of Drexel are very high"

On July 13, 1943, the 3318th A.S.T.U. (Army Specialized Training Unit) was established at the University. By the end of the month, there were approximately 400 cadets on campus, and that number would swell to 727 by October. They were greeted by University President George P. Rea, who hoped that they would "have a full share in our college life and make their own valuable contribution to it." Rea's warm sentiments were counterbalanced by the unit's commander, Col. Ernest C. Goding, who sternly reminded the young men: "Your main mission is to study and to study long and hard" and "[t]he standards of Drexel are very high. . . I urge you to exert your utmost energy so that you will get the most out of the course both for yourself and your government."

All the cadets assigned to Drexel were in training programs for engineering. Under the ASTP, the engineering curriculum was broken into basic and advanced phases. The basic phase, meant to be equivalent to the first one and a half years of college, consisted of three 12-week terms of "general engineering" that were composed of classes in English, history, geography, geology, mathematics, physics, chemistry and engineering drawing. The advanced phase was intended to provide coursework normally found in the second half of the college sophomore year and develop the skills of the trainee to a point "commensurate with the Army's needs."

The necessity of covering such vast amounts of material in so little time meant that the daily routine for the cadets at Drexel was intense.

There was a grueling 59-hour weekly schedule made up of 24 hours of class and laboratory, 24 hours of study, six hours of physical education, and five hours of military training and drill.

James F. Sterner, a cadet from Wilmington who had completed his freshman year at the University of Delaware before joining the Army, called the program "100% business."

The cadets were billeted on the second and third floors of the Hotel Philadelphian at 39th and Chestnut streets (now the Chestnut Hall Apartments) and ate their meals in the hotel's ballroom turned mess hall. York native Philip E. Rohrbach detailed the daily routine of the Drexel cadets:

> We would get up at 0600 hours and go down for breakfast by 0630 hours. We would always be dressed in our Class A uniforms. At 0730 hours, we would form in a column of threes outside the hotel and march down Chestnut Street to Drexel. It made no difference what the weather was like, we would march down to the school in the morning for 0800 hour classes. At 1130 hours, we would march back for lunch at 1200 hours and march back to school for 1330 hours class. At 1630 hours we would march back to the hotel for dinner at 1730 hours. After dinner, we would hit the books until whatever time we finished our homework assignments.

Each weeknight, there were strictly enforced study hours from 7 p.m. to 10 p.m., and bed check was 11 p.m.

Given the hectic pace of study, it is hardly surprising that many cadets struggled to keep up. Only weeks after Drexel welcomed its first cadets to campus, dozens had flunked out of the program. Cadets voiced their frustration in *The Triangle*, criticizing the ASTP program and the seemingly unattainable standards that Drexel appeared to be setting. One cadet joked, "When someone invents a machine in which you put a man, with a year and a half of high school math, in a chair, turn on a switch, and bring forth a young Einstein, then, and only then, will Drexel be able to uphold the standards it has set."

The Drexel cadets may have had a point. Army programs at other schools, and in other subjects, were not as rigorous. Alexander Hadden, an ASTP cadet studying French at the University of Illinois, described his program as a joke, with rampant cheating that contributed to an atmosphere "so ridiculous that almost no one took it seriously."

If the Drexel cadets expected sympathy, they certainly did not receive it from other Drexel engineering students. An anonymous student responded to the cadets' gripes in *The Triangle* by reminding them of Drexel's reputation, and pointing out that it was common for all engineering students to struggle:

> Drexel's standards are high! This is an engineering school, not a "country club." ...At Drexel an average of one-third of the original entering class of engineers graduates... We who have studied to pass in the face of these high standards, who have in many cases worked hard to pay for what you get for free, who pride ourselves that someday we will be graduates of a school producing good engineers, don't want the standards lowered...Drexel has an obligation to its thousands of graduates — past, present and future — to maintain its standards and reputation.

While there were efforts to meld the ASTP cadets with the student body by hosting dances and concerts, wartime issues of *The Triangle* abound with examples of sparring between the civilian students and the ASTP-ers. But the simple fact was that the cadets had very little time to socialize, and the brutal cadence of the program led to more and more of them flunking out.

Cadets had little time for socializing, but who could blame them for joining a co-ed in the tradition of rubbing the toes of "The Water Boy" statue for good luck?

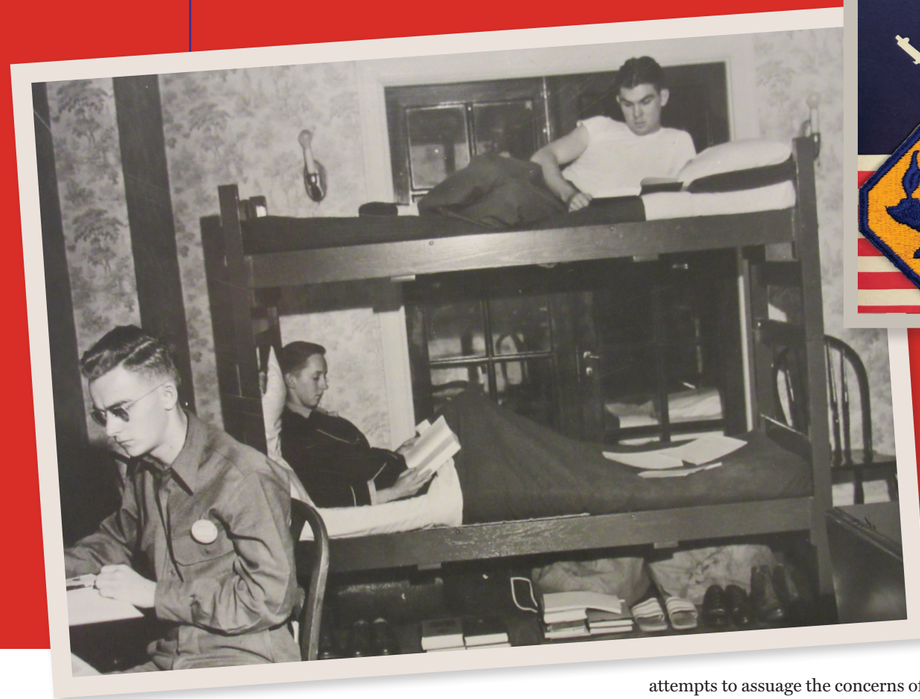
"Why aren't you fighting?"

As 1944 began, persistent rumors circulated about the future of the ASTP program. With U.S. forces committed to battlefronts all over the globe, the withholding of intelligent and fit soldiers on college campuses became even less tenable.

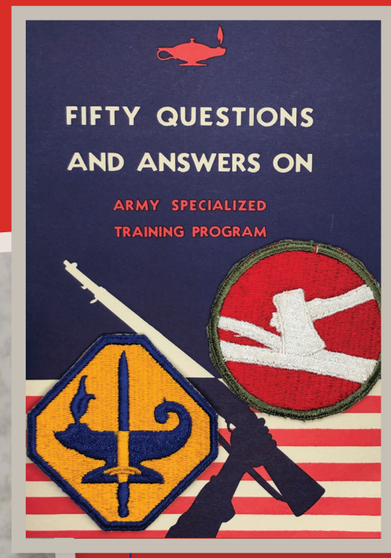
The cadets themselves were keenly aware of how little they appeared to be contributing to the war. Cadets joked that ASTP stood for "All Safe 'Til Peace" and the unofficial "ASTP Anthem" included the following stanzas:

> Take down your service flag Mother,
> Your son's in the ASTP
> He won't get hurt by a slide rule
> So gold star never need be.
>
> We're just Joe College in khaki
> More Boy Scouts than soldiers are we
> So take down your service flag Mother,
> Your son's in the ASTP.

Even the daily march to campus could be a reminder of how war seemed to be passing the cadets by. Cadet James Nichols recalled they were sometimes heckled as they marched down Chestnut Street with "My son is in the South Pacific. How come you get to live in a hotel and go [to] school?" or "My boy was shot in Africa. He's in the hospital. Why aren't you fighting?"



Drexel ASTP cadets studying in their room at the Hotel Philadelphian, where all the cadets lived and ate their meals in the ballroom.



The insignia of the ASTP (left) is the lamp of knowledge superimposed with a sword. Cadets sometimes referred to it as "the pisspot and reamer" and "the lamp of flaming ignorance." At right is the insignia of the 84th Infantry Division, the "Railsplitters," where many Drexel cadets were eventually assigned, to their dismay.

RIGHT: COURTESY HISTORICAL SOCIETY OF PENNSYLVANIA. LEFT: DREXEL ARCHIVES

American units fighting in Italy were suffering tremendous casualties, the invasion of France was looming, and even though Congress had approved the drafting of fathers, the Army was still short some 200,000 men. Chief of Staff General George C. Marshall wrote to Secretary of War Henry L. Stimson on Feb. 10, 1944, laying out in stark terms the challenge and its potential remedy:

> I am aware of your strong feeling regarding the [ASTP]. However, I wish you to know that in my opinion we are no longer justified in holding 140,000 men in this training when it represents the only source from which we can obtain the required personnel, especially with a certain degree or intelligence and training, *except by disbanding already organized combat units*. . . our need for these basically trained men is immediate and imperative. [emphasis original]

Stimson had no choice but to drastically reduce the ASTP or risk seriously inhibiting the Army's ability to effectively fight the war. On Feb. 18, 1944, just seven months after the first cadets arrived at Drexel, the Army announced that the ASTP would be reduced from 145,000 to only 35,000 men.

"The dear days at college are over"

Even before the reduction of the ASTP was announced, there were attempts to assuage the concerns of the cadets. An article in the Army's *Infantry Journal* reminded them, "You can be certain that you would never have been picked out of several million men and sent to school for the better part of a year, unless there was a coming need of trained and educated men of your caliber" and that at the end of their training "every soldier in the ASTP will be ready for greater war responsibilities."

Indeed, some ASTP-ers considered themselves a "substantial cut above the average G.I." However, they would soon learn those "greater war responsibilities" would require neither their above-average intelligence nor specialized training.

The announcement that the ASTP would be shut down at Drexel was met with mixed emotions. In the preceding months, Philip Rohrbach had watched as half of his class washed out and he believed "I would have flunked out at the end of term, if it had lasted." Cadet Allan Howerton didn't like it at all: "That we were full of resentment was an understatement. We were mad as hell and powerless to do anything about it."

The consensus expressed by some in *The Triangle* was that the ASTP-ers had gotten a "raw deal." Former cadet Pfc. George Hart put the feelings of many to verse:

> Say good-bye to the slide rules and textbooks,
> Say good-bye to the co-eds and class.
> And take one last spree
> As you finish term III,

The Drexel Triangle

In Conjunction With The Army Specialized Training Unit

VOL. 19 — PHILADELPHIA, PA., AUGUST 17, 1943 — No. 4

FISHER'S FINDINGS

Former ROTC Men Return

Pre-Junior ROTC Men Return to Drexel From V. P. I. To Take an Active Part in the ASTU

New Khakis—

KADETS Jive Tomorrow in Great Court

Men's Student Council Passes New By-Laws

Cadet Glee Club Composes Song

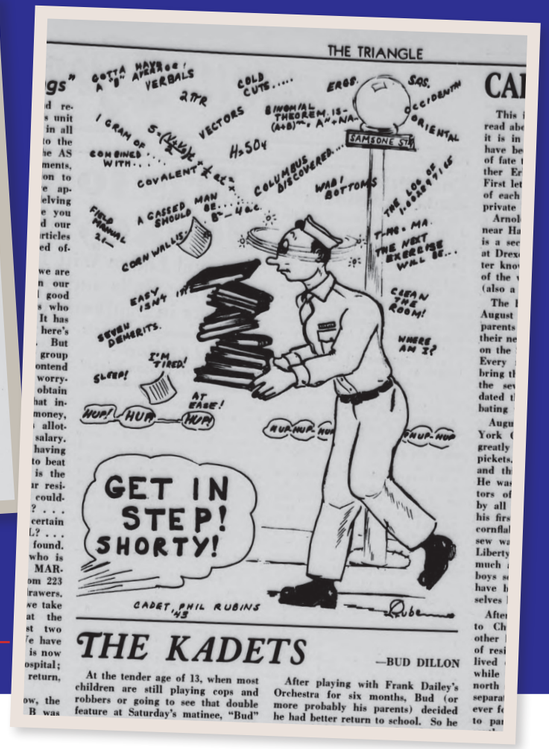
Marks Explained to ASTP After Seven Weeks

Faculty Sons See Service

Picnic at Lodge Given by Dorm

Dorm Gals Get Hot

A cartoon from the Aug. 27, 1943, issue of *The Triangle* pokes fun at the overscheduled cadets.



Part of the cadet's exercise regime at Drexel was a mile-long obstacle course that included a 60-foot stretch across telegraph poles.

For you're going right out on your — ear!
It will make little difference to study,
You're just like the rest of the dupes,
For win, lose or draw,
You'll be eating it raw,
And you're heading right back for the troops!

The dear days at college are over,
The profs and the T-squares are gone,
So cry in your beers,
You poor engineers,
You'll be digging a ditch from here on!

"You're here for the duration. . ."

The Drexel cadets left Philadelphia on March 29, 1944, and began a 60-hour train ride South. On April 1, 1944, the train pulled into Camp Claiborne, and was welcomed by a military band. The jovial gesture fell flat with the former ASTP-ers. One cadet quipped, "Better if they played a funeral march, as far as I'm concerned."

James Sterner was optimistic, at first. Camp Claiborne was an engineer training center and he thought the Drexel cadets would be transferred to engineering units. When an officer announced, "'You are now members of the 84th Infantry Division,' we couldn't believe it. We were the bottom of the food chain." Sterner turned to his Drexel buddy Donald Stauffer and said, "Surely, the Army is playing an April Fool's joke on us." Most of the 396 cadets were assigned to infantry regiments; very few were assigned to more prestigious and safer duties in its supporting units.

Louis E. Keefer, a former ASTP-er turned infantryman whose book "Scholars in Foxholes" is the definitive history of the program, summarized the fate of the cadets. "The bottom line was that the program had been curtailed so abruptly that classification specialists had little opportunity to match trainee records against receiving unit vacancies to determine logical assignments," Keefer wrote. "[E]very smart trainee knew the Army was treating him as just another warm body."

Serving as a rifleman in an American infantry division was exceptionally dangerous, recounts John Ellis, author of the history "The Sharp End: The Fighting Man in World War II." They more than any other group assumed the greatest responsibility for confronting the enemy, and riflemen suffered the greatest number of casualties, despite being a proportionally small part of the Army.

Cadet Howerton viewed his new circumstance with dismay:

> Meek-faced young men gazed across the chow table into the sunburned faces of men hardened by months of tough training in the sand hills of Texas and the scruffy woods of Central Louisiana. Most of them felt green, out of place at first, believing themselves misfits. Barracks and pup tents were a great contrast to hotels or college dormitories. M-1 rifles were heavy compared to slide rules, and 25-mile marches were not like strolls around the campus with a pretty co-ed.

The anger felt by the former ASTP-ers was likely matched by the resentment of the sometimes older, and usually less-educated, soldiers in the units they joined. The sergeants and corporals delighted in assigning the "wise-ass college boys" to menial duties. The welcome Howerton and his Drexel comrades received from the first sergeant of his new company was likely typical and in Howerton's words, "summarized our condition succinctly:"

> 'Men…you may have noticed that the ASTP boys we've been hearing about have come. They're the new guys you see here. The ones who look like they haven't seen the sun this year… You ASTP boys will have five weeks of special training. No books. You'll learn to crawl in the mud under f---in' bullets, scale goddamn walls, and kill f---in' Germans and Japs… Them [sic] that don't get a round up their h'ass during training will be assigned to K Company. You're here for the duration…'

The infusion of the ASTP-ers had the immediate effect of not only bringing the troops up to numerical strength, but also increasing their overall combat effectiveness. In some units, ex-ASTP-ers held impromptu classes in "readin', writin' and 'rithmatic" for their less literate comrades.

Through the accelerated training program and sheer necessity, the friction between the "whiz kids" and the "old men" was overcome. Now a full-fledged infantryman, Howerton reflected as the 84th Infantry Division prepared to ship to Europe in September 1944:

> It had not been a happy time and was as close to hell as most of us had ever been. Yet amid all the grousing and the frustrations, large and small, a transformation had occurred. We had come to Claiborne as students. We were leaving as soldiers. . . although we were loath to admit it, our forced merger with the old guys had made us better men.

"You college guys piss and bleed just like everybody else…"

As confident as the Drexel cadets may have been after their crash course in infantry tactics, no amount of training or intellectual acquity could guarantee their safety or survival. Howerton's platoon sergeant warned him before the 84th Infantry Division left Camp Claiborne: "You college guys piss and bleed just like everybody else, don't forget it."

The 84th Division suffered heavy casualties when it entered combat on the German frontier near Geilenkirchen in late November 1944. Among the first killed and wounded were former Drexel cadets. Pfc. Charles Randall Jr. of Waterloo, Iowa, who had joined the division from Drexel, was killed within days of arriving on the front — just three days after his 20th birthday. Around the same time, another Drexel cadet, Pfc. Class Philip Rohrbach, was wounded in the head by a German grenade and taken prisoner. When he was released after five months of captivity, he weighed just 99 pounds.

As the 84th Division fought across Europe, the Drexel ASTP-ers demonstrated that they could be excellent combat soldiers. Harold L. Howdieshell, a Drexel ASTP alum, was awarded the Bronze Star medal for capturing 17 Germans in February 1945 and earned an officer's commission. On March 1, 1945, Lt. Howdieshell's company was pinned down as it attacked enemy positions near Berg, Germany. In front of the rest of his unit, Howdieshell spotted a German machine gun, and after pushing two of his men to safety, began throwing grenades at the enemy. While preparing to throw his fifth grenade, Howdieshell was shot and killed instantly.

Although there are no statistics on the overall performance of former ASTP cadets in combat, Howerton, himself having earned a promotion to sergeant, reviewed his own company's records after the war. He found that compared to the soldiers they joined at Camp Claiborne, fewer of the ASTP men were killed, they were less likely to have been evacuated for minor medical ailments and they were better disciplined. There is additional evidence that the former ASTP cadets made excellent soldiers in their new units, recounted in Peter Mansoor's "The GI Offensive in Europe: The Triumph of the American Infantry Division 1941–1945." For example, the 102nd Infantry Division received approximately 2,700 ASTP cadets, and almost 100 of them earned officer commissions due to their exemplary performance in battle.

A lasting record

From a military perspective, the ASTP was no success. It deprived the Army of valuable manpower at a time when it desperately needed to maintain its fighting units, and it then unceremoniously dumped tens of thousands of its brightest soldiers into some of the most dangerous duties.

However, a lasting legacy of the ASTP survives outside the battlefield. The ASTP is credited with some post-war changes to college education; namely, a general speeding up of course instruction, a greater emphasis on technological and mechanical training and the "all conversational" technique of teaching foreign languages. Many former ASTP-ers returned to college after the war and used the G.I. Bill to fund their education. James Sterner believed that the ASTP had made him a much better student and credited his time at Drexel as the reason he was able to gain admission to Rensselaer Polytechnic Institute after the war.

For historians of World War II, perhaps the greatest benefit has been the number of memoirs written by former ASTP-ers. Veterans of the program like the Drexel cadets chronicled here appear to have written proportionally more than maybe any other demographically identifiable group, and thanks to their erudition and observations, historians have a wealth of personal perspectives of frontline combat in the final year of World War II.

Tom Harper Kelly is an alumnus of the College of Arts and Sciences (BS history '10) and the Kline School of Law (JD '13). He is an attorney specializing in intellectual property, and he has written articles on World War II for a number of publications and periodicals, including *WWII Quarterly*, *America in World War II*, *Army Lawyer*, and *Warisboring.com*. All of his writing is available on www.tomharperkelly.com.

LEFT: DREXEL ARCHIVES. RIGHT: COURTESY HISTORICAL SOCIETY OF PENNSYLVANIA.

Three Alumnae Join Board of Governors

Julie Bonner, Jamie McDonald and Jessica Nava will help to maintain strong ties between alumni, students and the University as members of the Alumni Board of Governors. These newcomers joined in July and are bringing fresh energy to organize programs, events and volunteer opportunities that will engage Dragons around the globe.

To learn more about the Drexel Alumni Board of Governors and how to get involved, visit **drexel.edu/alumni/about.**

Julie Bonner

BS graphic design '01
Director of communications, FreeFall Aerospace
Lives in Tucson, Arizona

What was your favorite student involvement activity at Drexel? I played singles for the women's tennis team from 1997 to 2001.

What's the first word that comes to mind when you think about Drexel? Real-world.

What's something interesting about you that people would be surprised to know? Although I have a career in the space industry, I am also a fine artist! I painted and designed an educational set of animal cards for kids.

Describe yourself in three words. Connected, active, creative.

Why did you decide to become a member of the Alumni Board of Governors? To grow our Southwest alumni region and create beneficial connections.

Jamie McDonald

BS architectural engineering '10, MS construction management '15
Partner, KMC Partners
Lives in Lancaster, Pennsylvania

What was your favorite student involvement activity at Drexel? I played on the intramural women's basketball team.

What's the first word that comes to mind when you think about Drexel? Co-op.

What's something interesting about you that people would be surprised to know? I'm on the associate board for Girls on the Run in Lancaster. It is a nonprofit that I am very passionate about; ask me how to get involved!

Describe yourself in three words. Adaptive, proactive, entrepreneurial.

Why did you decide to become a member of the Alumni Board of Governors? I love any path that keeps me connected to the University and on campus. Both my bachelor's and master's are from Drexel, and I adjunct within the Construction Management Department and am an active contractor on campus. Drexel and Philadelphia created the path of entrepreneurship that I am on today. Helping current students and connecting alumni is a great way to give back.

Jessica Nava

BS business administration '00
Chief growth officer, The Moxie Exchange
Lives in Canandaigua, New York

What was your favorite student involvement activity at Drexel? I was on the women's volleyball and crew teams. I joined the Drexel Marketing Association and was president in my last year.

What's the first word that comes to mind when you think about Drexel? Co-op.

What's something interesting about you that people would be surprised to know? I'm a classical musician. I've played the viola since I was 9.

Describe yourself in three words. Mom, athlete, leader.

Why did you decide to become a member of the Alumni Board of Governors? Being a woman in technology is sometimes a lonely journey, and I'm passionate about helping other women in sales and/or leadership roles in this sector. Drexel was a big reason for my professional success, and I want to support graduating Dragons to help them learn the lessons I've learned along the way so that they can triumph even more quickly!

Vital Support for Veteran Alumni

The Drexel Veteran Alumni Network can give veteran alumni a sense of community as they rotate into civilian careers, says DVAN President Matt Pron, a former United States Marine. By Lara Geragi

Drexel Veteran Alumni Network (DVAN), one of the University's oldest alumni affinity groups, was created in 2012 to provide a support system for alumni veterans and their families, and it certainly played that role in Matthew Pron's life.

"When I graduated, the transition into my career was not easy," says Pron (BS finance '16), network president. "The work environment that I was accustomed to in the military is significantly different from that of the corporate world. I thought that becoming involved with DVAN would help keep that sense of community intact for myself and other veterans after graduation."

Prior to attending Drexel, Pron served five years on active duty in the Marine Corps from 2009 to 2014. Following boot camp at Parris Island and infantry school, he joined the 3rd Fleet Anti-Terrorism Security Team known more commonly as FAST Company. While with FAST, his unit spent time conducting advanced security operations at Guantanamo Bay and also operated as a quick reaction force for U.S. embassies across the Middle East.

Join DVAN on LinkedIn
The Drexel Veteran Alumni Network LinkedIn group is a space where veteran alumni connect with each other to network, ask and answer questions, share events and programs that they are hosting or attending, and support each other. All active-duty and veteran service members in the Drexel community are invited to become members.

After his time in FAST Company, he received orders to 2nd Battalion, 1st Marines at Camp Pendleton. He became a scout swimmer for the small boat raid force with the 31st Marine Expeditionary Unit out of Okinawa, Japan. Pron was certified as an instructor in water survival and martial arts before receiving his honorable discharge in 2014.

A conversation with his father, Michael Pron '82, about Drexel's uncapped participation in the Yellow Ribbon Program solidified his decision to become a Dragon.

"Drexel's participation in the program ensures that qualified veterans with Post 9-11 GI Bill benefits can attend the school without concern for the large gap between the price of admission and actual education costs covered by Veterans Affairs," says Pron, who was pleased to take the reins at DVAN at 2018. "It was honestly the least I could do to give back to the school and community that has already played such a pivotal role in my life."

> "When I graduated, the transition into my career was not easy. I thought that becoming involved with DVAN would help."

DVAN's goals are to build and grow an alumni network to support the specific needs of the University's veteran alumni population. The group facilitates meaningful connections between veteran alumni and students and helps to engage the veteran alumni population with Drexel life.

"We host social and professional development events and provide mentoring opportunities that appeal to different types of people. The active members in our organization are all great people who I would have never met if I didn't put myself out there and get involved with DVAN," Pron adds. "I will always be grateful for everything Drexel has given me and do my best to give back in any way I can."

To learn more about DVAN, and to find out ways to get involved, visit **drexel.edu/alumni/DVAN.**

Andrew Stoffer
BS general studies '20

A veteran of the U.S. Navy, Stoffer is a medical assistant on the pediatric orthopedics unit at Nemours Children's Hospital.

Q: How did Drexel help you navigate your return to civilian life after the military?

"The biggest challenge I faced transitioning back to civilian life was redefining myself, because I never planned on leaving the military. Second, I'm a veteran who suffers every day with depression and PTSD. Transitioning back to the civilian side, I welcomed the opportunity for new growth and development but assumed that there wouldn't be the same support system that I had relied on.

My journey back into civilian life began as a series of challenging transitions. However, Drexel played a huge role during this point in my life since there were so many veteran-oriented programs in place. At the new Masci Family Veteran's Lounge, I had the opportunity to connect with other veterans. [Assistant Vice President for Enrollment Management & Student Success] Rebecca Weidensaul championed and oversaw so many veteran programs, including the Drexel Veteran's Association, Warrior Wednesday and countless networking opportunities with prospective employers like KPMG, Comcast and Lockheed Martin. Looking back, I faced several obstacles but, during my time at Drexel, I never felt like I had to battle them alone."

Jennifer Grubb
BS psychology '20

A veteran of the U.S. Army, Grubb is a registered nurse who works as a communications specialist at the Coatesville Veterans Administration Medical Center.

Q: How did Drexel help you navigate your return to civilian life after the military?

"My experiences transitioning from the military to civilian life were more challenging than I could have ever expected. The Army taught me how to be a soldier, but no one taught me how to be a civilian. When I came home from Afghanistan, I was 20 years old and ended up struggling and homeless. I had no clue how to proceed with my new life outside of the service, and it took me years to figure it out. As time passed and I learned to adjust, I realized that I needed to integrate who I was in the service into who I was becoming.

Drexel became a part of that balance for me. The educational opportunities have helped me to become the best version of myself. It simultaneously provided a connection to other veterans that is vital to me. Drexel has truly helped me by honoring my service, creating unique relationships that I can cultivate with other veterans and providing an educational environment that honors all parts of who I am — including my post-traumatic stress."

Pride And Purpose: Tom Masci, BS Accounting '68, U.S. Army

Thomas A. Masci established the Masci Family Student Veterans Lounge as a place for student vets to gather and feel at home on campus.

Should you speak with Tom Masci Jr. '68, you immediately sense that he loves bringing people together, takes pride in helping others and cares deeply about Drexel, which played a pivotal role in his life.

Masci has been a champion for numerous programs that serve students. Commuter and accounting services are priorities for Masci, yet most of his support goes toward Drexel's Center for Military and Veteran Services. As a U.S. Army veteran, it's the cause closest to his heart.

"My late wife, Ellen, was very much a supporter of veterans," says Masci. "Giving back to the people who made sacrifices or gave their lives for our freedoms feels like a bonus."

His generosity established the Masci Veterans Student Resource Center and supported courses that help returning veterans transition into college life. He also provides salary funding for a Student Veteran Ambassador, who advocates for the evolving needs of the student veteran community. A more recent gift funded the renovation of the Masci Family Student Veterans Lounge in 2019.

Masci was pleased to give breathing room to a space that was once small and noisy.

"Now they have a comfortable, nice-sized place to study or get together socially," he says. "I feel good knowing that it will be taken care of, year after year."

The old space was cut off from the campus community, according to Rebecca Weidensaul '95, '01, the assistant vice president of enrollment and student success who oversees the Center for Military and Veteran Services.

"Now, it's in the student center and a dedicated space where student veterans can feel at home and have a sense of belonging and pride," Weidensaul says. "Looking ahead, Tom's support will continue to enhance the lounge with new amenities like a cantina space, updated technologies and funding to ensure the programmatic offerings continue to bring people together at a time when it is much needed."

Student veterans gravitate to Masci because of his openness and willingness to share life lessons, Weidensaul adds.

Thanks to his generous spirit and his pride in his family, military career and education, Drexel and its students will benefit for years to come. — *Meghan Goff*

CROSS ROADS & CLASS NOTES

We want your updates! Tell us about your weddings, new babies, promotions, awards, trips or special traditions with fellow alumni. Send information and photos to **Sara Keiffer** at **seb434@drexel.edu**.

CAREERS

60s

George F. Vander Voort, BS metallurgical engineering '67, president and consultant of Vander Voort Consulting and consultant for Struers Inc. and Struers A/S, was selected for the prestigious Lifetime Achievement Award for 2020 by the International Association of Top Professionals for his influence, proficiency and dedication to metallography, materials science and metallurgical engineering. The award will be presented in September at the International Materials, Applications & Technologies Conference in New Orleans.

70s

Val Rossman, MCAT, HU creative arts in therapy '76, in May 2022 exhibited current artwork in a solo show at the Gross McCleaf Gallery in Philadelphia titled, "Unexpected Interference." Rossman's abstract paintings express the unpredictability of life, using full color, as well as black and white.

Arthur W. Sagoskin, MD, MCP 78, who co-founded Shady Grove Fertility more than 30 years ago, will retire at the end of 2022.

David E. Schleicher, BS electrical engineering '79, is the new president and CEO of Northern Virginia Electric Cooperative.

80s

Martin G. Belisario, BS mechanical engineering '85, of Panitch Schwarze Belisario & Nadel LLP, was named among the 2022 Pennsylvania Super Lawyers. Belisario was also individually ranked by Chambers USA for his prowess in IP law.

Joseph G. Cacchione, MD, HU '85, was named the new CEO of Jefferson Health and Thomas Jefferson University.

Linda Dennison Tapp, BS biological sciences '88, president of SafetyFUNdamentals, received the 2022 Lifetime Achievement Award from the Board of Certified Safety Professionals.

James A. McKelvey III, BS civil engineering '89, MS '92, received the Philadelphia Civil Engineering of the Year Award for 2022 from the Philadelphia Section of the American Society of Civil Engineers.

90s

Daniel Corey, BS civil engineering '95, joined STV as vice president and national director of mobility technologies. Based in the firm's Philadelphia office, Corey is leading a national practice of intelligent transportation systems, electric vehicle, connected and automated vehicles and data professionals.

Gina Furia Rubel, BS corporate communications '91, CEO of Furia Rubel Communications Inc., was recognized among the 2022 LAWDRAGON Global 100 Leaders in Legal Strategy and Consulting. Furia Rubel Communications received the Business Achievement Award from the Central Bucks Chamber of Commerce and was included in *Chambers Litigation Support,* a comprehensive guide for the leading professional services providers in key markets worldwide.

Heather L. Pacan, BS general information systems '99, MS information systems '02, vice president, Americas, sales support at Paessler, was named among the CRN Women of the Channel in 2022.

Jennifer Peirce Brandt, BS architectural engineering, civil engineering '95, president and co-founder of Peirce Engineering, received the Geotechnical Engineer of the Year Award for 2022 by the Philadelphia Section of the American Society of Civil Engineers.

John D. Simmons, BS electrical engineering '92, of Panitch Schwarze Belisario & Nadel LLP, was named among the 2022 Pennsylvania Super Lawyers.

Harold R. Windisch, BS civil engineering '90, was recognized by the Philadelphia Section of the American Society of Civil Engineers as the recipient of its Government Service Award for 2022.

00s

George Aulisio, MS library and information science '08, was named dean of the Weinberg Memorial Library at the University of Scranton. Aulisio is currently completing his PhD in philosophy from Temple University. His scholarship includes work in both philosophy and library science. He also published a book titled "Sudden Selector's Guide to Philosophy" and has served as editor of the *Library Materials and Pricing Index* since 2018.

Felecia E. Commodore, BS business administration '06, was promoted to associate professor in the Higher Education program of the Education Foundations and Leadership Department at Old Dominion University. Commodore is the first African American to receive tenure in the history of the department.

Alicia C. Definis, BS business administration '09, was appointed CEO of Dorai Home, a leading developer of eco-chic home products that help prevent mold with instant-drying materials.

BABY DRAGONS

Lauren Moatz, BA architecture '07, and **David Louis Katzer Scher, BS nursing '11,** welcomed their son, Ezra Scher Moatz, on Nov. 11, 2021.

Sean M. Douglass, MS forensic science '10, joined Panitch Schwarze Belisario & Nadel LLP as an associate to expand the firm's patent practice.

Ian B.K. Martin, MD, MCP HU '00, system chair of Medical College of Wisconsin's Department of Emergency Medicine, professor of medicine and emergency physician-in-chief for the Froedtert & the Medical College of Wisconsin health network, was selected as one of six fellows for the prestigious 2022–2023 Association of American Medical Colleges' Council of Deans Fellowship program.

Michelle Terry, BS interior design '03, was appointed operations chief of staff at Faegre Drinker.

Michael Lee Webster, BS electrical engineering '04, was promoted to engineering manager of V-COMM LLC.

Michael Jonathan White, BS civil engineering '05, was promoted to associate at Cushing Terrell, a multidisciplinary architecture, engineering and design firm.

10s

Selli Abdali, BS biological sciences '15, was the subject of a story in the *Philadelphia Inquirer* titled, "Parents Who Fled Afghanistan Name Their New Baby for the Philadelphia Woman Who Helped Them."

WEDDINGS

Emily Maiers, BS entrepreneurship '15, and **Zachary Gosling, BS entrepreneurship '15,** were married on April 23, 2022, in Jamaica.

Nina Monzo, BS business and engineering '13 and **David Simon, BS civil engineering '13,** were married on Feb. 12, 2022.

Jose S. Altamirano, MBA '15, is running for elected office in California, Board of Equalization, 1st District. If elected, Altamirano will be the first Latino to represent the district since the board was established in 1879.

Peter D. Coyl, MS library and information science '10, was named library director and CEO of the Sacramento Public Library.

Paige A. Joffe, BS business administration '15, JD '20, of Capehart Scatchard, was sworn in as the Young Lawyer Trustee of the Camden County Bar Association on June 23, 2022, in Collingswood, New Jersey.

Devon Pope, JD '15, started a new position as associate at Hughes Hubbard and Reed LLP in New York City.

Katie J. Reilly, BS music industry '11, MBA '11, published an op-ed, "Ron DeSantis should remember the first rule of Disney. Evil never wins," in *LGBTQ Nation*. Reilly was also featured on CHANNEL Q's radio show "The Morning Beat with AJ and Mikalah."

Jason R. Woloski, MD '14, was elected president of the Pennsylvania Academy of Family Physicians.

20s

Jordan Egan, BS interior design '21, joined SOSH Architects as an interior designer.

Amanda Cohen, BARCH '22, became a licensed architect in Pennsylvania through the Pennsylvania Licensing System. The program enabled her to become licensed to practice pre-graduation at age 23.

OBITUARIES

Friends We'll Miss

Farewell to departed alumni reported to the University between March 21 and Aug. 3, 2022.

1940s

Natalie Alleva, Cert. Secretarial 1949
Ina Casale, BS Chemical Engineering 1949
William Ellis, BS Mechanical Engineering 1948
Marjorie Ellis Kroha, Cert. Domestic Science 1914
Jerome Faust, BS Electrical Engineering 1943
Richard Goodwin, BS Commerce and Engineering 1948, HD 2004
Harris Haffner, BS Mechanical Engineering 1949
Michael Kouvatas, Cert. Electrical Engineering 1946
Ruth Libhart George, Cert. Secretarial 1940
James Marks, BS Mechanical Engineering 1947, MBA Business Administration 1949, HD 2015
Sarah Ross Brig, BS Home Economics 1945
Betty Ullmann Costello, BS Home Economics 1946

1950s

William Alwine, Cert. Chemical Engineering 1958
Richard Archer, Cert. Industrial Administration 1959, BS 1961
Jean De Barth, Cert. Electrical Engineering 1959, BS 1961
Guy Bean, BS Metallurgical Engineering 1958
Norman Benn, BS Business Administration 1957
Harry Bingham, BS Civil Engineering 1950
Raymond Bradshaw, BS Electrical Engineering 1958
Martin Brill, BS Chemical Engineering 1954, MS Engineering Management 1966
Paul Brojack, BS Business Administration 1952

(OBITUARIES CONT.)

Fred Brown, BS Mechanical Engineering 1957
Donald Carroll, Cert. Chemical Engineering 1959, BS 1962
William Casey, BS C&E General Studies 1951
Doris Clauss Graham, BS Business Administration 1951
Joyce Cohen Lashof, MD Medicine 1950, HD 1983
Robert Coleman, Cert. Mechanical Engineering 1952
Stanford Cooke, MD Medicine 1954
John Crouthamel, BS Business Administration 1951, BS Mechanical Engineering 1962
Frank Danella, Cert. Mechanical Engineering 1954, BS 1955
Michael Devan, BS Business Administration 1956
Betty Devens Carey, RN Nursing 1955
Benjamin Di Lucido, BS Electrical Engineering 1958
Robert Dieter, BS Business Administration 1954
Frank DiMeo, BS Electrical Engineering 1959
Joseph Donnelly, BS Chemical Engineering 1958
Joanne Duffy Woodward, MS Library Science 1955
David Edwards, BS Mechanical Engineering 1958
Stanley Emery, Cert. Chemical Engineering 1953
Bernice Englert, RN Nursing 1959
Robert English, MD Medicine 1959
Clyde Erskin, MBA Business Administration 1959
George Fallat, BS Electrical Engineering 1953
J. Feiler, BS Business Administration 1951
Donald Fraser, MD Medicine 1956
Ronald Gantert, BS Civil Engineering 1959
Samuel Gottshall, MD Medicine 1957
Walter Graf, Cert. Electrical Engineering 1952, BS 1955
Donald Heller, BS Mechanical Engineering 1952
George Holloway, MS Library Science 1950
Anne Irvin Helmintoller, Cert. Secretarial 1953
Kenneth Johnson, MD Medicine 1956
William Kalkbrenner, BS Civil Engineering 1953
Stanley Katten, MBA Business Administration 1954
James Kelly, Cert. Electrical Engineering 1955, BS 1957
Norman Kouba, BS Chemical Engineering 1952
H. Kulp, BS Business Administration 1950
Walter Lacey, Cert. Electrical Engineering 1956, BS 1960
Elizabeth Laufer, MD Medicine 1956
Louise Lee, RN Nursing 1953
Stephen Mahoney, BS Business Administration 1957
Domenick Marucci, Cert. Electrical Engineering 1959
Robert McDowell, Cert. Civil Engineering 1958, BS 1959
Maribel McKelvy, MD Medicine
Bernard McNamee, BS Civil Engineering 1953, MBA Business Administration 1960, PhD Structural Engineering 1967
Geraldine Meanor, MD Medicine 1958
Richard Mosher, BS Electrical Engineering 1959
Margaret Nill Charlier, BS Home Economics 1951
Charles Paulson, BS Chemistry 1959
Robert Pege, Cert. Civil Engineering 1954
LaRue Pepperman, MD Medicine 1954
Geraldine Powers Bealin, Cert. Junior Secretarial 1955
Raphael Raldiris, MBA Business Administration 1957
Jane Ross Moore, MS Library Science 1952
David Sarrett, MD Medicine 1959
Ruth Slaney Nelson, RN Nursing 1954
Joseph Slap, MD Medicine 1952
Vernon Smith, BS Electrical Engineering 1952
Edward Spangler, BS Civil Engineering 1952
John Spielberger, BS C&E General Studies 1957
Robert Stanton, BS Chemical Engineering 1951
Betty Telshaw Schultz, BS Home Economics 1950
Nancy Thompson Brown, BS Business Teacher Education 1951
Johanna Von Koppenfels Holzbaur, MLS Library Science 1959
Donald Walter, BS Civil Engineering 1953, MS 1964
James Wheatley, BS Business Administration 1956
Christine Wu, MD Medicine 1955
Robert Wurtz, Cert. Mechanical Engineering 1959, BS 1961
Gerald Zeller, BS Electrical Engineering 1954

1960s

Mildred Abraham, MLIS Library & Information Science 1966
Richard Alberto, BS Business Administration 1964
Joy Anderson Gibson, BS Home Economics 1966
Elizabeth Bartle, MS Library Science 1964
Sandra Beinhauer Mundy, RN Nursing 1960
John Bielat, BS Electrical Engineering 1966
Jacob Bippus, BS Mechanical Engineering 1964
Thomas Bonekemper, MD Medicine 1969
Christian Braig, MS Library Science 1964
Robert Brandt, MD Medicine 1960
Charles Brown, MD Medicine 1961
Frank Buck, BS Electrical Engineering 1963
John Byrnes, BS C&E General Studies 1966
Carmen Candelori, MD Medicine 1961
James Carr, Cert. Electrical Engineering 1960
Stanley Carroll, BS Civil Engineering 1966
Sue Ann Castleman Zitnick, BS Home Economics 1968
John Celmer, MS Physics & Atmospheric Science 1962
Lucille Chalfont Rooney, RN Nursing 1962
Evan Christman, BS Electrical Engineering 1962
Lawrence Clark, BS Chemical Engineering 1961
Harry Clauss, BS Mechanical Engineering 1963
Hyman Cohen, BS Mechanical Engineering 1962
Edward Cooper, BS Electrical Engineering 1962
Murray Cooper, BS Electrical Engineering 1965
Howard Corbin, BS Business Administration 1968
Joseph Cotrufello, BS Civil Engineering 1969, MS 1973
Arthur Cox, Cert. Electrical Engineering 1961
John Cunningham, BS Mechanical Engineering 1963
William Curzi, Cert. C&E General Studies 1966
Ronald Cutler, BS Civil Engineering 1966
John Dalton, BS Mechanical Engineering 1963
Everett Danehower, BS Business Administration 1962, MBA 1970
James Danna, Cert. 1969
George DiBiase, BS Mechanical Engineering 1967
Donald DiPietro, BS Biological Sciences 1961
Paul Doering, BS C&E General Studies 1966
Arlene Donahue, RN Nursing 1968
James Donohue, BS Metallurgical Engineering 1965
Denis Dorsey, MS Electrical Engineering 1962
Fred Egner, BS Business Administration 1966
Bruce Everett, MS Electrical Engineering 1965
Robert Ferguson, BS Business Administration 1967
Lynn Ferris Riley, RN Nursing 1968
Robert Fink, BS Mechanical Engineering 1965
Charles Freece, BS Business Administration 1968
Dennis Fretz, BS Business Administration 1960
Alan Geller, MD Medicine 1969
Robert Germond, BS Electrical Engineering 1969
Theodore Gottwald, BS Electrical Engineering 1963
Conrad Granito, MD Medicine 1961
Thomas Griffith, BS Business Administration 1967
Ralph Hamer, BS Mechanical Engineering 1967
William Hammond, BS Business Administration 1968
Marcia Harmon Aston, MS Library Science 1961
Deborah Harris Coburn, MS Library Science 1962
Gustave Haun, BS Chemical Engineering 1962
Jack Howsare, BS Electrical Engineering 1967
William Huber, BS Mechanical Engineering 1960
Richard Husted, BS C&E General Studies 1967
James Jopski, BS Unknown 1967
Michael Kennedy, BS Business Administration 1969
James Kenny, BS Business Administration 1969
Marvin Kirby, MS Electrical Engineering 1960
Leigh Klinger, BS Metallurgical Engineering 1963, MS Engineering Management 1972
Herbert Knight, BS Chemical Engineering 1961
Leo Konkel, Cert. Business Administration 1960
Robert Lang, BS Electrical Engineering 1968
Jack Leeney, BS Business Administration 1964
Joseph Leone, MD Medicine 1967
James Linton, BS Electrical Engineering 1965
Barry Loigman, MD Medicine 1962
Nicholas MacHusak, BS Business Administration 1962
John Mahoney, BS Mechanical Engineering 1962
Edmund Markowski, BS Business Administration 1961
Donald Martin, MS Chemistry 1960
Thomas Meaney, MS Mechanical Engineering 1960
Edward Metz, BS Chemistry 1964
Marion Miller Kluger, MS Library Science 1969
Stanley Mills, BS Mechanical Engineering 1961
Jessie Moore Birtha, MS Library Science 1962
Richard Myers, BS Electrical Engineering 1962
Philip Noll, MS Electrical Engineering 1965
Joseph Papp, BS Electrical Engineering 1962
Thomas Quinlan, BS Mechanical Engineering 1965
Russell Richardson, MBA Business Administration 1966
Jack Rozwadowski, MD Medicine 1964
Dennis Salter, BS Physics & Atmospheric Science 1968
Vito Salvato, BS Mechanical/ Industrial Engineering 1964
Victor Santapau, BS Mechanical Engineering 1964
Thomas Savidge, MD Medicine 1960
Theodore Schall, MBA Business Administration 1966
Melvin Schwartz, MS Engineering Management 1964
Jacqueline Scott Harris, MLS Library Science 1969
Mitchell Sisle, MS Electrical Engineering 1962
Kenneth Slack, BS Business Administration 1967
Anthony Smith, MS Mechanical Engineering 1960
Albert Solecki, MBA Business Administration 1967
Carole Spaeth White, RN Nursing 1960
John Straub, BS Electrical Engineering 1966
Camilla Tatem, MD Medicine 1962
Mary Tyson, BS Home Economics 1965
George Urbancik, BS Chemical Engineering 1962
Donald Vallere, BS Physics & Atmospheric Science 1969, MS Materials Engineering 1973
Arthur Weigard, BS Civil Engineering 1965
Richard Wolbach, BS Electrical Engineering 1965
Kenneth Ziegenfuse, BS Business Administration 1964

1970s

Victor Abdunnur, MBA Business Administration 1978
Nathaniel Alston, BS Physician Assistant 1974
James Barnett, BS C&E General Studies 1973, MBA Business Administration 1977
Cynthia Berg, MD Medicine 1974
Herbert Bergman, MD Medicine 1970
Richard Bounds, BS Civil Engineering 1970, MS 1980
Charles Bowers, MS Civil Engineering 1977
Henry Bromley, AS Nursing 1979
Michael Busky, MD Medicine 1973
Donna Cader Gerome, BS Nutrition & Food 1974
Robert Capalbo, MD Medicine 1978
Anthony Colantonio, BS Electrical Engineering 1975
Joseph Condlin, BS Electrical Engineering 1974
Jeffrey Cooper, MD Medicine 1973
Victor Davis, BS Electrical Engineering 1974
Carl Deirmengian, BS Electrical Engineering 1970
Nicholas Delsordo, MBA Business Administration 1973
Virginia Devlin Bolmarcich, MD Medicine 1971, MLIS Library & Information Science 1994
David Devacque, BS Accounting 1976
Anthony DeVirgiliis, BS Business Administration 1970, MBA 1976
John Di Carlo, BS Business Administration 1970
Edwin Dietrich, BS Business Administration 1970
John Dolanski, BS Electrical Engineering 1977
Edward Domino, BS Chemical Engineering 1973, MBA Business Administration 1984
Joseph Draganosky, MS Clinical Psychology 1975
Edward Dunn, MBA Business Administration 1974
Herbert Dutton, BS Electrical Engineering 1973
Richard Eggleton, PhD Library & Information Science 1978
Joseph Everhart, BS Electrical Engineering 1973
Robert Feldbaumer, BS Business Administration 1974
Karl Fickeissen, BS Mechanical Engineering 1971
Irvin Franklin, MD Medicine 1971
John Friel, MS Chemistry 1974
Edward Furman, BS Accounting 1976
Nancy Galbraith Washburne, MS Library Science 1970
Robert Garfinkle, BS Electrical Engineering 1975
Alan Greber, BS Business Administration 1976
Diane Guack Quinlan, Degree Unknown 1978
Donald Heim, BS C&E Industrial Relations 1975
E. Heintz, BS Business Administration 1970
Thomas Heller, BS Business Administration 1974
Howard Kane, BS Business Administration 1970
Julia Kiessling, BS Business Administration 1973
Bruce Kipp, Cert. Physician Assistant 1973
William Knecht, BS Electrical Engineering 1973
Paul Langner, MS Biomedical Engineering & Science 1973
Marilyn Lester Veldof, MS Library Science 1971
Patricia McMonagle Donahue, RN Nursing 1977
Ivan Miller, MD Medicine 1976
Bernadette Naughton DeArmond, MD Medicine 1970
Deborah Naulty, MS Library Science 1974
William Novitzky, BS Biological Sciences 1974
Ronald Petlev, BS Business Administration 1972
John Politis, MS Library Science 1973
Larry Pressman, MD Medicine 1974
Douglas Reed, BS Business Administration 1973
Carolyn Rowe Hale, MS Library Science 1976

(OBITUARIES CONT.)

Veronica Sarama, BS Business for Women 1970
Richard Sasin, BS Business Administration 1970
Alice Savage, MD Medicine 1972
Vadim Schaldenko, MD Medicine 1971
Norbert Schulz, BS Chemical Engineering 1970
Kurt Seglem, BS Business Administration 1975
Marjorie Seltzer Stanek, MD Medicine 1972
Christopher Siegl, BS Electrical Engineering 1977
Andrew Slivjak, BS Chemical Engineering 1976
Gerald Smith, BS Electrical Engineering 1973
Ronald Straub, MD Medicine 1973
Donald Strosnider, BS Business Administration 1970
Norma Strouse, MS Library Science 1975
Robert Wagner, MD Medicine 1972
Robert Wetherall, MS Library Science 1973
Crawford Williams, BS Mechanical Engineering 1972
John Woyurka, MS Graduate Urban Management 1974

1980s

Keith Addison, BS Electrical Engineering 1987
Donald Anderson, MD Medicine 1980
Lewis Bennett, AS Nursing 1984
Michael Berezin, BS Metallurgical Engineering 1981
Wendy Bolden, AS Nursing 1987
Mary Anne Bresser, MCC Clinical Chemistry 1981
Joel Bresser, MS Group Process & Group Psychology 1982, PhD Biological Chemistry 1985
Howard Crawford, MBA Business Administration 1980
Constance Etheridge Curry, BS Business Administration 1981
Alexis Finlay, MD Medicine 1981
Michele Fuller, BS Physician Assistant 1980
Edwin Guarino, Cert. Physical Therapy 1983
James Hansberry, MBA Business Administration 1985
Patricia Kleven, PhD Clinical Psychology 1988
Jeanne La Mont, MD Medicine 1980
Maureen Macrina Esposito, BS C&E General Studies 1985
Stephen Markowitz, MBA Business Administration 1986
David McDowell, BS Electrical Engineering 1985
Susan Newcomb, MD Medicine 1981
Kynam Nguyen, BS Chemical Engineering 1989
Julie Raymond, MD Medicine 1989
Mary Ryczak, MD Medicine 1980
Peter Sackaris, BS Accounting 1980
Lawrence Schrier, BS Business Administration 1983
Mani Sharma, MS Computer Science 1987
David Soll, BS Electrical Engineering 1980
David Taylor, MS Physics & Atmospheric Science 1988
Irma VanCatledge, MBA Business Administration 1981

1990s

Kevin Babbington, BS Electrical Engineering 1990
Michael Carnivale, BS Civil Engineering 1993
Edmund Davies, BS Civil Engineering 1999
Rich Dolan, BS Marketing 1992
Richard Eberharter, BS Accounting 1991
Tracey Gamble, BS Mental Health Technology 1999
Jennifer Happersett Prince, BS Film & Video 1994
Krista Hughes, MS Library & Information Science 1997
Marjorie Little, MS Library Science 1990
Paul Lynn, MBA Business Administration 1992
Donald Mullen, BS Production Operations Management 1994
Amy Rosenberg, BS Accounting 1994
Randolph Scott, BA Architecture 1997
Glenn Slater, BS Electrical Engineering 1993
Carey Smith Anderson, BS Marketing 1993, MS Molecular Biology 1997
Renee Stadler Armstrong, BS Commerce and Engineering 1993
Carolyn Wegfahrt, BS Emergency Medical Services 1993

2000s

Laura Barry, MSN Nursing 2009
Joseph Dougherty, BS Business Administration 2002
Stephan Dziadkowsky, BS Business Administration 2006
Nicolas Golato, BA Architecture 2001
Danielle Keating, MS Science of Instruction 2005
Jonathan Nagel, BS Biomedical Engineering 2007
Margaret O'Connor, MS Library & Information Science 2000
Sara Rosenstein, BS Design & Merchandising 2007
Christopher Trouts, BS Environmental Engineering 2003

2010s

Patricia Collins, BS Nursing 2016
John Davis, BS General Studies 2010
Victoria Edwards, BS Graphic Design 2014
Tonney Gardner, MBA Business Administration 2011
Kevin Radcliffe, BS Nursing 2018

Richard C. Goodwin, 1928–2022

Richard C. Goodwin, a loyal Drexel alumnus, philanthropist and businessman — whose name graces The Goodwin College of Professional Studies — died on June 24, 2022, at the age of 94.

Born in Philadelphia in 1928, Goodwin credited his father, Harry, for teaching him the values of self-discipline and a solid education. He strove to construct a better world, using the values he inherited from his father, along with his compassion and knowledge of business.

Goodwin received his bachelor's degree in commerce and engineering from Drexel in 1948, followed by an honorary doctoral degree in 2004.

Through Goodwin Enterprises, he, his family and colleagues had an enormous impact on shaping the landscape of South Jersey through the construction of thousands of residential units, as well as sewer and water companies and neighborhood shopping centers. Additionally, Goodwin was chairman and founder of the Goodwin Foundation, supporting more than 100 organizations and institutions throughout the United States.

His landmark naming gift to Drexel in 2000 resulted in the renovation of Goodwin College's facilities and support for the college's practical education in several areas of technology, applied management and liberal studies to all students.

He is survived by his wife, Susan Nitsch; his children, Joanna, John and Robert Goodwin; grandchildren; and great-granddaughters.

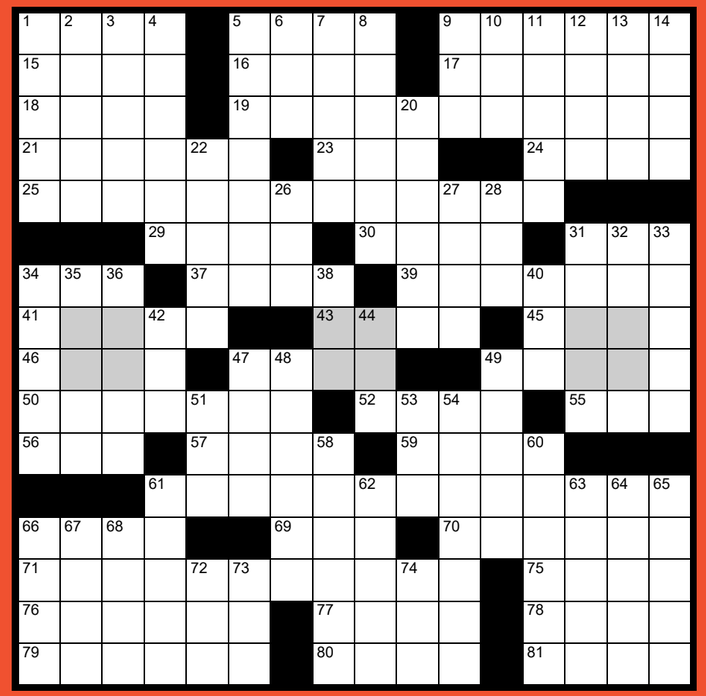
Crossword

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. You can also email an image of your completed puzzle to magazine@drexel.edu. The summer prize winner is Bea Cabello '20 of Chicago.*

Drexel University
Office of University Communications
3141 Chestnut Street
Main Building, Suite 309
Philadelphia, PA 19104-2875

NAMES IN STONE

This puzzle was built to recognize some signature constructions around Drexel's campus.



EVAN BIRNHOLZ

ACROSS

1 Chunk of concrete
5 The A of UAE
9 Arouses audience interest with a trailer, say
15 Officially relinquish, as territory
16 I in the Greek alphabet
17 Spanish naval force of 1588
18 Hopping animals with pouches, for short
19 Personality test that assigns you to one of 16 different personality types
21 "That. Is. Amazing."
23 "Look what I found!"
24 Catches a glimpse of
25 British car company acquired by Volkswagen in 1998
29 Former Cubs all-star Sammy
30 Stage in an insect's life cycle
31 Word after "survival" or "first aid"
34 Where a parachute is opened
37 "College GameDay" network
39 Go over again, as one's steps
41 British gents
43 "On the other ___ ..."
45 Blacken, at a barbecue
46 French fashion magazine headquartered in Paris
47 Shark's organ
49 Shopping spree settings
50 In no way whatsoever
52 Breakfast brand for Eleven on "Stranger Things"
55 Cheer heard at a stadium
56 Something sipped at a social
57 Periods often named for administrations
59 Love god depicted as a child in some art
61 Winner of the first season of "American Idol"
66 "That's right!" to a preacher
69 Suffix meaning "sorta"
70 Simmer with silent fury
71 Philanthropists, such as those found in the first words of 19-, 25-, and 61-Across whose namesakes were given to Drexel University buildings (which are in the gray squares)
75 Gets a Bug off the shoulder, say
76 Left suddenly, informally
77 Potential apt horror film setting in Pennsylvania?
78 Problem prevented by a blood thinner
79 Confuses
80 Big Pharma products
81 Cuts down with an ax

DOWN

1 Clean vigorously, as a tub
2 ___ Leone (African nation)
3 Decorate
4 Attacks from all sides
5 Having no goal in mind
6 Siegfried's magic show partner
7 Mr. T's Special Forces group on TV
8 Do some pub-crawling
9 It's opened during a pub crawl
10 Screw up
11 Wrong
12 Herb used in stuffing
13 Cutting-___ (new)
14 Young child's backtalk
20 Site of icy rings
22 Botanicals in balms
26 "Shut yer____!"
27 Take place in a newspaper?
28 Scurrying animal
31 "Memory, the Heart" painter Frida
32 Gambler's declaration
33 Brief, as a statement
34 Aromatherapy emanation
35 Sister of Kourtney, Kim, and Rob Kardashian
36 1945 conference site
38 Philadelphia Flyers' org.
40 Maker of CD players
42 Split ___ soup
44 Happy hour purchase
47 ___ Scouts (group whose members earn badges)
48 *Like the text in this clue*
49 "G.I. Jane" actress Demi
51 Primrose pollinator
53 Semisolid substance
54 Prairie growths
58 Established procedure
60 "Monty Python's Flying Circus" bit
61 Solemn sound of a bell
62 Vacuuming the carpet, e.g.
63 ___ the show (outshined the rest of the cast)
64 "That. Is. Amazing."
65 Structures in trees
66 "Dancing Queen" band
67 Honey-based beverage mentioned in "Beowulf"
68 Novelist Bagnold
72 Late ___ (library payment)
73 Breaks in the action movie, say
74 Get ___ of (toss)