

SPRING 2012

UNIVERSITY MAGAZINE

# TEMPLE



## LEAPIN' LIZARDS

IN A TEMPLE LAB,

REPTILES AND CRUSTACEANS

UNLOCK THE

MYSTERIES OF HUMAN

MOVEMENT.





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**COMMUNITY**

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**TAKING IT TO THE STREETS**

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Since being shot, ex-offender Terry Starks has been dedicated to transforming the lives of his North Philadelphia peers through the CeaseFire program at Temple.

# TEMPLE

*From Vietnam to North Philly, from the science lab to the artist's studio, this issue of Temple focuses on students, faculty and alumni engaged in ground-breaking research, service and intellectual pursuit.*

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## SCIENCE

### DO THE LOCOMOTION

An unconventional Temple researcher learns about human movement by setting lizards and crabs in motion.



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### INTREPID NATURE

On-campus protest was one of the long-running themes of the Vietnam War. But David Zierler, CLA '08, tells the story of a group of academics who bucked the system from the inside.

**ON THE COVER:** The basilisk lizard is one of the creatures Assistant Professor of Biology Tonia Hsieh studies in order to learn more about how humans move. Photograph by Joseph V. Labolito



# 86 YEARS AND COUNTING



## PAST

Temple's alumni publication first launched in 1926 as *Temple Alumni Bulletin*. The Class of 1926 Commencement ceremony graced the cover, as graduates did throughout the 20th century. Here, an Owl readies herself for the celebration in 1941.



## PRESENT

Like Temple itself, its alumni publication has undergone myriad transformations. It has been *Temple Alumni Bulletin*, *Temple University Alumni Review*, *Temple Review* and now, *Temple*. Throughout its history, the magazine has marked Temple's peaks, valleys and landmarks—such as the debut of the now-iconic Temple “T,” emblazoned on the cover in 1983.



## FUTURE

We hope this iteration of Temple's magazine enlightens, inspires and challenges you. In it, the *Temple* staff will continue to report about innovation, creativity, and the intellectual and research excellence that is characteristic of Temple today. We also hope this publication conveys what an adventure it is to be a part of today's Temple community.

## Give Us 10!

We want to know what you think of *Temple's* new look! To answer 10 questions about the magazine's approach, visit [temple.edu/templomag](http://temple.edu/templomag).

## VOL. 65 NO. 4 / SPRING 2012

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Sustainably designed and printed to reflect Temple University's commitment to environmental stewardship.

**KEY TO SCHOOL AND COLLEGE CODES**

CHPSW	College of Health Professions and Social Work
CLA	College of Liberal Arts
CST	College of Science and Technology
DEN	Kornberg School of Dentistry
EDU	College of Education
ENG	College of Engineering
HON	Honorary Degree
LAW	Beasley School of Law
MED	School of Medicine
MUS	Boyer College of Music and Dance
PHR	School of Pharmacy
POD	School of Podiatric Medicine
SBM	Fox School of Business
SCT	School of Communications and Theater
SED	School of Environmental Design
SSW	School of Social Work
THM	School of Tourism and Hospitality Management
TYL	Tyler School of Art

Conrad Erb Photography



**T**his will be the final time I address the Temple University community in these pages. As I prepare to step down as president June 30, 2012,

I want to say how tremendously proud I am to have served this great institution during the past six years.

We have shared many achievements. Through the development of the Academic Compass, the launch of the Temple 20/20 campus planning framework and the completion of the successful Access to Excellence fundraising campaign, we articulated Temple's mission for the 21st century and have taken significant steps to ensure the university's future progress.

We can already see early results of this work, through increasing rates of student success; the expansion of Temple's research

enterprise; the construction and opening of new buildings; broadened engagement in Philadelphia; and an expanded international presence.

Temple also faced many challenges during our years together. Most notable were those arising from the dramatic 2008 decline in the national and state economies.

Our students and their families were especially hard hit under increasing economic pressures, and the decrease in Temple's commonwealth appropriation compounded the already trying task of financing a college degree.

We met these challenges by working together to make difficult decisions, institute painful budget cuts and reallocate resources to increase student aid. We have witnessed a sea change in how we must manage our budget with waning support from the commonwealth and a greater need for private philanthropy to assist our students.

Our shared successes are directly attributable to Temple's unique culture, one of deep commitment to providing academically talented and highly motivated students with opportunities to achieve excellence, regardless of their status or station in life.

I am confident that this commitment will carry Temple forward under its next president, and for generations to come.

I leave Temple with many wonderful memories, the warmth of valued friendships and tremendous pride in the Temple students and alumni I met during my presidency. It has been an honor to serve with you, and beside you, on behalf of Temple University.

Warm regards,

Ann Weaver Hart  
President, Temple University

# CUBIC FEAT

*Watching Stephanie Chow deftly solve a Rubik's cube is akin to watching a hummingbird: Like the speed of the latter's wings, focusing on her actual movements is nearly impossible.*

*A first-year medical student, Chow competes nationally in Rubik's cube competitions—called “speedcubing”—and once was ranked the fastest woman Square-1 solver in the world. (The Square-1 is a variation on the standard Rubik's cube.)*

*When Temple met her in the Medical Education and Research Building, she was sitting with her classmates, whose jaws collectively dropped as they watched her solve the puzzle in fewer than 15 seconds.*

## **What brought you to Temple?**

The Medical School has great facilities, awesome classmates and wonderful faculty. Philadelphia also is a nice city. I've always wanted to live in a city.

## **Have you chosen a medical specialty yet?**

Not really, but I have ideas. I am thinking about oncology—the subject fascinates me. But really, it's a bit early to decide.

## **The Rubik's cube was first released in 1980. When and how did you first pick it up?**

In 2006, my friend—the former world-record-holder for speed-cubing—gave me a cube for Christmas. I didn't improve my time until I attended UC Berkeley. There is an amazing Rubik's cube community there, where we have a club, hold competitions and teach classes about how to solve the Rubik's cube.

## **How long did it take you to learn how to solve it?**

A friend taught me, and I was able to solve it by the end of the day.

## **Do your friends make you solve it at parties?**

Absolutely. I don't really carry my cube around, but when I do, it's a pretty big hit.

## **How do your interest in cubing and your interest in medicine dovetail?**

One thing we are learning about right now is how the embryo develops. During that stage of



Ryan S. Brandenberg

## STEPHANIE CHOW

**DEGREE:** School of Medicine, Class of 2015

**HOMETOWN:** Cupertino, Calif.

the life cycle, there are many folds of tissue and new membranes developing. It's very much like picturing what happens to each part of the cube when I use a specific algorithm to solve it.

## **Can you give beginners some tips on how to solve the Rubik's cube?**

The centers never move, so you are basically rotating all the faces around an axis. You solve

the cube as you would make a three-layer cake. You start with the foundation, and then you build your way up from there. That is the simplest way I solve the cube, but there are many other methods to it. I'm only fast because I skip steps. For example, I construct the first two layers of the “cake” at once.

**To watch Chow solve a cube in record time, visit [temple.edu/templemag](http://temple.edu/templemag).**



# NEWS

*Temple takes on hydraulic fracking; the Intergenerational Center wins the first Eisner Prize; a Temple study reveals new attitudes about teen health; a researcher aims to improve the mortality of septic patients; a professor launches a virtual support community; Temple wins its first bowl game in decades.*

Richard Enticknap



## TRADING WITH BEIJING

A new agreement between Temple and Beijing Forestry University in China will foster student and faculty exchanges and research collaboration.

The new program is led by Jeffrey Featherstone, *CLA '99*, director of the Center for Sustainable Communities, and was established by Temple's Office of International Affairs. China's booming industrial culture presents an environmental challenge for Temple students, notes Deborah Howe, chair of the Department of Community and Regional Planning.

"There is very little stormwater infrastructure in major and developing cities in China," Featherstone says. "Those are the things we research in the Center for Sustainable Communities. The reality is that those systems need to be put in place. It's the type of research that is ripe for collaboration."

That exchange of ideas has begun already. This spring, the first Temple student is studying in Beijing, and Chinese undergraduates are attending Temple. **JAMES DUFFY, EDU '11**

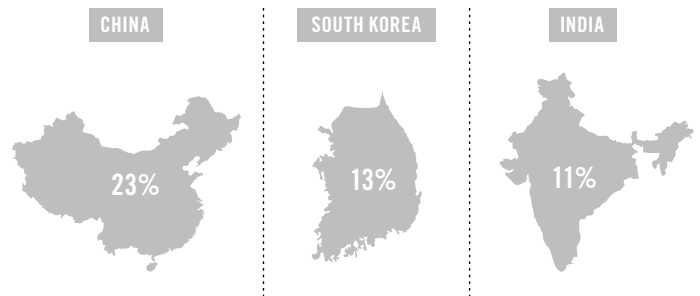
THIS YEAR, TEMPLE'S INTERNATIONAL-STUDENT POPULATION TOPPED

**2,000**  
FOR THE FIRST TIME.

*That's a 6%*  
INCREASE OVER LAST YEAR.

Temple is not alone in experiencing an influx of students from around the globe. According to a new report from the Institute of International Education, the number of international students at colleges and universities in the U.S. **INCREASED 5 PERCENT TO 723,277 LAST YEAR.**

Most of Temple's international students are from:



Ryan S. Brandenberg



## LIKE WATER FOR HYDRAULICS

Professor of Chemistry Daniel Strongin (above) might have a solution to a water-pollution issue plaguing Pennsylvania and its surrounding states.

He is developing a technology to help solve the commonwealth's historic problem with acid mine drainage. Strongin's new method also might help the newest environmental challenge: the hydraulic fracturing of Marcellus Shale, a rock formation that spans six states, including Pennsylvania.

The rock that is left in abandoned mines after coal is extracted contains sulfur impurities that decompose and form sulfuric acid when exposed to air, water and microbes. When water fills a mine's underground tunnels, sulfuric acid on its walls can enter nearby groundwater.

While chemicals such as lime are often used to neutralize acidic runoff, they do not eliminate the root cause of it, Strongin says. So his lab is developing a technology that uses a specific kind of lipid molecules to form a hydrophobic layer that binds to the metal sulfide, keeping water, oxygen and bacteria from causing it to decompose.

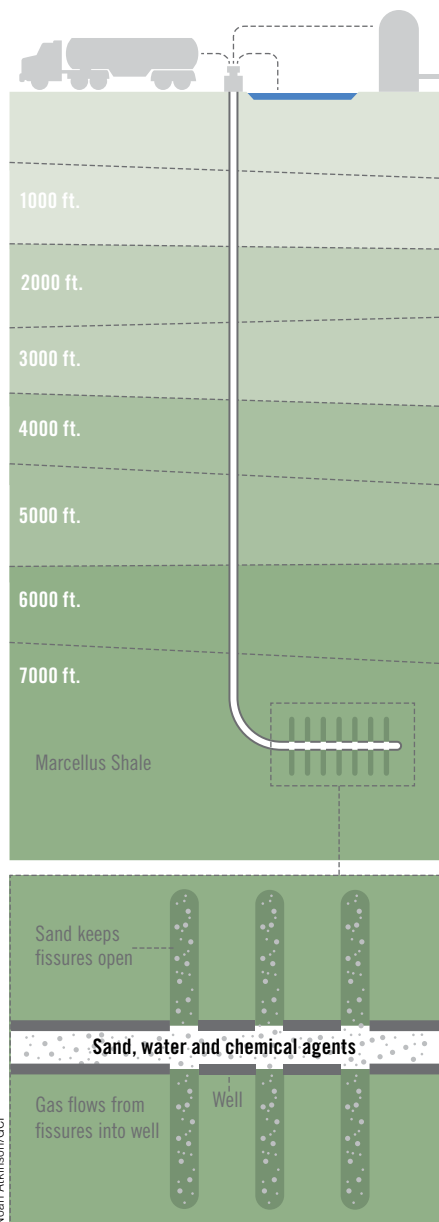
Strongin believes that keeping the acid drainage from reaching mine waters could enable the water to be used in natural-gas extraction. During hydraulic fracking, pressurized water is pumped into the earth to break the shale and extract the gas. Using mine water would limit the amount of resources used by keeping fresh water out of the process.

"[Fracking] requires a tremendous amount of water," Strongin explains. "In a given well, you need 2 to 5 million gallons to fracture the rock and release the natural gas," he says. "As one might expect, people don't want to waste fresh water on that process."

Strongin also points to the cost incentive for remediating abandoned mining areas—which are often close to drilling areas—and the contaminated water emanating from them for use in natural-gas drilling. **PRESTON M. MORETZ, SCT '82**

*"In a given well, you need 2 to 5 million gallons [of water] to fracture the rock and release the natural gas. People don't want to waste fresh water on that process."* —DANIEL STRONGIN, PROFESSOR OF CHEMISTRY

## HYDRAULIC FRACTURING: MARCELLUS SHALE



### HOW IT WORKS

Hydraulic fracturing, or "fracking," is a method of extracting natural gas from shale deposits in the Earth's crust. Wells are drilled as far as 10,000 feet below the surface, first vertically and then horizontally, and fed with electrical charges that open small perforations in the shale's horizontal part, also known as the "frac zone."

Then the wells are injected with millions of gallons of a highly pressurized mixture of water, sand and chemicals, which causes larger fractures in the shale. The sand particles prop the fissures open, which allows the gas to seep more freely into the wells.

This process is often continued several times and spans the length of the horizontal portion of the well. Recovered water from the fracking process is stored in pits until it is taken to a water-treatment plant.

Near Atkinson/GCF



Joseph V. Labolito



Ryan S. Brandenberg



Shanker, left, first learned about the Marcellus Shale and fracking while working on a project in New York's Catskill Mountains.

Curious as to whether or not the shale could be used for pottery, she began working with Temple geologists to study its safety, and to learn the severity of the environmental implications of fracking.

Ryan S. Brandenberg



## ART OF THE SHALE

Jennie Shanker, a sculptor and adjunct assistant professor in the Tyler School of Art, recently traded in traditional sculpting material to work with something more challenging—and decidedly more controversial.

Shanker's recent work is made of clay produced from Marcellus Shale, the Appalachian rock formation that is at the center of controversy over the extraction of its vast reserves of natural gas.

"It wasn't until I started working on a project in the Catskills that the practice of fracking became a common topic," she says.

"There's a lot of shale up there, and I started to wonder if I could work with it. Is it safe? And, what makes Marcellus different from other rock formations?"

Those questions spurred Shanker to begin an exploration of the shale—whether or not it was safe, and whether or not the environmental implications attributed to fracking were as serious as they sounded. She collected silt stone in 5-gallon buckets and brought it back to her studio in Philadelphia, where she refined it into clay.

"The soil is very hard when it's dry," Shanker says. "I was fortunate to find a muddy area where I could dig material that nature had already refined into small particles. Shale, I learned, makes excellent clay."

The particles became the base for the material she used to create more than

50 coffee cups, which were on display in Temple Gallery in late 2011. She also submitted some of the material to Temple geologists for identifying and assessing its chemical makeup. According to Shanker, they found 30 chemical compounds (at safe levels) within the clay, such as zinc, uranium, lead, arsenic and mercury.

Shanker's exhibit was a part of the cross-disciplinary Big Shale Teach-In, a symposium in which she participated. The teach-in brought together environmental researchers, engineers, geologists, social scientists, student activists, legal experts and others to discuss the issues surrounding the extraction of natural gas from Marcellus Shale.

**JAZMYN BURTON**



The Intergenerational Center fosters community- and relationship-building by connecting younger generations with their elders.

## YOUNG AND OLD: A PERFECT PAIR

Temple's Intergenerational Center recently became the first recipient of the Eisner Prize for Intergenerational Excellence, a \$100,000 award given to an organization that has had lasting success in uniting seniors and youth to bring about positive changes in the community.

Headed by former Walt Disney Co. CEO Michael Eisner, the Eisner Foundation established the award in 2011 "to identify and reward those individuals and organizations in this nation that have utilized children and seniors as assets" in effecting community change.

Recently, the center has gained much attention for its successes. Project SHINE, a program that connects student volunteers with older immigrants to help them learn English and become engaged in the community, received a 2011 *E Pluribus Unum* Prize, which recognizes outstanding immigrant integration initiatives.

In addition, Temple's Time Out Respite Program, which recruits and trains students to provide in-home support for families caring for frail elders, received a grant from Phillies Charities Inc. for its overall dedication to making a positive impact on the community. Nancy Henkin, *EDU '73, '80*, executive director of the Intergenerational Center whose father was diagnosed with Alzheimer's disease, engages students involved in Time Out to visit him on a weekly basis to provide support and companionship.

"For too long, we have viewed young people and older adults as problems rather than resources," she says. "Instead, we have to build upon the strengths of all generations to make communities good places for growing up and growing older." **RENEE CREE**

## TUHS AND FOX CHASE TO JOIN FORCES

Temple University Health System (TUHS) and Fox Chase Cancer Center in Philadelphia are in the process of signing an agreement that allows the two medical centers to strengthen the resources and care that both institutions provide. The affiliation will enhance cancer research and patient care in the region.

By becoming a Temple affiliate, Fox Chase will be able to expand its outpatient and surgical-care services, both within its existing facilities and through the use of leased space in Jeanes Hospital, an affiliate of TUHS since 1996. The proximity of Fox Chase to Jeanes Hospital will generate a contiguous, 47½-acre site to serve as Temple's hub for innovations in cancer care and research.

"This bold, visionary relationship sets the stage for many opportunities to grow and enhance the cancer-related patient care, research and educational programs of Temple's health-care enterprise," says Larry Kaiser, senior executive vice president for health sciences, dean of Temple University School of Medicine, and president and CEO of TUHS.

Additionally, Temple will provide Fox Chase with new resources to recruit additional physician-scientists who will create new pathways for the prevention, treatment and, ultimately, cures for cancer and cancer-related conditions.

Fox Chase Cancer Center is one of only two National Cancer Institute-designated comprehensive cancer centers in Philadelphia, and one of only 40 in the U.S. **REBECCA HARMON**

## POPULARITY CONTEST

THE SCHOOL OF MEDICINE AT TEMPLE UNIVERSITY IS ONE OF THE

# 10 MOST SOUGHT-AFTER

*medical schools in the nation,*

according to *U.S. News & World Report's* "U.S. News Short List."

THE SCHOOL RECEIVED 9,624 APPLICATIONS IN 2010.



# CAN WE SIT IN?

Each semester, the undergraduate course catalog teems with intriguing classes that reflect the interaction, exploration and creativity that thrive at Temple. If we were students, here are five courses we would not want to miss.

## CHEMISTRY OF WINE (CHEMISTRY)



*Students spend the semester fermenting their own grape juice and examining wine culture, history and quality. Has anyone ever missed the tasting class?*

## INSIDE-OUT PRISON EXCHANGE (CRIMINAL JUSTICE)



*Inmates share the classroom with students, discussing crime, criminal justice, imprisonment and more.*

## TOKYO IN LITERATURE AND FILM (CRITICAL LANGUAGES)



*Step aside, Godzilla: The class tours Tokyo through depictions of the city in films and written works, such as the novels of lauded author Haruki Murakami.*

## UFOS IN AMERICAN SOCIETY (AMERICAN STUDIES)



*Whether one believes in it or not, the UFO phenomenon is a long-standing part of American popular culture. This class explores views of UFOs in the U.S.*

## THE VIDEO GAME INDUSTRY AND GAME CULTURE (BROADCASTING, TELECOMMUNICATIONS AND MASS MEDIA)



*Students select, play and study a video game and its culture, and assess how communications and gaming intersect.*

To view university lectures online, visit [templetv.net](http://templetv.net).

# TEEN OBESITY AND UNHEALTHFUL HABITS

Clare Lenhart, a doctoral student in the Department of Public Health, uncovered new information about teen attitudes toward health by compiling data from the 2010 *Philadelphia Youth Risk Behavioral Survey*.

Lenhart and colleagues organized data from nearly 44,000 adolescents into different types of health behaviors, such as smoking; amount of weekly physical activity; daily soda consumption; and hours per day spent playing video games. What they found answered questions about how teens view weight loss, and their views about other life-style choices and health. The data can help educators and doctors understand how to approach weight loss and healthful living when talking to teens.

Her team found that while 75 percent of obese teens reported a desire to lose weight, their actions often hindered them. For example, that same 75 percent also was more likely to admit to smoking.

Females trying to lose weight were more likely to report participating in 60 minutes or more of daily physical activity. But data showed that these young women also were prone to daily consumption of sugared soda.

Males who were trying to lose weight were more likely to report having no regular physical activity, and also reported playing more than three hours of video games per day.

Lenhart believes that such teens need more professional guidance about healthful choices.

"If children are going to a pediatrician, and he asks them if they're losing weight, an appropriate follow-up question might be, 'How are you doing that?'" Lenhart suggests. "It might help guide them to more productive weight-loss activities." **RENEE CREE**

## FAST FACTS

**75%** of obese teens reported a desire to lose weight.

That same **75%** was more likely to admit to smoking.

Females trying to lose weight were more likely to report participating in

**60 minutes** or more of physical activity per day.

Data showed that these young women also were prone to daily consumption of sugared soda.

Males who were trying to lose weight were more likely to report having

**0 hours** of daily physical activity.

They also reported playing more than

**3 hours** of video games per day.



## RESEARCHER MINES DATA FOR MEDICAL ANSWERS

Sepsis—a severe, rapid infection in the bloodstream that develops with little or no warning—affects hundreds of thousands of people in the U.S. each year. It is mostly treated with antibiotics, but can cause complications for the body’s major organs and is often life threatening.

But thanks to a new \$986,218, four-year grant from the Defense Advanced Research Projects Agency (DARPA), Professor of

*“Sepsis develops very fast. Time is critical for a positive outcome.”*

—ZORAN OBRADOVIC, DIRECTOR OF THE CENTER FOR DATA ANALYTICS AND BIOMEDICAL INFORMATICS AT TEMPLE

Computer and Information Sciences Zoran Obradovic will use data mining—sifting through data in search of new information patterns—to assist in the early diagnosis and treatment of sepsis.

The project is one of eight funded by DARPA that aim to develop a portable device to clean a sepsis patient’s blood, much like a dialysis machine does for kidney patients. Obradovic will collaborate with researchers from MIT, Harvard, Yale, Northwestern and Boston universities, and with two medical companies, Aethlon Medical and Semprus BioSciences.

Obradovic, who also directs Temple’s Center for Data Analytics and Biomedical Informatics, says that the study has three objectives: using data analysis models to develop optimal therapy for individual sepsis patients, developing a method for early diagnosis and identifying genes that can be used as biomarkers for the diagnosis and treatment of the condition.

“Sepsis develops very fast, and patients have to be continuously monitored over a 24-hour period,” he says. “Time is critical for a positive outcome.”

By measuring and observing about 20 different variables each hour from a large

number of sepsis patients over that period, Obradovic says he hopes to be able to develop a method for early diagnosis.

According to Obradovic, if a doctor sees a certain pattern develop over a short time, he or she would be able to start a certain type of treatment immediately and automatically know how to adjust and adapt the treatment as the patient’s condition changes in the hours that follow.

He adds, “We’re looking for patterns that will allow us to predict the direction of the infection after a short time, instead of waiting 24 hours.” **PRESTON M. MORETZ, SCT ’82**

### FAST FACTS

## SEPSIS\*

Cases of sepsis and septicemia more than doubled between 2000 and 2008.

The likelihood of septicemia or sepsis patients dying while hospitalized is roughly eight times higher than patients hospitalized for other conditions.

More than \$14 billion was spent on hospital treatment for sepsis in 2008.

\*National Center for Health Statistics, *Inpatient Care for Septicemia or Sepsis: A Challenge for Patients and Hospitals*, June 2011.





A man with aphasia and graduate student Dana Kathrins share the book they created through the Finding the Right Words program in the Department of Communication Sciences and Disorders.

## STUDENTS HELP TRAUMA AND STROKE PATIENTS FIND THE RIGHT WORDS

After a stroke or a traumatic brain injury, many people experience a language disorder that impairs their ability to communicate. Called aphasia, the disorder affects nearly one million people in the U.S. While it primarily affects the ability to understand others or express oneself using spoken language, it often makes reading and writing difficult, as well.

Graduate students in the Department of Communication Sciences and Disorders have been helping a group of adults with aphasia regain their reading and writing skills. The students work with patients to write, design and publish their own books as a part of a new program called Finding the Words: Authors with Aphasia. It is directed by Rena Krakow, associate professor of

communication sciences and disorders, and Francine Kohen, a researcher and speech and language pathologist at Temple's Safran Center for Cognitive Neuroscience.

At a recent celebration of the program at the College of Health Professions and Social Work, the students presented the finished books to their adult partners. Among the books were an autobiography about living with aphasia, a comic book and a work of historical fiction.

"One of the great things about working on these books is the permanence of written language as compared to the fleeting nature of spoken language," Krakow says. "The books enable the adults to work more slowly than they can with speech. They have time to find their words and can return to the text to work on it some more."

She adds that the students are trained to deal with language and literacy. Therefore, they can structure and revise the patients' work to give them a venue for self-expression that is often limited by spoken language.

RENEE CREE

## GRAND ROUNDS, EDUCATION STYLE

Fans of television hospital dramas are acquainted with doctors' rounds, wherein medical residents shadow attending physicians to present and discuss their patients' conditions and treatments.

A new Temple collaboration borrows that approach by bringing together high school- and university-level teachers to observe each other's classroom lessons, compare notes and diagnose challenges in an effort to promote literacy and writing instruction.

In November, teachers from Roxborough High School in Philadelphia attended Temple courses such as *First-Year Writing*.

Temple instructors also traveled to Roxborough to observe English and writing classes at the high school level.

Through these instructional rounds, both groups are learning firsthand what happens in each other's classrooms, so they can develop a shared understanding of good writing instruction and how they can maximize opportunities for student success.

"As instructors, we can learn how to better scaffold our writing assignments to reach back, bridge gaps and put supports in place so that students can succeed at college-level work," says Pamela Barnett, associate vice provost and director of Temple's Teaching and Learning Center.

The visits are part of the national, five-year Citi Postsecondary Success Program, which focuses on enhancing college access

and success rates for first-generation college students and those from low-income families. Now in its third year, the program is taking place in Miami, San Francisco and Philadelphia.

Philadelphia's program introduced the idea of instructional rounds. It also is the only city in which the rounds include both college and high school instructors.

"The misalignment of high school and college writing curricula is a national problem," says Eli Goldblatt, *EDU '82*, professor of English and director of the First-Year Writing Program at Temple. "Greater curricular alignment needs to happen between teachers." KIM FISCHER, *CLA '94*

## FAST FACTS

Nearly

**40%**

of young adults reported a first suicide attempt in elementary school or middle school, according to a 2011 study published in the *Journal of Adolescent Health*.

In 2011, Jonathan Singer collaborated on a study that surveyed 400 social workers across all grade levels. At the elementary school level, about

**75%**

of social workers reported working with suicidal youth within the past two years.

According to a survey conducted by the Centers for Disease Control and Prevention in 2009,

**6.3%**

of students reported that they had attempted suicide one or more times during the year prior to being surveyed.

To learn more about Finding the Light Within and to explore the website, visit [storytellingmural.org](http://storytellingmural.org).

## VIRTUAL HELP

When Assistant Professor of Social Work Jonathan Singer was in high school, he appeared in his school's production of *Ordinary People*, a story about a family dealing with the death of one son, and the attempted suicide of another.

After each rehearsal and show, a social worker talked with the students about youth suicide—how to identify troubling behavior, who to talk to and how to get help. Singer says that is where the seeds of his career were sown.

Singer's love of the arts and his drive to help youth in crisis dovetailed earlier this year, when he began working with the Philadelphia Mural Arts Program on Finding the Light Within, a project to raise awareness and support for people affected by suicide. The project features a website that Singer co-created, designed and moderates. The site complements a mural currently being constructed in West Philadelphia by local artist James Burns.

Singer hopes the site will be a support community by allowing people who have lost someone to suicide, or people who have supported someone through a suicidal crisis, to tell their stories.

For three months, Singer and Burns worked with Temple's Department of Computer and Information Sciences to decide what the site should include and how it should look.

Many people have participated in the site already, most anonymously. In one heartbreaking story, a woman describes finding her husband dead; in another, a writer describes feelings surrounding an uncle's death.

Research has shown that sharing these types of thoughts with people experiencing similar situations can help the healing process and mitigate feelings of loneliness.

In order to find out if that is true, Singer has developed a survey that contributors can complete anonymously.

"No one has ever created a website that merges support with active research," he says. "We're taking this opportunity to do some fundamental research on the perceived benefits of sharing stories about suicide online." **RENEE CREE**



The Owls celebrate a hard-fought victory in the Gildan New Mexico Bowl in December.

## TEMPLE FOOTBALL MAKES HISTORY

The Owls trounced the University of Wyoming during the team's fourth-ever bowl appearance in the Gildan New Mexico Bowl in December. The 37-15 bowl-game victory is Temple's second, and its first since defeating California in the 1979 Garden State Bowl.

The team finished the season with a 9-4 record and a four-game winning streak. The Gildan New Mexico Bowl also extended Temple's senior-class record to 31 wins over the past four seasons.

Across the nation, the alumni clubs of metropolitan New York and Washington, D.C.; Temple University Alumni Association; and Owl Club hosted viewing parties in New York, Washington, D.C., and Philadelphia to root for the team, and approximately 1,200 students, alumni and friends attended the game to show their Temple pride.

At a press conference that followed the game, Head Football Coach Steve Addazio said, "We're excited to go back to Philadelphia representing our university and our city, a great sports city, with this win." **MARIA RAHA**



# TUAA NEWS

*Temple Owls are everywhere! And through Temple University Alumni Association (TUAA) regional clubs, Temple is where you are.*

## TEMPLE ALUMNI ARE A MAJOR FORCE IN METROPOLITAN NEW YORK

They are 18,000 strong, hosting exclusive events that range from meeting Broadway star Hugh Panaro, *MUS* '85, to touring the studios of MTV and shopping after hours at Saks Fifth Avenue.

Volunteer board members in the metropolitan New York area are committed to Temple, and support the efforts of the Temple University Alumni Association (TUAA) by hosting events and programming aimed at strengthening the bond between alumni and the university.

TUAA regional club activities connect you with fellow alumni and provide special access to locations, events, lectures and professional networks.

*To find out what Temple alumni are doing in your region, visit [myowlspace.com/groups](http://myowlspace.com/groups).*

*“What better way to show my Temple pride than by getting involved with my regional club? I’ve made lifelong relationships; remained connected to Temple; and had the pleasure of being a part of something big.”*

—AMY LAROVERE, SCT '83, CHAIR, ALUMNI CLUB OF METROPOLITAN NEW YORK



John P. Argueta



John P. Argueta



John P. Argueta

Members of the Alumni Club of Metropolitan New York reconnect at myriad events throughout the year. Recently, they have shopped 'til they dropped at Saks Fifth Avenue (left), and mixed and mingled (top right) before attending the Temple Idea (bottom right), an engaging lecture series featuring Temple experts.





#### **RUNNING WILD**

In her high-tech laboratory in the College of Science and Technology, Assistant Professor of Biology Tonia Hsieh studies the ways in which lizards and other creatures navigate changes in their natural environment, to better understand how we move.



# DO THE LOCOMOTION

LIZARDS, CRABS AND

COCKROACHES HELP ONE

ADVENTUROUS TEMPLE

RESEARCHER UNLOCK THE

MYSTERIES OF HUMAN

MOTION.

STORY BY JAIME ANNE EARNEST, *CLA '07* PHOTOGRAPHY BY JOSEPH V. LABOLITO



In a lab in the College of Science and Technology, a small, unassuming lizard sits on an ad-hoc plywood runway. Suddenly, a burst of air behind him startles

the little creature, and sends him sprinting down the runway at top speed. His gait is wide—rather than having his legs move in front of him, they flare to the side in a kind of propeller motion.

A high-speed camera trained on the runway catches all the action, and records the slightest change in the lizard's movement as he hits a slick spot. But, he keeps right on going, never stumbling, never skipping a beat. How did he do that? It's just one of the things that Assistant Professor of Biology Tonia Hsieh and her research team contemplate. She also is interested in how the cute-but-cannibalistic ghost crab can function after sacrificing a limb in battle with another of its species, and how the average cockroach is able to reach its top sprinting speed, hanging completely upside down.

As it turns out, understanding how *we* get around might depend on understanding how *they* get around.

Existing research illustrates some of the ways that animals walk and run in their native ecosystems, as well as how we humans navigate the challenges in ours. But many questions about how their movement can improve ours still remain.

By studying the locomotion of these bipedal creatures, Hsieh's team aims to understand how our bodies instinctively adapt to different surfaces and changing environmental conditions. The results could aid the elderly and enhance our understanding of robotics. "Our world is so complex," Hsieh says. "As we make our way through our built environment, we have to deal with so many things: broken city sidewalks, grass, potholes. Until now, the biomechanics of movement have been studied in very controlled experimental environments. While that's been essential for understanding locomotion, we need to better understand how animals move in natural environments."

*"[Ghost crabs] are incredibly cute, but they're also predatory, cannibalistic and merciless."*

—TONIA HSIEH, ASSISTANT PROFESSOR OF BIOLOGY, COLLEGE OF SCIENCE AND TECHNOLOGY

#### LIZARD LOUNGE

More than 100 small green anole lizards live in Hsieh's lab—their slip-recovery methods particularly interest her. She also studies the basilisk lizard and baby frilled dragons, both bipedal runners. The researchers construct most of the surfaces on which their creatures run—like the runway. "For me, it's one of the most fun parts of the research—getting to build things," Hsieh says. The runway comprises hard, smooth pieces of plywood and glossy poster board covered with a slick film. Hsieh and her team coax the lizards to sprint down the runway, and study how their movements differ depending upon whether or not they keep their balance on the slick spots.

The lizard can stay upright by rotating its upper body opposite the direction of the perturbed foot. But Hsieh adds that many times, the lizards will fall. That has to do with a number of variables, such as their leg position when they hit the slippery surface, where they are in their stride, and how fast they run. She says that these variables help the researchers understand what causes or prevents a fall, which has implications for physical therapy, and to better prevent injury in groups such as the elderly.

"Slipping and falling are major causes of morbidity and mortality in the elderly," she explains. "As a result, this is a major public-health concern." According to the Centers for Disease Control and Prevention, one in three U.S. adults ages 65 and older experiences a falling accident each year. In addition to broken hips, ankles, pelvises and other debilitating conditions, those falls often contribute to traumatic brain injuries and death. Understanding how elderly bodies adapt to changing surfaces can help create living environments that cater to those most at-risk for falls.

#### CRAB CLAWS

The lizards' neighbor in the lab is *Ocypode quadrata*, also known as the ghost crab. Named for its nocturnal habits and its pale coloration, it has prominent front claws and shining black beaded eyes that are suspended above its body. Despite its small stature, the ghost crab fiercely battles other crabs when provoked. Hsieh describes their behavior with a discernible hint of glee. "They're incredibly cute, but they're also predatory, cannibalistic and merciless. They systematically rip each other's legs off. They go from being fully intact, to spontaneously not. How are they compensating for limb loss?"

Understanding how the crabs compensate after injury has direct implications for building a better robot, especially for an organization such as the Department of Defense or for the military. "Imagine a robot that can jettison its leg after becoming disabled or stuck, and still be useful," Hsieh says. Such a robot might be able to better aid soldiers in battle, or continue functioning after damage in conflict. Traditional robotic design incorporated wheels, but wheels limit a robot's range of motion, particularly in difficult, uneven terrain. But now, a growing trend among researchers is to use legs, allowing for more mobility. Hsieh says that understanding how those legs work in nature could mean a more adaptable robot.

#### MOVIE MAGIC

In order to effectively study her small, speedy subjects, Hsieh employs movie magic: 10 high-speed, super-high-definition video cameras, each capable of shooting up to 16,000 frames per second. A standard video camera shoots only 30 frames per second. One six-camera system is even the



#### ON THE RUNWAY

Hsieh lets loose one of her lizards along a runway that includes a slippery surface, to study how the lizard can stabilize itself.

By studying how her subjects adjust to changes in the surface while maintaining their balance, Hsieh and her team are learning how to better prevent injuries from falls in the elderly.

To watch a video of Hsieh's lizards, visit [temple.edu/templemag](http://temple.edu/templemag).



# MEET THE TEAM

## COCKROACHES

**Cockroaches** are one of the oldest and most numerous species on the planet. First appearing between 354 and 295 million years ago, there are currently 4,500 species in existence. Their spiny legs help the creatures move over difficult terrain, and even enable them to walk upside down.

The cockroach has a spectacular range of motion. It can run up to 3 miles per hour and can change direction up to 25 times a second.

## GHOST CRABS

**Ghost crabs**, named for both their ability to blend into the sand and their nocturnal activity, inhabit coastal areas in tropical and subtropical climates. The crabs use all four pairs of walking legs. When they run at very high speeds, they use only their first and second pairs of legs.

## LIZARDS

**The green anole lizard**, also called the Carolina anole or the American anole, is found predominantly in the southeastern U.S. Anoles are usually bright green in color but can change to brown. Because of their color-changing abilities, they are sometimes confused with chameleons.

**Basilisk lizards**, often referred to as “Jesus lizards” for their ability to run on water, are native to Central and South American rainforests. They run on their hind legs, at speeds between 5 and 7 miles per hour. Males are distinguished by high, finlike crests on their backs and crests on their heads and tails.

**The baby frilled dragon**, named for the large frill around its neck, is native to Australia and New Guinea. The frill usually lies back against the lizard’s body, unless it is frightened or courting. If the frills do not scare off a predator, the lizard turns and runs on its hind legs at very high speeds.



same type that was used to prototype *Avatar*. Using infrared light, the team films at 500 frames per second, gathering information from reflective markers placed on the lizards' bodies. The data is fed through software that recreates the markers in three-dimensional space, allowing Hsieh and her team to track the creatures' movements more precisely.

In another part of the lab, Hsieh uses a fluidizable trackway: essentially, a 1-foot by 3-foot tank filled with tiny glass beads between 2 and 300 microns in diameter. For comparison, a strand of human hair is about 50 microns in diameter.

Hsieh uses a wet vac to force air between the beads, which have the consistency of sand, and can assume the properties of a solid (think hard, compacted sand) or liquid (think of sand being poured out of a pail). When the volume changes from solid to liquid, the surface ripples like water. This particular setup provides the perfect controllable platform on which to simulate more of the variation of surfaces seen in nature.

The fluidizable trackway is used to study how changing surfaces affect the crabs' ability to run. Surprisingly, Hsieh notes that crabs use pointy feet on the softer, granular surfaces, though humans would use snowshoes to adapt to a similar surface, like snow.

Much of Hsieh's work crosses boundaries both within biology and across other disciplines, including engineering, physics, genetics and even architecture. It also challenges the notions of long-held theories in biomechanics.

One of the basic assumptions of the prevailing model, known as the Spring Mass model, states that all running animals will bounce like a pogo stick. The model assumes the constants are a hard, high-traction surface, and that gravity always points downward, toward the feet. Studying the water-running behavior in the plumed basilisk lizard—known as the “Jesus lizard” for its ability to run across the surface of the water—Hsieh found that this model did not apply to the mechanisms of the lizards running on water. And some animals, including the cockroach, run upside down.

“Cockroaches are remarkably stable and simple,” Hsieh says. “They make a great



Data that Hsieh collects could help reliably predict when and how falls might occur, which would allow her team to develop ways to reduce the risks of falling.

model for understanding how animals move, because they have a very simple neurological system and run with incredible stability. What is most amazing is that research both in my lab and by others shows that cockroaches are so stable, they use the same mechanisms for running in very different environments.”

#### INTO THE WILD

To interact with subjects in their natural habitats, Hsieh and her team have travelled throughout the Caribbean, Panama and Guam.

Through her travels, she added yet another animal to her menagerie: *Alticus arnoldorum*, or the Pacific leaping blenny, which she first observed during a trip to Guam in 2002. Hsieh says these little fish demonstrate extraordinary feats of locomotion, and can even climb glass.

“These fish are incredibly dynamic and acrobatic,” Hsieh says. “They can twist their tails and direct most of the force for jumping into the ground.”

In 2010, Hsieh published her findings about the blenny, citing its ability to curl

its body into a “C” shape, then twist the tail axially, using it to push its body off of the ground—whereas other types of fish can only move their tails side to side. She credited the blenny’s unique tail-twisting abilities as a contributing factor to its being able to set up shop on land.

#### ‘SCIENCE A.D.D.’

Hsieh says her love of animals began in childhood: “I wanted to be a veterinarian.”

That is, until a research trip to New Zealand as an undergrad at University of California, Berkeley. “I was sitting atop Stephens Island, taking a break from field-work and staring into Cook Strait, when I suddenly realized I wanted to be a researcher, asking interesting questions and striving to find answers.”

Since then, Hsieh (who claims to have “science A.D.D.”) sometimes mirrors her tiny research partners when it comes to her work, running at high speeds from one project to the next, always conducting more than one study at a time. She has published nine papers relating to animal movement; her first was a study on how geckos are able to stick to surfaces, which earned her an article in the coveted journal *Nature* while at Berkeley. She is currently writing a paper about how tail loss in lizards affects their running stability.

It is clear that Hsieh loves what she does; in the lab, she lets the lizards crawl all over her, and as she watches them run, she smiles. As one nearly launches itself off the runway, she and her colleagues hoot with delight.

“I get to play with things that I’ve been chasing since I was a kid—this is my job,” she says with a laugh. “It’s really fantastic.” ■

*Jaime Anne Earnest, CLA '07, studies interdisciplinary science and is the Lord Kelvin/Adam Smith doctoral scholar at the University of Glasgow in Scotland.*





# TAKING IT TO THE STREETS

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*Reformed offenders disarm those at risk through Temple's Philadelphia CeaseFire program.*

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STORY BY RENEE CREE PHOTOGRAPHY BY RYAN S. BRANDENBERG





# TERRY STARKS USED TO WALK THE STREETS OF NORTH PHILADELPHIA, HEAVILY INVOLVED IN HIGH- RISK STREET ACTIVITY SUCH AS DRUGS, GUNS, MONEY AND AGGRESSION.

Though he might not look physically imposing or swagger like a stereotypical thug, he has seen and done it all, and it never occurred to him to escape that lifestyle. According to Starks (pictured on page 21), it was business as usual.

“I made some bad choices,” he says.

And then, in 2002, Starks was shot four times in the chest while being robbed. He spent 19 days unconscious, and still carries a bullet in his heart.

After that, he says, the fragility of life became clear to him. Something had to change, and he decided to use the money he still had for something positive.

He bought property in North Philadelphia and built a barber shop for the community. Wholeheartedly committed to the business, he lived above the shop while it was being built. From his profits, he opened two other businesses in that same building: a recording studio and a record store. He also began mentoring some of the young men in his neighborhood.

That drive to help his neighbors is what led him to a job with Philadelphia CeaseFire, a program based in the Center for Bioethics, Urban Health and Policy in the School of Medicine at Temple that aims to curb gun violence in North Philadelphia. It is the latest Temple effort to further reduce violence in that area. (The first was called Cradle

to Grave—a controversial, yet effective, program that exposed young people to gunshot victims.)

Now, Starks is back on the streets. This time, he is an outreach worker, canvassing a beat within the 22nd Police District that extends from 22nd Street to the Schuylkill River and from Diamond Street to Lehigh Avenue. Starks talks with community members who knew him before he turned his life around, with the hope of making inroads with some of the young men in CeaseFire’s target demographic: those ages 14 to 25 who are involved in high-risk street activity, such as guns and drugs, and are interested in turning their lives around.

## STREET CRED

Outreach workers such as Starks have street credibility; three of them working with Philadelphia CeaseFire are ex-offenders. They act as advocates for their clients, contacting them on a regular basis and trying to redirect them toward employment, job training and education.

In one instance, Starks says he even helped save a client on the verge of being sent to jail for parole violation.

“I sat and talked with his parole officer, and explained that he was on a new path, involved in this new program, and that






CeaseFire outreach workers focus on high-risk youth in the 22nd Police District in North Philadelphia.

**AT A RECENT MARCH, A GROUP OF COMMUNITY MEMBERS  
FOLLOWED TEMPLE'S PHILADELPHIA CEASEFIRE TEAM,  
HOLDING SIGNS AND FLYERS WITH THE SIMPLE MESSAGE TO  
"STOP. SHOOTING. PEOPLE."**





CeaseFire outreach worker Terry Starks is a fixture in his North Philadelphia community.



## *“We’re here because we think change can happen here.”*

—BRANDON JONES, FORMER OUTREACH WORKER, PHILADELPHIA CEASEFIRE

I would take full responsibility for him,” he says. The young man avoided jail time and is now enrolled at Philadelphia Community College.

Starks says that life experience is a powerful tool in breaking through to the young men he mentors.

“A lot of these guys know me from before I was shot, when I was doing the wrong things,” he says. “They see that I can relate to them because I know the lifestyle, but I also am coming to them as a gunshot victim.”

The fact that Starks is so well known in this community—both as a mentor and as someone who used to “live the life,” as he says—helps him make the initial contact.

“I’ll see them standing on the street corner, and some of them will speak to me before I approach them,” he says. “They’ll say, ‘What’s up, O.G. [original gangster]?’ It gives me the opportunity to address the entire group, to tell them where I used to be and where I am now.”

Starks explains that he is there to help them turn their lives around; that he knows what it’s like—that he was there too; and that he doesn’t want to see them in the emergency room, as he was.

“I give them an ultimatum,” Starks says. “We can talk now, or we can talk when you’re laid out with a gunshot wound. It’s up to you.”

Starks then offers his business card and says he can help. For him, it has been an effective strategy. Most CeaseFire outreach workers aim for a full caseload of 15 clients. Though the program began in July 2011, Starks has all 15 clients already.

While this method of employing ex-offenders to prevent gun violence might seem unorthodox, the data show that it works. The original CeaseFire program, launched in Chicago in 2000, blends statistical information and the knowledge and experience of community members to focus

efforts on individuals most at risk for gun violence: those who come from a low socioeconomic background, live in an area with a high rate of violent crime and have a history of violence.

In 2008, the Department of Justice issued a report on CeaseFire’s effectiveness and found a reduction of up to 73 percent in the number of shootings and killings in areas of Chicago where the program was implemented.

Marla Davis-Bellamy, director of Philadelphia CeaseFire, calls the rise in gun violence across large U.S. cities “a public-health epidemic.” One of the keys to CeaseFire’s success is that it treats gun violence as such, focusing on engaging communities and changing behavior.

“We work collectively with community and faith-based leaders who have the ability to influence the thinking and behavior of young people who are losing their lives to gun violence,” she says.

### **PUBLIC UNITY**

In addition to its man-on-the-street technique to prevent violence, members of the outreach team respond directly to shootings, typically by holding a march or a vigil conducted at the site of a shooting within days of a homicide. They also saturate the targeted neighborhoods with posters, leaflets, flyers and other materials that disparage violence and carry pointed messages about the consequences of shootings and killings. Additionally, Temple University Health System refers gunshot victims to the CeaseFire program.

At a recent march, a group of community members followed the Philadelphia CeaseFire team, clad in bright orange shirts, while holding signs and flyers with the simple message to “Stop. Shooting. People.” Former outreach worker Brandon Jones, armed with

a megaphone, urged community members to join the cause.

“We’re here because we think change can happen here,” he calls out. A chorus of voices, all repeating the mantra “Stop! Shooting! People!” rises up behind him.

Outreach Coordinator Quinzel Tomoney, a seasoned outreach worker with a background in afterschool programs and summer-league basketball, directly supervises the outreach workers. He has worked with at-risk youth for years, and is driven to get them off the street and change the direction of their lives.

Tomoney is an asset to Philadelphia CeaseFire because he also can relate to those who need his help. “I’ve done it, and I see it happening over and over again,” he says. “The trouble is, there is no structure at home. There’s no stability there.” Tomoney aims to guide at-risk youth toward responsible decision-making that will have a positive effect on their futures.

The organization, funded by the Pennsylvania Commission on Crime and Delinquency, is collecting data to determine its effectiveness in the 22nd district. If it is successful there, the goal is to extend the program to other areas of the city.

Davis-Bellamy is confident that the success of Chicago’s program can be replicated in Philadelphia.

“You have to work one-on-one with at-risk youth to help reverse this poisonous behavior in favor of positive pursuits, such as mentoring others, and it’s what we’ve found to be very effective,” she says. “We are taking an interest in these young people, which is a new experience for some of them. It’s the first time anyone has shown them that they care.”

Starks’ entrepreneurship and community involvement are powerful evidence of where those positive pursuits can lead. For his mentoring and work in the community, he was recently honored with a humanitarian award from Pennsylvania Sen. Shirley Kitchen, SSW ’75—a far cry from 10 years ago, when he was fighting for his life.

“The biggest thing we can do is to help set goals and make plans for these kids to have a positive future,” Stark says. “If we don’t, they’ll just fall right back into their old habits.” ■







# The young and the wireless

STORY BY CHRISTOPHER WINK, *CLA '08*

*Today's hyper-connected students experience a very different university than their alumni parents remember.*



*Of course, the internet has been transforming every corner of our lives for nearly 20 years, and campuses have kept up with the revolution. The bigger story is how much the social web continues to shape college life.*

A ny college student who attended school before Steve Jobs was a household name is well-versed in freshman-year war stories: discovering that an overturned coffee cup drowned a final paper or a typewriter ribbon dried out overnight; camping out on the cold marble floor of an administrative building to ensure enrollment in courses required for graduation.

The stories most often swapped usually include a reviled roommate, such as the time he left for a three-hour seminar, never turned off the hot pot and got the entire dorm evacuated when the fire alarm inevitably sounded. Some survivors bemoan a roommate's penchant for black velvet posters and lava lamps, or her refusal to do a load of laundry anytime sooner than when entering the room was akin to stepping directly into a hamper.

Of course, those kinds of tales were once considered rites of passage for students living on campus. But with today's constant access to technology, current college students have fewer—or, perhaps, differently themed—stories to tell.

#### ODD COUPLE NO MORE

The 1970s sitcom *The Odd Couple* is all but obsolete—and the concept of two roommates as poorly matched as Oscar and Felix is fading fast, too.

Before moving into the 1940 Residence Hall in 2010, Linsey Tomasi, a biology and pre-pharmacy student in the Class of 2014, turned to an app called RoomBug. Through Facebook, RoomBug connects like-minded students with housing options. That is how Tomasi met her suitemate Heba Nasr, a fellow student in the College of Science and Technology.

Before the semester began, Tomasi signed in to her Facebook account and answered a series of questions, identifying her sleeping, studying and social preferences. She and Nasr had a lot of similarities and decided to share a suite with two others who also had used RoomBug.

The pair lived separately this past year as sophomores—Tomasi in University Village and Nasr in an off-campus house—but have remained friends.

"All my roommates have been good, but finding Heba online was a great way to start college," Tomasi says. "My father, who went to college in the 1970s, was even more impressed by it than I was."

Of course, the internet has been transforming every corner of our lives for nearly 20 years, and hyper-connected college

campuses have kept up with the revolution. Temple alumni see their children experiencing a very different university than they remember.

Before a Temple student ever sets foot in a residence hall, she can take a 360-degree online tour of what her room will look like, and then get a sample of campus life by visiting student media online, such as *The Temple News* and *Templar* yearbooks.

And when Owls come to campus to roost, their residence halls are fully equipped with wireless internet. They also might find themselves on the cutting edge of consumer electronics changing the classroom. For example, in fall 2011, 24 iPad 2s were handed out to *Honors Information Systems in Organizations* students in a pilot project to teach course material in a new way. (See sidebar on page 31.)

#### HOW LONG IS THE WAIT?

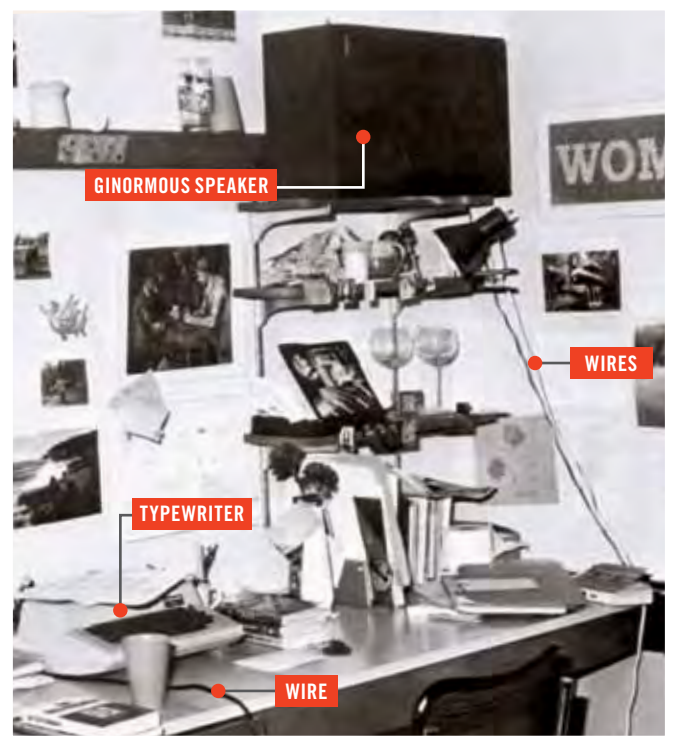
For alumni of institutions nationwide, one of the most prevalent memories of 20th-century campus life is the waiting: waiting in line for class registration, anticipating that long-awaited check from home and standing in line at the bank to cash it or blocking off a whole afternoon with the hope of snagging a washing machine.

Now, rather than racing to the laundry room after catching a glance of someone balancing a precarious tower of clean



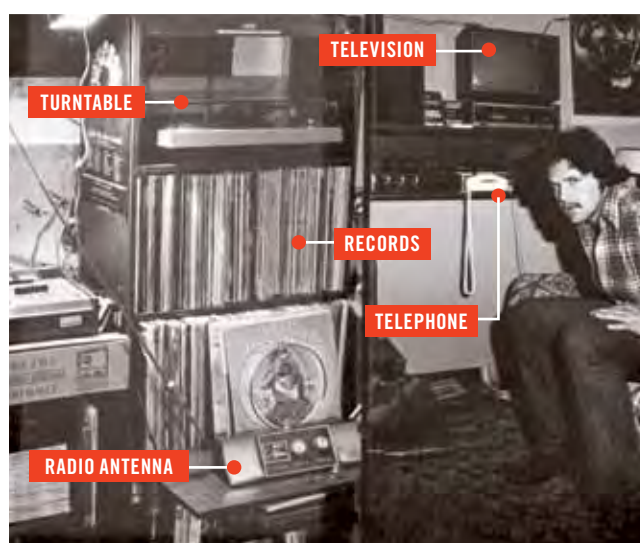
## FROM HI-FI TO WI-FI

Move-in day must have been hellish for the student below. His records alone weighed about 150 lbs.—not to mention needing to unload that stereo, its inevitable accompanying speakers and a cathode-ray television. Though the telephone and radio might not seem unwieldy, current students could fit all the electronics in these 30-year-old dorms on their laps—or in their palms.



## IT AIN'T HEAVY, IT'S MY SPEAKER

Laptops might look clunky when compared to smartphones, but technology circa 1984 puts current notions of heft in perspective. Above right, a huge speaker balances precariously (and inexplicably) above two fragile glasses. And, the weight of an electric typewriter was about three times that of the MacBook above.



clothes, students simply sign up for text alerts that announce when a washing machine becomes available. And if someone wants to know if the university gym facilities are crowded, he can view one of the webcams installed by the Recreation Department.

A generation ago, Owls hand-picked courses from cards in boxes and waited in line to sign up, says William Bech, *EDU '79, '81*. By the time his daughter, Rachel Bech, *SCT '08*, arrived at Temple, it was a comparative breeze to register online. Though in-person course advising is still an important aspect of academic life, Temple students now select and edit their courseloads on the web.

Even the use of Blackboard software, a longtime online staple of faculty-student interaction at college campuses across the country, has continued to evolve. Through Blackboard, classmates who are not yet friends can contact each other for assignment help or study advice, or easily reference reading recommendations and course assignments from professors.

Paley Library might have gone through the most pronounced technological evolution of any campus building.

"When I was in school, simple library research consisted of looking up books and references via the card catalog," says George Miller, *CLA '73, SBM '83*. "By the time I found the item in the card catalog and walked to the back of the second floor, the book wouldn't be there. Better yet, nearly every article I ever researched was cut out of the journal by some other student before I got to it. I swear, it happened all the time."

Those are not problems most current students encounter, considering how much research can be done without ever even entering the building. Students can look up books online and view whether or not a book is currently on loan. They have access to a seemingly endless stream of academic journals, digital collections and databases, and can mine many of Temple's archival collections electronically. The library's use of social media, QR codes and other forms of outreach also have expanded research capabilities. Therefore, they do not necessarily have to drive to campus, ride the Broad Street subway or even trudge from their dorm to the library to do research—they can conduct much of it in their pajamas.



Ryan S. Brandenberg

Left to right: George Miller Jr., an undergraduate student in marketing, and his sister, Britt Miller, a graduate student in business administration, meet with their father, George Miller, *CLA '73, SBM '83*, in the Kardon Building on Main Campus.

When they do visit the library, they are welcomed by a café and a sea of computers and collaborative study spaces abuzz with energy—the polar opposite of the hushed silence found among the stacks upstairs.

Or, as George's daughter Britt Miller, Class of 2012, puts it, "That library is extremely hooked up."

#### THE SOCIAL NETWORK

Though much of the foundation of those kinds of innovation has been around for years, the scale of it is still very new. It wasn't until 2005 that most Temple students could sign up for Facebook, making the Class of 2009 the first to always have a dependable resource for finding a new roommate or an old classmate online. Text messaging and smartphones, video conferencing and online research tools are now essentials of the college experience.

"I literally have no idea how I would have gotten through school in the past," says Britt, who was in London at the time this article was written, and communicated via

instant messaging, another web tool that has changed college life. "Every single thing I do as a student starts with the internet."

Britt is a consummate social butterfly, and a natural connector. She sees the impact the web has had on campus life almost exclusively through the social lens: creating Facebook groups to learn about her fellow students earning international master of business administration degrees, using Google Docs for collaborative projects and following Twitter lists to track business trends for class.

After spending the fall semester studying in Paris, Britt is continuing the IMBA program on Main Campus this spring, before her coursework bounces her between India, China and Japan during the summer. Whenever she's gone and wants to visit Main Campus, she can hop on the popular video conference service Skype and talk to her brother, also named George, who aims to finish his bachelor's degree in marketing this summer.

Where Britt sees friends and followers, her somewhat more reserved brother sees



a chance to increase the value of his classroom experience. For example, when a professor shares practice tests online, George says he can better prepare for the style and focus of the real test questions, allowing him to study more efficiently and effectively, and ultimately retain more of what he's learned.

#### A POSTAGE STAMP AND LOTS OF HOPE

Owls also have better access to faraway, firsthand research sources—just ask Vivienne Angeles, *CLA '78, '87*, associate professor in the religion department of La Salle University in Philadelphia.

Angeles came to Main Campus from the Philippines to study with the late, celebrated Professor of Religion Isma'il Raji al-Faruqi. Her doctoral thesis was on the then-nascent Muslim movement in the Philippines, and she tried for the better part of a year to locate a leader of the Moro National Liberation Front (MNLF), the movement's leading political faction. She decided to send a letter addressed to the group in Tripoli, Libya, where MNLF members were rumored to be based.

"I sent it with no street address—just the group name, the city, a postage stamp and lots of hope," Angeles says. After months of silence, a response arrived in her mailbox. It was a triumph for her thesis.

"Now, you could probably get a response the same day," she says, smiling.

And for Angeles, the extra legwork on the academic side of things was more than equaled by what it took to maintain a social life.

To see what was going on around campus during her time at Temple in the '70s and '80s, Angeles relied on two indispensable tools: the college newspaper and department bulletin boards.

"You had to check those to stay up to date, and that took some effort," says Angeles, while her daughter Jamie Nguyen, *CHPSW '08*, listens.

"I thought bulletin boards were only used for decoration," Nguyen chimes in.

Britt, who completed her undergraduate degree at Penn State in 2008, notes that in the few short years since her time in Happy Valley, Pa., to her brother's time at Temple, the impact of technology on college life is palpable.

**"Every single thing I do as a student starts with the internet."**

—BRITT MILLER, *CLASS OF 2012*



George Miller, *CLA '73, SBM '83*, brought this slide rule with him to the photo shoot, to show his children what a pre-calculator math class entailed.



Smartphones enable students to take their friends, courses, reading and campus maps with them wherever they go—sans overstuffed backpack.

When she started college, she says that smartphones and social media were around, but the groundswell of change had not yet happened because students were still adapting to the technology.

"If you haven't [adapted] by now, you're strange."

Her father puts that in perspective.

"It's easy to take it all for granted," George says. "It's important for Temple graduates of my era to remind our kids how far we've come. Still, I think we all try to imagine what we would have been able to accomplish if we had these tools when we were their age." ■

#### iLEARN

### NEW ICON OF MAINSTREAM TECHNOLOGY EXPANDS ACADEMIC OPPORTUNITIES AT TEMPLE

One hundred fifty-five Temple freshman engineering students tested their skills by racing iPad-controlled hovercrafts they designed, built and guided around a track. The students were divided into 36 teams, and each group used computer-aided design software to fabricate the mechanical structure of the hovercraft. When the 36 designs were completed, students mounted various fans, motors, rudders and electronics to the hovercraft bases.

PRESTON M. MORETZ, *SCT '82*

Carey O'Donnell's *Honors Information Systems in Organizations* students were dismayed when their professor told them they were required to have two course materials: a textbook and an iPad 2, to the tune of roughly \$1,000. But their unhappiness dissipated in a flash when O'Donnell handed each of them a brand-new iPad 2. The students had walked into O'Donnell's pilot study, *Digital Textbook Delivery & Content Management System Synchronized with iPad Devices: The New Classroom Learning Experience*. O'Donnell, an assistant professor of management information systems, developed the program after repeated frustration due to students' having different editions of required textbooks.

"To create a collaborative environment, to give them powerful tools for presenting information—that's where the iPad came in," O'Donnell says. At the end of the semester, the iPads were returned to the department and distributed to a new group of students in the spring.

MICHELE AWECKY, *CLASS OF 2012*

Christopher Wink, *CLA '08*, is co-founder of the consulting firm *Technically Media* and its technology news site, *Technically Philly*.



# INTREPID NATURE

*In a new book, an Owl in the U.S. Department of State highlights how a small group of scientists confronted the Vietnam-era U.S. government.*

STORY BY LARRY ATKINS, LAW '86

Campus demonstrations and rock music might be the most iconic markers of resistance to the Vietnam War, but they certainly are not the only ones. In fact, U.S. Department of State historian David Zierler, CLA '08, presents a fresh perspective on Vietnam-era protest in his 2011 book, *The Invention of Ecocide: Agent Orange, Vietnam, and the Scientists Who Changed the Way We Think About the Environment*.

Zierler's account—which began as a doctoral dissertation at Temple and culminated in a 2011 book by University of Georgia Press—rises from the ranks of professional academia, rather than from the era's counterculture. *The Invention of Ecocide* documents the unusual and little-known efforts of a group of intrepid scientists who spoke out against herbicidal warfare used in South Vietnam.<sup>1</sup>

From 1961 to 1971, 11 million gallons of the controversial weed-killer Agent Orange were used in South Vietnam to clear approximately five million acres of dense vegetation. Until now, most of the debate about the chemical has focused on its potential toxicity to humans.



David Zierler, PhD, CLA '08, author of *The Invention of Ecocide*, discusses his book at the Woodrow Wilson International Center for Scholars in Washington, D.C., in 2011.

Since the use of Agent Orange during the Vietnam War, the chemical's effects have been examined repeatedly in both the U.S. and Vietnam. A biennial study, *Veterans and Agent Orange* by the Committee to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides, has found strong connections between exposure to Agent Orange and numerous cancers, including

sarcoma, non-Hodgkin lymphoma and chronic lymphocytic leukemia.<sup>2</sup> According to the Vietnamese Red Cross, exposed populations in Vietnam have experienced higher rates of numerous conditions, including spina bifida and other birth defects.<sup>3</sup>

But Zierler writes of a lesser-known destructive effect of Agent Orange—"ecocide," or, the destruction of an entire ecosystem and its all-encompassing effects on human life.

"Agent Orange not only defoliates trees; it actually kills the trees," Zierler says. "This results in widespread forest death and provides ideal circumstances for a number of invasive species to take over a given ecosystem, essentially rendering the area an ecological disaster."

Ecocide can even devastate an area's sociopolitical climate. Richard H. Immerman, Zierler's dissertation advisor, Edward J. Butkus Family Distinguished Faculty Fellow in History and Marvin Wachman Director of the Center for the Study of Force and Diplomacy at Temple, adds that the destruction of the environment—which, in Vietnam included farmlands, crops and wildlife—can generate "famine, dislocation and other phenomena" that can dramatically destabilize a nation and its neighbors.





**COMMITTING "ECOCIDE"**

A U.S. Army helicopter sprays vegetation with Agent Orange during the Vietnam War. (Courtesy of National Archives and Records Administration)



## *“Zierler is the first to demonstrate how war, diplomacy and environmental concerns converged in Vietnam over the use of Agent Orange.”*

—RICHARD H. IMMERMAN, EDWARD J. BUTHUSIEM FAMILY DISTINGUISHED  
FACULTY FELLOW IN HISTORY AND MARVIN WACHMAN DIRECTOR  
OF THE CENTER FOR THE STUDY OF FORCE AND DIPLOMACY AT TEMPLE

### SILENT NO MORE

John Constable, Robert Cook, Arthur Galston, William Haseltine, Matthew Meselson, Bert Pfeiffer, Arthur Westing and scientists in the fields of botany, molecular chemistry, biochemistry, biology and other areas, were dismayed by the ecological destruction Agent Orange had wrought in Vietnam. Led by the efforts of Galston, a plant biologist and chair of the Department of Botany at Yale University, the scholars demanded change to the U.S. government’s policy on herbicidal warfare.

They first raised such concerns in 1964, the same year the Gulf of Tonkin Resolution passed, which gave U.S. President Lyndon Johnson the power to take “all necessary measures” to defeat North Vietnam.

To describe such all-encompassing devastation, Galston coined the term “ecocide” in 1970. He and his colleagues saw more destruction looming on the horizon: They were wary of the devastating ecological and human tragedies that could result from future wars fought with more sophisticated chemical weapons, such as nuclear or biological ones—especially in the wake of the atomic destruction of Hiroshima and Nagasaki in 1945.

“Damaged bodies coming home from Vietnam showed what humans could do worldwide,” Zierler says. “Environmental issues can’t be confined within national boundaries; they transcend them. That’s the normative view today, but those scientists started that viewpoint.”

In January 1966, 29 Boston-area scientists from myriad fields sent a petition to the White House that denounced herbicidal warfare and

called for its termination. In September of the same year, 12 plant physiologists sent a letter to the White House urging President Johnson to reconsider the herbicide program.

“The group had limited political activity, but they benefited from middle America losing interest in the Vietnam War as protests against it intensified,” Zierler says. “Scientists latched on to concerns about the environment and the antiwar movement. Both factors buoyed their attempts.”

### DOGGED STRATEGY

Even with the war losing popularity among the American public, the resisters hit multiple roadblocks. Despite arguments against it, President Johnson considered the danger herbicides presented insignificant; in his

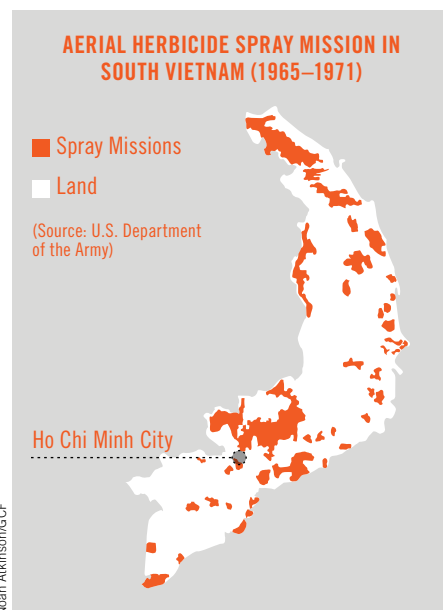
eyes, the bigger issues were victory in Vietnam and avoiding nuclear warfare.

Prior to the group’s activism, the Johnson and Nixon administrations did not view the ecological impact of herbicide as a danger to human life. U.S. President Richard Nixon followed the lead of the Kennedy administration—the catalyst of the herbicide program—and argued that by using chemicals that killed plants and not people, the U.S. was exempt from the guidelines of the Geneva Protocol.

The protesting scientists also were a minority in their own profession: An American Association for the Advancement of Science (AAAS) poll indicated that 81 percent of those surveyed supported the defoliation program.

Nonetheless, the group persisted with its campaign, and as support for the war continued to dwindle, they wrested the support of AAAS and of some members of Congress. In 1970, a group assembled by AAAS went to Vietnam and reported that the U.S. military had failed to isolate its spray missions from civilian areas, which meant that the farms dotting the Vietnamese landscape—on which civilians relied for food and money—also were threatened.

As a result of their tireless efforts—and because they were able to demonstrate the devastating short- and long-term effects of Agent Orange—ecocide eventually became prohibited under international law. In 1975, Congress and U.S. President Gerald Ford finally agreed that under the 1925 Geneva Protocol, the nation could not use Agent Orange in the future. Since then, herbicides have not played a major role in any war around the world.





And as predicted, Agent Orange still lingers in Vietnam. According to Hatfield Consultants, an environmental consulting and services group that studied the long-term impact of Agent Orange from 1994 to 2009, toxins are still found in the soil and water near the Da Nang and Biên Hòa airbases where Agent Orange was stored. It is located in water runoff and soil, and has been ingested by the region's wildlife.

### A NEW CONVERGENCE

Zierler's perspective contributes significantly to the study of U.S. history. "Combining his expertise in both the history of U.S. foreign relations and environmental history, he is the first to demonstrate how war, diplomacy and environmental concerns converged in Vietnam, particularly, but not exclusively, over the use of Agent Orange," Immerman explains. "The result was not only to affect the course of the war, including U.S. strategy and operations, but also to link the environment with security."

Zierler's unity of environmental and diplomatic history flourished while he was a student. "I came to Temple to work with Richard Immerman, one of the top diplomatic historians in the country," Zierler says. "He and [Professor of History] Andrew Isenberg were very supportive of my dual interest in the environment and diplomatic history. Temple was a terrific place to launch my scholarly work and eventual State Department career."

Kate Scott, *CLA '09*, an assistant historian in the U.S. Senate, affirms the political significance of the ecocide resistance. "Concerns shared by a group of political

novices took a complex issue like herbicidal warfare and made it an issue of national public policy," she says. "Their lobbying efforts convinced members of the Senate Committee on Foreign Relations that Agent Orange was a form of chemical and biological warfare—over the objections of the Nixon administration." ■

*Larry Atkins, LAW '86, is an adjunct instructor of journalism at Temple.*

1. Unless otherwise noted, information for this article is cited from Zierler, David. *The Invention of Ecocide: Agent Orange, Vietnam, and the Scientists Who Changed the Way We Think About the Environment*. Athens: University of Georgia Press. 2011.
2. Committee to Review the Health Effects in Vietnam Veterans of Exposure to Herbicides (Eighth Biennial Update); Institute of Medicine. *Veterans and Agent Orange: Update 2010*. Washington, D.C.: National Academies Press. 2011. [nap.edu/catalog.php?record\\_id=13166](http://nap.edu/catalog.php?record_id=13166)
3. Martin, Michael F. *Vietnamese Victims of Agent Orange and U.S.-Vietnam Relations*. Washington, D.C.: Congressional Research Report for Congress RL34761. 2008.

VA002084, Douglas Pike Photograph Collection, The Vietnam Center and Archive, Texas Tech University



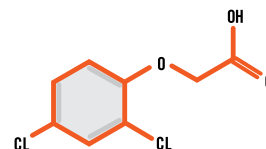
The top of a defoliated three-year-old rubber tree is cut in attempt to stop trans-location of herbicide in Vietnam.

## AGENT ORANGE: MAKINGS AND MAKEUP

Agent Orange, an herbicide named for the orange drums in which it was kept, is a mixture of equal parts 2,4-dichlorophenoxyacetic acid (2,4-D) and 2,4,5-trichlorophenoxyacetic acid (2,4,5-T). In 1943, scientist Arthur Galston studied a similar compound in search of a growth hormone for plants. During his research, he discovered that the compound acted as an herbicide when used in large quantities.

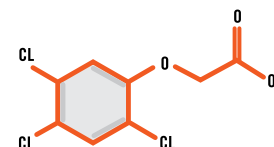
Though Galston was one of the leading critics of the use of Agent Orange in Vietnam, his discovery was used by other scientists in the development of Agent Orange (also in the 1940s).

### 2,4-DICHLOROPHENOXYACETIC ACID



is the most widely used herbicide in the world, mainly because of its ability to kill weeds while leaving other plants (such as food crops like corn and rice) unharmed. It also is commonly used to treat weeds on lawns and other turf, and to control brush growth along highways and railroads.

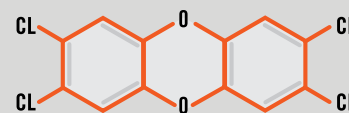
### 2,4,5-TRICHLOROPHENOXYACETIC ACID



is an herbicide used to kill broad-leaved plants. Developed in the 1940s, it was widely used until the U.S. Department of Agriculture began phasing it out in the late 1970s because of health concerns.

## The Health Culprit\*

### 2,3,7,8-TETRACHLORODIBENZODIOXIN



During the manufacture of 2,4,5-T, a dioxin called 2,3,7,8-tetrachlorodibenzodioxin (TCDD) was produced unintentionally and contaminated the mixture. While 2,4,5-T and 2,4-D are not considered highly toxic individually, TCDD is highly toxic and several medical organizations list it as a human carcinogen. It also is thought to be the cause of many of the previously unexplained, adverse health effects that were correlated with Agent Orange exposure.

\*American Cancer Society. Agent Orange and Cancer. 2010. [cancer.org/Cancer/CancerCauses/OtherCarcinogens/IntheWorkplace/agent-orange-and-cancer](http://cancer.org/Cancer/CancerCauses/OtherCarcinogens/IntheWorkplace/agent-orange-and-cancer).

# bringing the world into focus

As a Temple student, photojournalism major Hillary Petrozziello isn't content spending her undergraduate days in a darkroom. Instead, she's discovering the rich history and vibrant culture that permeates North Philadelphia. Through the North Broad Corridor Project, Hillary and a team of Temple students are capturing the true essence of the neighborhood and its residents, bridging the past with the future and giving voice to the local community.

*Hillary is just one of countless Temple students making significant contributions to their fields right now, and whose lives and achievements are shaping the future.*



MICHAEL ALBANY PHOTOGRAPHY

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# CLASS NOTES

*Temple has long been a part of the cultural zeitgeist. In this issue, a Hollywood photographer, a New York sculptor and a TV sitcom actor share their journeys from college students to cultural contributors.*

## 1930s

HENRY SELTZER, *PHR* '34

celebrated his 100th birthday May 25, 2011. He lives in West Hartford, Conn., with his wife, Shirley, *CHPSW* '42. After retiring in 2007, Seltzer spent more than 10 years speaking to senior groups about the use and misuse of prescription drugs.

## 1940s

THEODORE LARGMAN, *CST* '48

exhibited his shadow-box artwork in the Morris County Library in Whippany, N.J. An artist whose work comments on current events, he also was profiled in *The Star-Ledger* an online New Jersey news source.

## 1950s

ARLIN MARVIN ADAMS, *CLA* '51

retired from the law firm of Schnader, Harrison, Segal & Lewis LLP in Philadelphia. He spent a 65-year career serving as a court judge and lawyer. Adams also managed U.S. President Richard Nixon's 1967 campaign in Pennsylvania.

JOAN LEFF MILLER, *TYL* '52

exhibits her paintings at art fairs, most recently, in Chicago and Toronto. She lives in New York City.

HARVEY B. RUBENSTEIN, *CLA* '52, *LAW* '55

was elected to a third term as Delaware's state delegate to the American Bar Association House of Delegates.

RONALD F. VELLNER, *CHPSW* '52, '60

serves as adjutant in the Philadelphia-area chapter of the Military Order of the Purple Heart, an organization for veterans decorated with the Purple Heart.

FREDERICK B. BERNSTEIN, *POD* '55

was honored by the Rotary Club of Berkley, Mich., for 56 years of perfect attendance.

WILLIAM A. ZULKER, *CLA* '56

published *John Wanamaker: King of Merchants* with Eaglecrest Press. He also celebrated his 85th birthday at the controls of a helicopter, having begun flying lessons when he was 79 years old.

RONALD B. GROSS, *DEN* '58, '63

received the James E. Brophy Distinguished Service Award by the American Association of Orthodontists in 2011.

WILLIAM T. HARPER, *SCT* '58

published *Second Thoughts: Presidential Regrets with their Supreme Court Nominations* with CreateSpace.

## 1960s

MARK C. JACOBS, *LAW* '60

is a member of the board of directors of the Folsom Symphony in California. He also serves as commissioner for the city's Art and Cultural Commission, and practices intellectual property law.

SIDNEY M. CLEARFIELD, *EDU* '61

was inducted into the South Philadelphia High School Cultural Hall of Fame. During his career, Clearfield served as international director of B'nai Brith Youth Organization and executive vice president of B'nai Brith International, the largest Jewish organization in the world. In addition, he worked to bring restitution to Holocaust survivors.

CARL D'ERRICO, *MUS* '62

wrote the hit song "It's My Life" by the Animals and many other songs.

LEWIS F. GOULD JR., *PHR* '62

was re-elected to serve a fifth term as commissioner of Lower Merion Township in Pennsylvania. Gould, a Temple trustee, has served as a member of the Lower Merion Township Board of Commissioners since 1996.

GEORGE R. GUNN, *SBM* '62, '71

was elected to the board of directors of ACTS Retirement-Life Communities, a nonprofit organization that provides residential housing and long-term care residences to nearly 8,500 seniors.

RICHARD P. MILLER, *CHPSW* '62

is retired. He volunteers as a Microsoft moderator for an online technical support forum.

RAYMOND F. SMITH, *CLA* '65

published *The Craft of Political Analysis for Diplomats* with Potomac Books Inc. He worked for the State Department for several decades.



EUGENE G. STACKHOUSE, *CST '65*

published *Germantown in the Civil War* with History Press.

JOSEPH H. BADAL, *SBM '66*

published his fourth novel, *Evil Deeds*, with Suspense Publishing. His fifth novel, *Inside Job*, is due out this spring.

JOAQUIN G. BOWMAN, *SCT '66*

published *Tadville*, a memoir about growing up with undiagnosed Asperger's, with Xlibris. It is available online.

BRUCE KAMIS, *SBM '66*

owns Kamis Imprinted Products, which recently supplied GSG WorldMedia with apparel for the 2011 BlogWorld International New Media Expo in Los Angeles.

JACQUELINE Z. SHULMAN, *EDU '66, '69*

presented at the Greater Pottstown Area HR Association, an affiliate of the Society for Human Resource Management. She is a partner in the law firm of Obermayer Rebmann Maxwell & Hippel LLP in Philadelphia.

RONALD P. SPARK, *MED '67*

was appointed to the U.S. Tobacco Revenue Use, Spending and Tracking Commission by Andy Tobin, speaker of the Arizona House of Representatives.

GORDON A. BASICHIS, *SCT '69*

published a novel titled *The Blood Orange* with Minstrel's Alley.

## 1970s

ROSE M. HAGAN, *CLA '70*

is head of school at Friends Select in Philadelphia. She recently launched InterSession, an international-studies immersion program, during which upper-school students and faculty investigate the history, geography and politics of the Middle East.

PAMELA TROTMAN REID, *CLA '70*

was elected to the board of directors of the National Association of Independent Colleges and Universities. She is president of St. Joseph College in West Hartford, Conn.

ARTHUR I. WOLK, *CST '70*

published *Bulb Forcing for Beginners and the Seriously Smitten*, with AAB Publishing LLC. The book was "highly recommended" by *Library Journal*.

STEPHEN A. ALBERTINI, *SCT '72*

was hired by the Star Group—a marketing communications firm in the Philadelphia region—as managing partner of strategic initiatives.

GLORIA GARVIN RUBIN, *EDU '72*

is a counselor at JEB Stuart High School in Falls Church, Va. She also serves as first vice president of the Fairfax County Federation of Teachers.

JAMES W. JOHNSON, *CLA '73*

was chosen to participate in the first cycle of Airborne Astronomer Ambassadors, a new program for educators that enables them to research with professional astronomers aboard a NASA observatory. He teaches science at the

Children's Center for Treatment & Education in Custer City, Pa.

SCOTT POOLE, *CLA '73*

was named one of "America's 25 Most-Admired Educators" by *DesignIntelligence*. He is dean and professor of architecture at the University of Tennessee in Knoxville.

CHARLES W. PROCTOR III, *CLA '73*

presented at the annual conventions of the Pennsylvania Recorder of Deeds Association and the National Association of Land Title Examiners & Abstractors. He is a managing partner in the law firm of Proctor Lindsay & Dixon in Chadds Ford, Pa.

MARC P. WEINGARTEN, *CLA '73*

a partner in Locks Law Firm in Philadelphia, spoke at the Association of Personal Injury Lawyers Asbestos Conference 2011 in Manchester, England.

GAVIN WHITE, *EDU '73, CHPSW '86*

was named to the board of the Dad Vail Regatta Organizing Committee, a nonprofit organization that runs the annual Aberdeen Dad Vail Regatta in Philadelphia. He also is head coach of the men's crew team at Temple.

NADINE BONNER, *SCT '74*

joined the Urban League of Philadelphia as director of marketing and communications.

ABRAHAM C. REICH, *LAW '74*

received the 2012 Judge Learned Hand Award from the American Jewish Committee. He is co-chair of the law firm of Fox Rothschild LLP in Philadelphia.

PAT ROCCHI, *SCT '74, EDU '77, SBM '00*

released *The Six P's of Change: A Handbook for Managing Transitions at Work, at Home and in Ourselves* as an e-book. It is available for purchase online.

D. BRUCE HANES, *LAW '75*

was re-elected to serve as Montgomery County, Pa., register of wills for a second four-year term. As the register of wills, he also is clerk of the Montgomery County Orphans' Court.

MARY ANNE HAWRYLAK, *CHPSW '75*

was appointed to the Devereux Pennsylvania Advisory Board. Devereux is a nonprofit provider of behavioral health services.

ANNE MARIE LEVIN, *LAW '75*

was appointed senior vice president and national Delaware trust specialist at the newly launched Key National Trust Company of Delaware.

BEATRICE A. O'DONNELL, *CLA '75, LAW '78*

is a partner in the Philadelphia office of Duane Morris LLP. She was included in the 2011 "Irish Legal 100," a list of prominent legal professionals compiled by *Irish Voice* and *Irish America* magazines.

STEVAN L. DAVIES, *CLA '76, '78*

published *The New Testament: An Analytical Approach*, an introductory text about the New Testament, with Polebridge Press. He is a professor of religious studies at Misericordia University in Dallas, Pa.

## CLASS OF 1985

Tracy Schott



## ANDREW ORTH

**DEGREE:** BA, radio/TV/film, School of Communications and Theater, 1985

**OCCUPATION:** Commercial photographer

**LOCATION:** Los Angeles

Photographer Andrew Orth, SCT '85, has an all-access pass to Hollywood. He has spent afternoons with the likes of Cheech Marin, the Rolling Stones, and *The Wrestler* and *Black Swan* director Darren Aronofsky.

But similar to many of his celebrity subjects, Orth's "big break" was elusive. His career was rife with hard work and calculated leaps, the first of which he faced when he chose Temple.

"I wanted to be in a city, and Temple had a huge communications and theater program," Orth recalls.

He enrolled in Temple's film theory program, but quickly found himself doing more than going to class.

"I worked at bars and restaurants by night, and interned with production companies by day," he says. "Back then, you had to go to their doors and beg them, 'Please, help me out.'"

After graduation, Orth packed a U-Haul and headed to New York City. He soon accepted a position as a video editor at Chiat Day, the ad agency responsible for Apple's groundbreaking "1984" commercial.

But Orth quickly discovered that the work did not suit him. He spent the majority of his time in a small editing room, and did not have many opportunities to tend to his true passion, photography.

So when a friend contacted him with an opportunity to shoot the fashion scene in Milan, Orth could not turn it down. In only a few years, he became known as one of the scene's top photographers. But something was still missing.

"Fashion is an industry in which the shot is only dependent on the model or the clothes, not the subject's personality," Orth says.

That dissatisfaction propelled him to try to make it in Hollywood, where he could attempt to capture the personalities of his subjects.

"I found myself talking to subjects prior to shooting. I can see how someone talks with their hands, or drops their chin, or crosses their legs a certain way," Orth explains. "All these little nuances, that's what it's all about—communicating to a viewer who the subjects are."

His first big break was a shoot with Mike Newell, director of *Harry Potter and the Goblet of Fire* and *Donnie Brasco*, for *Venice* magazine. Orth was soon in demand, and opportunities began snowballing until he had photographed dozens of L.A.'s top directors and actors.

Now, Orth can share the personalities he captures with a larger audience. He has published two books, *Directing Hollywood*—in which Orth turns the camera on some of Hollywood's top directors—and *Engaging Hollywood*, which focuses on actors.

—Kyle Bagenstose, SCT '11

*"All these little nuances, that's what it's all about—communicating to a viewer who the subjects are."*

### DAVID J. PHILLION, SBM '76

was named assistant vice president of planning and analysis for Harleysville Insurance in Pennsylvania. In this role, he will be responsible for information technology (IT) finance and budgets, IT governance and process improvement and more.

### DEBORAH S. SCHAFER, TYL '76

toured the Middle East and Germany as a caricaturist with the USO, and joined Patch Adams—a doctor renowned for his humanitarianism delivered with humor—on his annual outreach trip to Russia.

### DARIO BERNARDINI, SCT '77

joined East Carolina University in Greenville, N.C., as an instructor of public relations and journalism. Additionally, he serves as faculty advisor for the university chapter of Public Relations Student Society of America.

### JOHN E. COLLINS, LAW '77

was promoted from associate to counsel at the law firm of Parker McCay in Lawrenceville, N.J.



# CHRIS KLAPPER

**DEGREE:** BFA, photography, Tyler School of Art, 1992

**OCCUPATION:** Sculptor

**LOCATION:** Brooklyn, N.Y.

The discarded items sculptor Chris Klapper, TYL '92, finds outside her Brooklyn-based studio are the bases of sleek and beautiful works of art. Ultimately, she reassembles broken objects to represent shapes found in the natural world, such as tree branches or molecules. The motion with which she often infuses them encourages viewers to be an active part of her work.

One sculpture, called "Prana," comprises a vast array of spherical shapes that illuminates whenever someone approaches the work, creating the sensation of synchrony and breathing. And for an installation called "The Gift" (pictured), Klapper hand-casted doll limbs and painted them white to make crisp branchlike patterns that emerge from the walls and ceiling.

Now, she is working on interactive displays, such as "Symphony in D Minor," a collaboration with her husband, Patrick Gallagher, that is set to open in September 2012 in the Philadelphia neighborhood of Fishtown.

"It's a large-scale sculptural installation," she says. "Activated by touch, the viewer sets the sculptures in motion, triggering an immersive sound and video experience." In an effort to keep her work under wraps until it is ready, she declines giving any more details about the project.

Interaction helps people to overcome timidity about art, she points out. "People are afraid of art," Klapper says. "They think they don't understand it, but interaction breaks that barrier instantly." Unlike the careful distance between art and audience in a museum, her interactive installations allow viewers to be downright playful. "They feel a sense of wonder and forget about their problems and the world for a while," she adds.



*"People are afraid of art. They think they don't understand it, but interaction breaks that barrier instantly."*

Klapper has been making art since childhood, when she began constructing sculptures and dolls from objects, such as nuts and bolts and beads, found in the streets outside her home. She remembers enjoying being left alone to explore her creativity.

That sense of being a bit of an outsider persisted until she arrived at Temple. At the Tyler School of Art, she finally felt as though she had found like-minded people who shared her love of art.

"For the first time in my life, people felt exactly as I did," she recalls. "I became more confident and learned to take more risks. Temple allowed me to find myself as an artist."

—Carolyn Hagan

## WILLIAM J. DALY, SCT '77

was recognized as one of the "Irish America 100." That award is given to the top 100 Irish-American executives by *Irish America* magazine. He is a senior vice president at Warner Bros. Pictures.

## ROBERT E. DAVIS, SBM '77

became an adjunct instructor in the IT Auditing and Cyber-Security master's program at Temple.

## LAUREN B. BECKER DOWNEY, TYL '77

is director of the Bravo School of Art in San Diego. She founded the school to provide community members with a supportive environment in which to learn how to make art.

## KAREN REED HADALSKI, CLA '77

published *Karma: How to View It, Use It and Lose It* with Millennial Mind Publishing.

## GILLIAN PESCHE MILOVANOVIC, SCT '77

was appointed chair of the Kimberley Process Certification Scheme, a process put in place by the United Nations to prevent "blood diamonds" from entering the mainstream diamond market. She is the first woman and

first U.S. representative to hold the position.

## ROBERT M. SMITH, CHPSW '77

was named president emeritus of Slippery Rock University in Pennsylvania. Among the commonwealth's 14 state universities, he is only the sixth president to be given that title.

RICHARD J. BRIGGS, *TYL '78*

was a recipient of a 2011 John Simon Guggenheim Memorial Foundation Fellowship in the “Creative Arts” category.

PATRICIA P. MADEIRA, *EDU '78, '90*

joined the Department of Education at Immaculata University in Pennsylvania as an assistant professor of education.

EDWARD A. WADE, *SCT '78*

was hired by the Philadelphia Phillies as a special consultant. He will scout at the major- and minor-league levels and assist in salary arbitration.

KATHRYN J. ZERBE, *MED '78*

received the Don & Melissa Nielsen Lifetime Achievement Award from the National Eating Disorders Association for her contributions to the field.

KARL KRAMER, *MUS '79*

was named dean of the Sydney Conservatorium of Music at the University of Sydney in Australia.

DAVID J. NUDDLE, *SBM '79*

is a member of the Edward H. Rosen Hillel Center for Jewish Life at Temple Board of Overseers. He also was named to the Finance Management Committee of the Hillel of Greater Philadelphia Board of Directors.

SUSAN KATZ RICHMAN, *LAW '79*

was appointed president of the Nassau County Bar Association in New York. She is the sixth woman in the association's 112-year history to serve in that capacity. Richman also was the

first woman to serve as a village justice in the Long Island towns of Sea Cliff and Plandome Manor, as well as the first woman to serve on the bench in Glen Cove and Long Beach.

JORDON N. ROSEN, *SBM '79*

was included in *Philadelphia* magazine as a 2011 “Five Star Wealth Manager” in the area of estate planning. He works for Bel fint, Lyons & Shuman PA, an accounting firm with offices in both Wilmington, Del., and West Chester, Pa.

ROSEANN TERMINI, *EDU '79, LAW '85*

published new editions of *Food and Drug Law: Federal Regulation of Drugs, Biologics, Medical Devices, Foods, Dietary Supplements, Cosmetics, Veterinary and Tobacco Products; Food and Drug Act, Related Laws and FDA Resources CD*; and *Instructor's Manual CD*.

WO-BIK WONG, *TYL '79*

exhibited a 30-year retrospective of her photographs of Hong Kong's buildings. Called *Memory and Fiction*, the show was held at Blindspot Gallery in Hong Kong.

#### 1980s

PAUL E. LUBIENECKI, *CLA '80*

presented his paper titled “John Timon, C.M. and His Forgotten Struggle to Assimilate Catholics in Western New York” at the 92nd annual meeting of the American Catholic Historical Association, held in Chicago in January.

JOAN D. LYNCH, *EDU '80*

published *Women of the Passion*, a novel about the early church, with Acta Publications.

NINA D. WEISS, *TYL '80*

was selected to represent the state of Illinois in the Art in Hand United States Project, for which each artist designs a playing card that commemorates the state or territory he or she represents.

HARITH WICKREMA, *SBM '80*

was named one of the “Top 10 Hospitality Innovators of 2011” by *Lodging* magazine. He was recognized as owner of Eco Serendib, a sustainable villa and spa on the island of St. John in the U.S. Virgin Islands. He also is an adjunct instructor in the School of Tourism and Hospitality Management at Temple.

MARK P. WILLIAMS, *SBM '80*

joined Resolvit LLC, a business-technology firm in Raleigh, N.C., as its southern region solutions director.

DIANNE C. ASHTON, *CLA '81, '86*

became the first woman editor in the 118-year history of *American Jewish History*, an academic journal. She is a professor of religion studies at Rowan University in Glassboro, N.J.

JAMES G. CARROLL, *SBM '81*

earned a DBA from University of Phoenix. His dissertation was titled “The Effect of Pay for Performance on Intrinsic Motivation, Performance, and Employee Retention: A Phenomenological Approach.”

DEBORAH A. CARROLL, *THM '82, LAW '91*

was appointed administrator of the Department of Human Services Economic Security Administration for the District of Columbia.

JOSEPH A. CURCILLO III, *ENG '82, LAW '85*

was appointed chief solicitor in the law firm of Curcillo Law LLC in Harrisburg, Pa. He also is the firm's managing partner.

LORI ZAYON DE MILTO, *SCT '82, '94*

received the 2011 President's Award from the American Medical Writers Association for distinctive contributions to the association. She is a freelance medical writer with 29 years of experience and is based in Sicklerville, N.J.

RICHARD F. DELUCRY, *SCT '82*

was appointed of counsel for the law firm of Cooper Levenson in Atlantic City, N.J.

MARIE CAMPOLI STONE, *CHPSW '82*

was inducted into the Tappan Zee High School Athletic Hall of Fame in Piermont, N.Y. She taught health education courses at Temple Ambler from 1976 to 1984. Stone is now retired from teaching and is a freelance photographer in Barnegat Light, N.J.

JAMES M. WILSON, *PHR '82, SBM '86*

established the WilsonRx Future of Pharmacy award program at the Temple School of Pharmacy.

LEE B. ZEPLOWITZ, *SBM '82*

was included in *Philadelphia* magazine's "Five Star Wealth Managers List" in the category of estate planning. He is founder and president of the Zepowitz Group in Bala Cynwyd, Pa.

NEIL J. CASSEL, *SBM '83*

showed his Cesky Terrier at the 2011 National Dog Show in Oaks, Pa. The dog ranked fifth in "Breed Standing" and second in "American-Bred Male."

ROBERT GALLAGER, *SBM '83*

was named vice president of M&T Insurance Agency Inc., a subsidiary of M&T Bank, in Syracuse, N.Y.

RICHARD M. JUREWICZ, *LAW '83*

is a senior partner in the law firm of Galfand Berger LLP in Philadelphia. He was included in the National Trial Lawyers' "Top 100 Trial Lawyers of Pennsylvania" and the 2011 "Pennsylvania Super Lawyers Top 100" lists.

VALERIE OWENS, *CLA '83, '89*

earned a master of science degree in financial services from the Haub School of Business at Saint Joseph's University in Philadelphia.

In addition, her book, *America Huh! I'm Going Home*, appears on Oprah Winfrey's website.

DAVID ROBESON, *SBM '83*

was named director of feasibility, valuation and capital planning for HFS Consultants, a healthcare consulting company in Oakland, Calif.

MICHAEL A. BARMISH, *SCT '84*

won first place in the 2011 Holiday Screenplay Contest for his screenplay, *@Santa*. The contest requires feature-length scripts centered around any national or world holiday.

JEFFREY C. HAMPTON, *SBM '84*

was elected to serve on the Turnaround Management Association's International Executive Board. He is a partner in the law firm of Saul Ewing LLP in Philadelphia.

CHARLES E. MERKEL JR., *CLA '84*

was the first-ever recipient of the Distinguished Alumnus in Military Service Award from Columbus State University in Georgia. He currently is an historian in the 53rd Wing of the U.S. Air Force.

MÁRIA ZULICK NUCCI, *LAW '84*

published "Airport Law 101: Keeping the Dedicated Airport Law Practitioner Engaged" in the winter 2010 issue of *Translaw*. She resides in Nevada.

MARC S. RASPANTI, *LAW '84*

presented at the Criminal Justice Section 2012 American Bar Association Mid-Year Meeting in New Orleans in February. He participated on the panel, "Why is Qui Tam Litigation Often So Difficult to Resolve: What Has and Has Not Worked in the Past and Ways to Do It Better." He is a partner in the law firm of Pietragallo Gordon Alfano Bosick & Raspanti LLP.

KEVIN JOHNSON, *SBM '85, '91*

joined the law firm of Pepper Hamilton LLP as a partner in the firm's tax practice group in Philadelphia.

DAVID G. KELBLE, *SBM '85*

was appointed director of information technology for the Madlyn and Leonard Abramson Center for Jewish Life in Philadelphia. He also serves as executive vice president of the Philadelphia Philanthropic Society for Information Management Foundation.

HUGH T. PANARO, *MUS '85*

received the Edwin Forrest Award from the Walnut Street Theater in Philadelphia for long-term contributions to theater in the U.S.

M. CATHERINE MALKEMES, *THM '86, '88*

was appointed chief executive officer at the Women's Humane Society, one of the country's first humane societies, in Bensalem, Pa.

CICCU MUKHOPADHAYA, *LAW '86*

was appointed senior counsel in the law firm of Amarchand & Mangaldas in India.

MICHAEL L. NORRIS, *SCT '86*

serves as executive director of Art-Reach, a nonprofit organization in the Delaware Valley that makes the arts more accessible and affordable for underserved audiences.

MICHAEL L. RUSSO, *CLA '86, LAW '91*

was appointed an attorney-advisor for the Social Security Administration's Appeals Council, Office of Appellate Operations, in Baltimore.



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## CLASS OF 1980

Joseph V. Labolito



*An 84-year-old Medical Mission nun, Hinnegan has made it her life's work to empower women and to stop violence against them.*

## TERESITA HINNEGAN

**DEGREES:** BSW, MSW, social work, School of Social Work, 1980, 1981

**OCCUPATION:** Founder, Dawn's Place

**LOCATION:** Philadelphia

When Teresita Hinnegan, SSW '80, '81, studied human trafficking at Trinity College in 2004, she realized the gravity of the problem in the U.S. From January 2008 to June 2010, more than 2,500 incidents of human trafficking occurred, with 48 percent involving adult prostitution and 40 percent involving child exploitation, according to the U.S. Bureau of Justice. An 84-year-old Medical Mission nun, Hinnegan has made it her life's work to empower women and to stop violence against them.

A similar vision of social change led Hinnegan to Temple. After spending 14 years in Bangladesh as a midwife in the 1950s and 1960s, she became acutely aware of the problems of infant mortality and the healthcare needs of low-income mothers and babies. When she returned to the U.S. in 1969, health and welfare services were underfunded, poorly organized and impersonal.

"I was driven to learn as much as I could about the public systems that planned for and distributed health and welfare services, in addition to the political and public-policy processes that regulated them," Hinnegan says. She found a way toward her goal in the School of Social Work at Temple, where she earned both her undergraduate and graduate degrees.

After the course in trafficking, Hinnegan devised a way to help both the foreign women who are taken out of their home countries and promised jobs here, but are forced into prostitution instead, and U.S.-born prostitutes. For foreign women, language barriers and lack of citizenship complicate the danger they are in. If they were to report their situation to the authorities, they might be deported or suffer violence at the hands of the traffickers who control them. Domestic prostitutes must overcome social and cultural misconceptions about their work, such as "choosing" to end up on the streets, or the lack of accountability for illegal behavior committed by both pimps and johns.

This is where Dawn's Place becomes a life-saving resource. Hinnegan joined forces with two other nuns and two attorneys to open a safe haven for survivors of trafficking. Located in the Germantown area of Philadelphia, Dawn's Place provides women with sexual-trauma recovery therapy, access to addiction counseling, and education and life-skills training. Since it opened in 2009, 26 women have taken part in the recovery program, enabling them to have another chance in a society that formerly neglected them.

—Christine McLaughlin



# KUNAL NAYYAR

**DEGREE:** MA, acting, School of Communications and Theater, 2006

**OCCUPATION:** Sitcom star

**LOCATION:** Los Angeles

Los Angeles is about 2,800 miles away from North Philadelphia, but Kunal Nayyar, *SCT '06* (above, far left), a cast member on the Emmy Award-winning CBS comedy *The Big Bang Theory*, sees a lot of similarities between his old and new homes.

"The same feeling I have on the show now is the feeling I had at Temple," Nayyar says. "The brotherhood and the camaraderie I found at Temple were great. It was a community of people that wanted everyone to do well, as opposed to a community of people that competed against each other."

Nayyar—who was born in London, raised in India and went to Oregon to study at University of Portland in 1999—did some television ads in the U.S. and then found theater work in London before landing a guest role in the CBS drama *NCIS*. When he got the chance to audition for the role of an astrophysicist on *The Big Bang Theory*, he nailed it and has been with the cast through the show's first five seasons.

"I think I was just sort of young and confident and I had just gotten back from the Royal Shakespeare Company in England," Nayyar says. "I came into a very good situation. I screen-tested for Warner Brothers and the following week, I was called back for a screen test and got the show."

It was during his first few days on the set that Nayyar found the feeling he had at Temple.

"We got very, very lucky, in that even though we're all different people, our personalities fit like a puzzle," he says of the cast. "Working with Johnny Galecki and Kaley Cuoco, who are sort of veterans in the television world, is great. Watching them and the way they interact with the producers, cast and crew, and just how humble they are, is amazing. They come to work and work hard every day, and you pick up on those signs very early."

Nayyar, who will appear in the feature film *Ice Age: Continental Drift* in July, returned to Temple in October and spoke to a class of about 300 theater students. It was both a homecoming and a new experience all at once. "Even though the spirit of Temple hasn't changed, it has changed physically," Nayyar says. "It really has this new feeling to it." —*John Di Carlo, SCT '98, '06*

**"We got very, very lucky, in that even though we're all different people, our personalities fit like a puzzle."**

PATRICE M. HAWTHORNE, *SCT '87*

is a singer who performed as “Peaches” with the musical duo Peaches & Herb in 1990. Today, she leads a band called Patrice & the Show.

EUGENIA O’NEAL, *SCT '87*

has published three novels, *Dido’s Prize*, *Just an Affair* and *Jessamine*. She also is the author of *From the Field to the Legislature: A History of Women in the Virgin Islands*.

KEVYN M. BASHORE, *SCT '89*

exhibited a photography journal project at the Milton Hershey School Clyde Stacks Visual Art Center. The project is called *Where There Is Light*, a collection of photos taken with his iPhone each day over the course of one year.

CLIFTON A. VASELL, *ENG '89*

published *They Were Here Before* with Booklocker.com Inc.

#### 1990s

JAMIE J. BRUNSON, *SCT '90*

was appointed executive director of First Person Arts, an organization in Philadelphia that promotes and supports arts that stem from real-life experiences.

DENNIS J. FOLEY, *SCT '90*

celebrated his brother’s inauguration as the 13th president of Mount Aloysius College in Cresson, Pa.

EMILY CAJIGAS, *EDU '91*

developed a math-equation matching game for Nasco, a company that provides educational materials for teachers. She is a math teacher at Cherry Hill High School East in New Jersey.

TAMAR E. CHANSKY, *CLA '91, '95*

published *Freeing Yourself from Anxiety* with De Capo Press.

JASON DZUBOW, *CLA '91*

was named among “the best immigration attorneys in Washington, D.C.” in *Washingtonian* magazine. His blog, The Asylumist (Asylumist.com), is dedicated to the subject of political asylum.

KATAYUN I. JAFFARI, *SBM '91, '92*

was honored as “Committee Chair of the Year” for the Philadelphia Bar Association’s Business Law Section. She serves as chair of the Philadelphia Bar Association Business Law Section’s Small Business Committee. Jaffari has held the post since 2011.

NIKITAS I. MOUSTAKAS, *SBM '91*

was promoted from associate to counsel at the law firm of Parker McCay in Mount Laurel, N.J.

KERIS JÄN MYRICK, *SBM '91*

was profiled on the front page of *The New York Times* in an Oct. 22, 2011, article called “Lives Restored: A High-Profile Executive Job as Defense Against Mental Ills.” She is CEO of Project Return Peer Support Network, an organization that advocates for and supports people with mental illnesses.

DAVID A. SCHREDER, *SED '91*

joined the Lancaster, Pa., office of Herbert, Rowland & Grubic Inc., an engineering services firm. He serves as both land-development senior project manager and office manager.

ANDREA M. DEUTSCH, *LAW '92*

was appointed to the Narberth Borough Council in Pennsylvania. She owns Spot’s the Place for Paws, located in Narberth.

IRA M. FINGLES, *LAW '92*

was appointed to the Devereux Pennsylvania Advisory Board. Devereaux is a nonprofit provider of behavioral health services.

YUKI HIBBEN, *TYL '92*

was appointed assistant head of special collections and archives at the James Branch Cabell Library at Virginia Commonwealth University in Richmond.

THOMAS J. PROFY IV, *LAW '92*

spoke to several rotary clubs across Bucks County, Pa., on necessities for estate planning. He is an attorney with Begley, Carlin & Mandio LLP in Langhorne, Pa.

JANESA CHECCHIA URBANO, *SBM '92, LAW '96*

joined Ernest Bock & Sons Inc., a Philadelphia-based construction and management firm, as general counsel.

JOHN A. ZURZOLA, *CLA '92*

has been elected chair of the East Norriton Township Board of Supervisors in Pennsylvania. He also was appointed to serve as solicitor to the treasurer of Montgomery County.

SHERYL L. AXELROD, *LAW '93*

was named one of Pennsylvania’s “Top 50 Female Super Lawyers” in 2012.

JOHN E. MAKETA, *SBM '93*

co-authored *Now You’re Thinking!: Change Your Thinking ... Revolutionize Your Career ... Change Your Life*. It was published by Pearson TalentLens.

Y. THOS. “YUMY” ODOM-ROBINSON, *CLA '93*

was named a 2011 “Creative Connector” by Leadership Philadelphia. He was recognized for his work with the Frator Heru Institute, an organization for community advocates, and the East Coast Black Age of Comics Convention, a comic-book gathering for African Americans.

ERIC OWENS, *MUS '93*

performed in a recital at Carnegie Hall in New York City. He sang selections from Wolf, Schumann, Debussy and others.

ADAM M. BAILINE, *SCT '94*

opened Groove, a music center for children in King of Prussia, Pa.

JOSEPH P. DEVER JR., *LAW '95*

joined the downtown New York City office of Cozen O’Connor. He heads the firm’s Securities Litigation and SEC Enforcement Practice Group.

JENNIFER A. ABLES, *SBM '96*

works for Soldiers Who Salsa, a music- and dance-therapy program for injured U.S. veterans.

GENE R. MARIANO, *LAW '96*

was promoted to shareholder in the law firm of Parker McCay in Mount Laurel, N.J.



CHAD CORTEZ EVERETT, *TYL '97*

exhibited his artwork at the Flickerwood Wine Cellars Tasting Room in Kennet Square, Pa. The show was called *The Art of Story Telling*.

DEBORAH M. FRETZ, *SBM '97*

was appointed to the board of directors for Alpha Natural Resources, a coal supplier in Bristol, Va.

MARC A. JACKSON, *SBM '97*

was inducted into the Big 5 Hall of Fame, which honors basketball players from Philadelphia's "big five" NCAA men's teams, including Temple.

WOLE A. OLUMIDE, *PHR '97*

launched Luxe Life Concierge Co. Inc., a luxury concierge service in Miami.

HARLEY RUBIN, *SCT '97*

joined the Dallas office of iCrossing, a digital marketing agency, as a copywriter.

DERON ALBRIGHT, *TYL '98*

completed his first feature film, *Destiny of Lesser Animals*, which offers a look at life in Ghana and challenges Western assumptions about both the country and Africa. He is an associate professor of film and media at Saint Joseph's University in Philadelphia.

ANGELA L. DUFRESNE, *TYL '98*

held several solo and group exhibitions in 2012, including shows at the Monya Rowe Gallery and the CRG Gallery, both in New York City.

CHRISTOPHER S. EARLEY, *ENG '98*

was featured on *Home Improvement USA*, a radio show. He discussed child safety in the home and the importance of home inspections. Earley is owner of Inspect It 1st Property Inspection in Independence, Ohio.

COLIN D. HEATON, *CLA '98*

published his eighth book, *The Me 262 Stormbird: From the Pilots Who Flew, Fought and Survived It*, with Zenith Press.

STEPHANIE L. KOSTA, *CLA '98*

was named a partner in the law firm of Duane Morris LLP in Philadelphia.

RENEE MCKENZIE-HAYWARD, *CLA '98, '05*

was installed as the Episcopal chaplain of Temple and the vicar to the Church of the Advocate in North Philadelphia.

ANTHONY STITT, *SCT '98*

won the Greater Philadelphia Film Office's Shoot in Philadelphia Competition. His submitted screenplay is called *The Sneaker Man*.

JOSEPH M. ZAVATSKY, *CST '98*

was appointed section chief of spine surgery in the Department of Orthopaedic Surgery at Ochsner Medical Center in New Orleans.

RICHARD C. LIU, *CHPSW '99*

was appointed senior workforce and training manager at HealthHIV in Washington, D.C.

## 2000s

ELIZABETH M. GARCIA, *LAW '00*

was promoted to shareholder in the law firm of Parker McCay in Mount Laurel, N.J.

RYAN J. RABINOWITZ, *SBM '00*

was promoted to associate director, client relations, at Turner Investments, an employee-owned investment-management firm based in Berwyn, Pa.

AKILAH C. LINDLER, *CST '01*

was appointed co-executive producer of *Makin' It in Philly*, an independently produced reality television show that airs on WMCN-TV in Philadelphia.

RANDY A. PETERS, *EDU '01*

was one of 61 elementary- and middle-school principals worldwide named by the National Association of Elementary School Principals as "2011 National Distinguished Principals." He is principal of Orange Street Elementary School in Berwick, Pa.

AYESHA SAEED, *ENG '01*

works with the U.S. Army Corps of Engineers on three reconstruction projects in Afghanistan: a utilities upgrade project, a support battalion installation project and a regional police training center, all near the town of Herat.

STEVEN DECUSATIS, *TYL '02*

launched a line of U.S.-made snowboards, clothing and stickers. Called HERE Snowboards, the company is based in Philadelphia.

HARLEY F. ETIENNE, *CLA '02*

published *Pushing Back the Gates: Neighborhood Perspectives on University-Driven Revitalization in West Philadelphia* with Temple University Press. The book examines the expansion of the University of Pennsylvania in West Philadelphia.

STACY (WEEKS) GROFF, *MUS '02*

earned a master of nonprofit management degree from the University of Central Florida in Orlando. Additionally, she has been recognized as a distinguished alumna of that university.

ANDREW HUANG, *DEN '02*

collected more than 1,200 pounds of canned food and more than 50 toys during his dental practice's sixth annual holiday collection. Huang is a cosmetic and sedation dentist who runs Santa Teresa Dental in Morgan Hill, Calif., with his wife, Ann Lien.

ANGUS M. POWERS, *TYL '02*

presented a lecture called "Work Play: A Visual Tour of My Glass Design, Sculpture and the Alfred University Glass Program" at Alfred University in New York.

DYWAYNE R. MOODY, *SCT '03*

premiered his play, *Four Conversations*, at Leonard Nimoy Thalia at Symphony Space in New York City.

SHELLEY B. POPE-KEITT, *SBM '03*

was selected to be a member of the Emerging HR Leaders Forum by the Partnership for Public Service in Washington, D.C. She represents the U.S. Department of the Treasury.

## CLASS OF 1976

# COSMO DENICOLA

**DEGREE:** BBA, economics and business administration, Fox School of Business, 1976

**OCCUPATION:** Serial entrepreneur

**LOCATION:** Gladwyne, Pa.

Serial entrepreneur and Philadelphia Soul co-owner Cosmo DeNicola, *SBM '76*, has a big personality, an aggressive business sense and a passion for competition.

He drives luxury cars, visits the Playboy Mansion and poses for photos with celebrities, including Steven Spielberg, Arnold Schwarzenegger and John McCain.

He also is a loyal family man who has been married for 37 years and whose 30-year business partner is his wife, Janet. He is as inclined to plug his son Michael's Flyers blog ([phillyreign.com](http://phillyreign.com)) as he is to recount his profound business acumen.

Raised in the Philadelphia neighborhood of Port Richmond, DeNicola was attracted to Temple because he could stay close to his family, start one of his own and balance classes with two jobs, including the one that launched his career: junior accountant at a corrugated-box plant.

"I was able to work full time, take 12 hours of classes and work a part-time job on the weekends," he says. "Temple gave me the ability to go to school in my community, get a great education and adapt school to my life, rather than the opposite."

He started his first business—the predecessor to what is now Amtech Software—in 1981. After his first decade in business, he spun off a division of Amtech and formed Futura Services, of which Janet is owner and CEO. The companies are based in the same building in Fort Washington, Pa.

The DeNicolas continued to diversify in the 1990s and started conducting mergers and acquisitions in the early 2000s. That is when they bought main competitors in Los Angeles and St. Louis and started InfoLogix, a major player in enterprise mobility systems that went public in late 2006. In 2010, they launched Futura Healthcare Technology to focus on in-hospital, point-of-care mobility solutions.



*"Temple gave me the ability to adapt school to my life, rather than the opposite."*

Last year, the couple acquired a 50-percent interest in a New York talent management company, now called MKS&D, of which DeNicola is board chair. The firm manages TV, film and theater stars and recently opened an office in Beverly Hills, Calif.

And, of course, he also is co-owner of the Philadelphia Soul, the city's arena football team and champions of the 2008 Arena Bowl.

Though he leads his companies' advertising and marketing with bravado, he says, "I'm an accountant with an accounting degree from Temple." In other words, he notes, quantitative skills are as important to his success as qualitative ones are. "Personality and professional education—it's that marriage that's my secret weapon."

—Brandon Lausch, SCT '06

## KAREN E. AGERSBORG, MED '04

was named to the board of the Dad Vail Regatta Organizing Committee, a nonprofit organization that runs the annual Aberdeen Dad Vail Regatta in Philadelphia.

## YABA A. BLAY, CLA '04, '07

was interviewed by Don Lemon on CNN about her new book and website, *(1)ne Drop: Conversations on Skin Color, Race, and Identity*.

## SHIRLEY T. COLLINS, CLA '04

teaches introductory English courses at Florida Institute of Technology in Melbourne, Fla.

## HSIAO-LAN HU, CLA '04, '08

published *This-Worldly Nibbāna: A Buddhist-Feminist Social Ethic for Peacemaking in the Global Community* with SUNY Press. She is an assistant professor of religious studies, and women's and gender studies, at University of Detroit Mercy in Michigan.

KELLIE A. MCGOWAN, *LAW '04*

became a shareholder in the law firm of Eastbrun and Gray PC in Doylestown, Pa. She practices real estate and land-use law.

GEOFFREY L. MESKO, *SBM '04*

was promoted to shareholder in the firm of Drucker & Scaccetti in Philadelphia.

SA'DIYYA SHAIKH, *CLA '04*

published *Sufi Narratives of Intimacy: Ibn 'Arabi, Gender, and Sexuality* with University of North Carolina Press.

GABRIELE V. CARIOLA, *TYL '05*

won third prize in Photography Expo XII, held at Tyme Gallery in Broomall, Pa. He is a photographer with Philip Gabriel Photography in Media, Pa.

JACOB GALECKI, *SBM '05*

is a recruiter with Ezra Penland Acturial Recruitment in Chicago.

DAVID A. KING, *EDU '05*

was named the 13th president of Malone University in Canton, Ohio.

STEPHANIE POTTER HANYON, *DEN '06*

was appointed a diplomate of the American Board of Pediatric Dentistry.

ADAM PEADEN, *POD '07*

practices podiatric medicine at Gulf Coast Podiatry in Panama City.

DAVID J. ULBRICH, *CLA '07*

published *Preparing for Victory: Thomas Holcomb and the Making of the Modern Marine Corps, 1936-1943* with Naval Institute

Press. For that book, he was awarded the 2012 General Wallace M. Greene Jr. Award for distinguished nonfiction that focuses on U.S. Marines or Marine Corps life.

CATHERINE HAWLEY, *SCT '08*

was hired by WFMZ-TV in Allentown, Pa., as a reporter for 69News. She relocated to Allentown from Richmond, Va., where she worked for WRIC-TV8.

SARAH L. KURZ, *TYL '08*

exhibited her work at Allegra LaViola Gallery in New York City. The show, titled *Sarah Kurz: Made for Love*, featured portraits of women and landscapes.

MEREDITH E. MOORE, *SSW '09*

was named "Social Worker of the Month" by the Pennsylvania chapter of the National Association of Social Workers in February 2011. She is a licensed clinician who works with veterans at Lebanon VA Medical Center.

JUSTIN E. ROSENBERG, *SBM '09*

developed honeygrow, an innovative, fast, casual eatery that will serve premium made-to-order stir-fry bowls, chef-designed salads and gourmet shakes in Center City, Philadelphia. The restaurant will open this spring.

BROOKE SHADEN, *SCT '09*

won Canon's Project Imagination contest with her photo "Running from Wind." Film director Ron Howard selected the photo to capture the theme of time in his short film titled *When You Find Me*.

2010s

MARK P. EID, *SBM '10*

addressed the Next Generation of Business Leaders group in Fredericksburg, Va., as part of its Midweek Motivation series. He spoke about opening a dermatology practice in Fredericksburg and buying his own commercial real estate at a young age.

GIAN S. HUNJAN, *SBM '10*

is a comedy writer and producer in New York City, and is co-producer of *Dom vs.*, a web series on YouTube.

KATHERINE N. PERNA, *CLA '10*

published a children's book, *The Firefly*, with Mirror Publishing. It is available for purchase online. She also is a graduate student of psychology at Immaculata University in Pennsylvania.

CARA M. COLANTUONO, *SSW '11*

founded Support Homeless Veterans, a nonprofit organization in Philadelphia that provides homeless military veterans with supported permanent housing.

HANNAH L. LACASSE, *SED '11*

joined Stoney Bank Nurseries in Glen Mills, Pa., and assisted with the design of its exhibit for the 2012 Philadelphia International Flower Show.

DAVID COOPER MOORE, *SCT '11*

created *Film Versus Film*, an online video series of film debates with Matt Prigge, a film critic for *Philadelphia Weekly*; Chris Cagle, assistant professor of film history and theory at Temple; and Dustin Morrow,

assistant professor of digital cinema and film studies at Portland State University in Oregon.

MATTHEW J. PALCZYNSKI, *TYL '11*

was appointed curator for Woodmere Art Museum in Philadelphia. He also is an adjunct assistant professor of art history in Tyler School of Art.

JEREMY A. SCHONBRUNNER, *SBM '11*

signed with the Philadelphia Soul, the city's Arena Football League franchise. He was an offensive lineman for five seasons with the Owls.

KISSINGER "KEN" SIBANDA, *LAW '11*

read excerpts from his latest novel, *The Return to Gibraltar*, at the 23rd National African-American Read-In in Orange, N.J. He also is a filmmaker.

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# IN MEMORIAM

*This list includes those in the Temple community who have passed away since the last issue of Temple.*

## 1930s

James W. Davidheiser, *SBM* '31, *EDU* '36  
 Nathan Estreicher, *DEN* '35  
 Betty H. Strouse, *EDU* '35  
 E. Emanuel Burkman, *EDU* '37, *CLA* '38, *CLA* '41  
 Morton L. Charlestein, *SBM* '37  
 Rexford L. Brown, *SBM* '38  
 John M. Davidson, *EDU* '38  
 Frances T. Shoemaker, *EDU* '38  
 Kathryn S. Hawkins, *CLA* '39  
 Raymond M. Shapiro, *SBM* '39  
 Morris Yermish, *DEN* '39

## 1940s

Naomi Beaty, *EDU* '40  
 Vernon D. Cottx, *SBM* '40, '51  
 Robert F. Beckley, *MED* '41  
 Martin B. Berman, *SBM* '41  
 Lester M. Cohen, *DEN* '41  
 Mary Y. Hornor, *EDU* '41  
 Charles A. Mulranen, *SBM* '41  
 Betty H. Skinner, *SCT* '41  
 J. Richard R. Bobb, *MED* '42  
 Earl C. Costa, *DEN* '42  
 Antoinette Gayusky, *CHPSW* '42  
 R. Dean Luther, *MED* '42, '50  
 John M. Steigner, *MUS* '42  
 Howard M. Blackmon, *EDU* '43  
 Libera M. Dogliotti, *PHR* '43  
 Sylvia B. Fisher, *TYL* '43, *EDU* '43  
 Myron Kirshner, *PHR* '43  
 Joseph A. Marlino Sr., *PHR* '43, '51

Joseph C. Schabacker, *SBM* '43  
 Doris Y. Schulten, *CHPSW* '43  
 Michael Seniuk, *DEN* '43  
 Will N. Spear, *MED* '43  
 Olympia Viscidi, *EDU* '43  
 Robert R. Wiloughby, *POD* '43  
 Philip Acinapuro, *EDU* '44, '52  
 Joseph A. Cuminale, *DEN* '44  
 Muriel G. Korn, *EDU* '44, '53  
 Gino G. Papola, *MED* '44  
 David E. Reiber, *MED* '44  
 Lucille S. Stezzi, *EDU* '44, '55  
 Richard Golub, *CST* '45, *LAW* '76  
 Raymond H. Gorman, *DEN* '45  
 Marian T. McStay, *EDU* '45  
 Stephen R. Panetti, *DEN* '45  
 Elsie Lindeman Spangler, *SCT* '45  
 Leon Gotsdiner, *SBM* '46  
 Warren J. McCandless, *MED* '46  
 Sheldon R. Rappaport, *CLA* '46, '48  
 Nathan D. Bender, *CLA* '47, '52  
 Lois F. M. Deacon, *SBM* '47  
 Dominick Delaurentis, *ENG* '47  
 Louis Fink, *DEN* '47  
 Joseph F. Lydon, *MED* '47  
 James W. McDowell, *DEN* '47  
 Marvin L. Radoff, *MED* '47, '50  
 William W. Schock, *MED* '47  
 Margaret Maguire Walsh, *SBM* '47  
 Joseph J. Zito, *DEN* '47  
 Norman R. Brown, *SBM* '48  
 Huey Edward Charlton, *EDU* '48, '58  
 Bette B. Crowe, *CHPSW* '48  
 Henry K. Davenport, *ENG* '48  
 Ruth B. Foerster, *CHPSW* '48

Nancy T. Jautaikis, *SED* '48  
 Edward J. Lekarz Jr., *PHR* '48  
 Samuel J. Levitan, *POD* '48  
 Arthur L. Lieberthal, *DEN* '48  
 Mary Lou B. Mattoon, *SED* '48  
 Joseph J. Miller, *MED* '48  
 George P. Rutt, *MED* '48  
 Mary Sassaman Brimmer, *CHPSW* '49  
 Merritt H. Brodie, *DEN* '49  
 Harriet Forman, *MUS* '49, *EDU* '54  
 Jerome Goldfield, *ENG* '49  
 Herman Goodman Jr., *ENG* '49  
 William E. Guenther, *CST* '49  
 John Gurtovoy, *EDU* '49, *TYL* '49, '50  
 William E. Hooper Sr., *MED* '49  
 Ben Kaneda, *CST* '49  
 Joan B. Minora, *CHPSW* '49  
 Melville R. Monte, *MED* '49  
 Harold Poland, *ENG* '49  
 Irvin Silverstein, *PHR* '49  
 Alice W. Staub, *MED* '49  
 Joseph Waldspurger, *ENG* '49

## 1950s

Allen B. Benowitz, *SBM* '50  
 John Francis Gillin, *EDU* '50, '53  
 Cyrus Greenberg, *CST* '50  
 Robert G. Hoffman, *EDU* '50, '54  
 Howard Levin, *PHR* '50  
 John R. Longenecker, *PHR* '50  
 Wilfred Rudley, *CST* '50  
 Donald L. Scanlan Sr., *CHPSW* '50  
 David M. Ashton, *SBM* '51  
 Jean B. Green, *SBM* '51, *LAW* '53

James Richard Hart, *CLA* '51, '59  
 Elliot G. Jacoby, *EDU* '51  
 Geraldine L. Oliver, *SCT* '51  
 Alfred Ayoub, *DEN* '52  
 Leonard Cohen, *CHPSW* '52, *EDU* '56, '72  
 Ruth P. Little Darnell, *MED* '52  
 Joseph A. Kreglewicz, *ENG* '52  
 Ralph A. Peterson, *SBM* '52  
 William S. Taylor III, *EDU* '52  
 Samuel D. Zeiders Jr., *DEN* '52  
 Walter R. Burns, *DEN* '53  
 Mario J. Di Carlo, *CLA* '53  
 David Finch, *CLA* '53, '54  
 Stanley H. Gilbert Jr., *MED* '53  
 Herbert Abrams, *CLA* '54, *DEN* '58  
 Sidney L. Barlow, *PHR* '54  
 John Joseph Comey, *ENG* '54  
 John J. McCafferty Jr., *SCT* '54  
 Elaine Smailer Restifo, *TYL* '54  
 Beatrice G. Sanders, *EDU* '54  
 Elbert L. Schoonover Jr., *PHR* '54  
 Joan R. Carlson, *EDU* '55  
 Stephen A. Guresh, *EDU* '55  
 George R. Johnston, *ENG* '55  
 Raymond Anthony Lukasik, *PHR* '55  
 Douglas G. Brace, *LAW* '56  
 Charles G. Daukas, *MED* '56  
 Charles E. Gerber, *DEN* '56  
 Robert N. Henderson, *MED* '56  
 Marvin Lundy, *SBM* '56, *LAW* '59  
 Ann B. Miller, *CHPSW* '56  
 Anthony Scardapane, *ENG* '56  
 G. Robert Vansciver, *DEN* '56, '71  
 Charles Earl Goodal, *EDU* '57

Courtesy of the Sigma Chapter of Gamma Iota Sigma



## KEVIN KLESS

The Fox School of Business and the entire Temple community were stunned and saddened to learn of the Jan. 14, 2012, murder of Kevin Kless, *SBM '10*.

Kevin, a risk management and insurance major, had recently accepted a position with Marsh and was excited to be back in Philadelphia.

We extend our condolences to Kevin's family and friends as we all mourn the loss of such a promising young man.

Henry V. Kemp, *ENG '57*  
 Clinton Dudley Lowden, *EDU '57*  
 Joseph Robert Mussell, *MED '57*  
 Norman John Scheibling, *MED '57*  
 Jacquelyn Nemits Belden, *CHPSW '58*  
 John J. Bolton, *EDU '58*  
 David Bertram Dunkle, *MED '58*  
 William J. Dunn, *EDU '58*  
 Gilbert S. Fell, *CLA '58, '60, '69*  
 Alan Harris, *SBM '58*  
 Daniel L. Hyman, *SBM '58*  
 Bayne B. Isaacson, *CLA '58*  
 Henry Rubino, *PHR '58*  
 Edwin H. Sell, *ENG '58*

Leroy R. Brendlinger, *EDU '59*  
 William Krotow, *CLA '59*  
 Vincent E. Larocco, *EDU '59*  
 Larry McMullen, *CLA '59*

### 1960s

Edward A. Burg Jr., *MED '60*  
 Renee Cooperstein Goffman, *EDU '60*  
 Ralph G. Mastrogiovanni, *MUS '60*  
 Morris Ostrow, *LAW '60*  
 Judith F. Trachtenberg, *CLA '60*  
 John Arthur Beck, *ENG '61*  
 Bennett R. Cohen, *SBM '61*  
 Charles A. Grumbine, *EDU '61*  
 Philip Lieb II, *DEN '61*  
 Sandra Becker Mayers, *CLA '61*  
 Rosalie C. Miller, *EDU '61*  
 Stuart S. Sagel, *CST '61, MED '65*  
 John Tiers, *EDU '61*  
 Allen Adler, *SBM '62*  
 Cyrus Adler, *SBM '62*  
 James N. Alexander III, *SBM '62*  
 Edward J. Belinski, *DEN '62*  
 Stanley Cholodofsky, *CST '62*  
 Robert C. Daniels, *LAW '62*  
 Berkeley P. Hastings, *ENG '62*  
 Robert G. Kolbeck, *ENG '62*  
 John W. Lake, *ENG '62*  
 Winifred J. Oberreit, *EDU '62*  
 Charles C. Parsons, *MED '62, '67*  
 Robert G. Pellati, *SBM '62*  
 Thomas A. Rullo, *CLA '62, CST '65*  
 John J. Turchi Jr., *SBM '62*  
 Charles J. Wolfe Jr., *DEN '62*  
 Stanleigh I. Ayres Jr., *CLA '63*  
 Alfred Gilgore, *PHR '63*  
 S. Richard Klings III, *LAW '63*  
 Rachel Rome-Houpes, *EDU '63*  
 Frank C. Sidella, *SBM '63*  
 Betty L. Cornell, *EDU '64*  
 Richard D. Einhorn, *DEN '64*

John H. Ford, *ENG '64*  
 Robert J. Giacomelli, *ENG '64*  
 Karl Leon, *DEN '64*  
 Felice R. Platt, *CHPSW '64*  
 Benjamin C. Wright, *CLA '64*  
 Robert L. Yoxtheimer, *MED '64*  
 John J. Mavis, *EDU '65*  
 Robert D. Phillips Jr., *EDU '65*  
 Earl W. Hoffman, *ENG '66*  
 Rita G. MacIntosh, *CLA '66*  
 Elaine Susan Paris, *EDU '66*  
 Richard P. Falstick, *EDU '67*  
 John B. Jeffers, *MED '67*  
 John Sharp, *EDU '67*  
 Mitzi Missimer White, *CLA '67*  
 Frank D. Herron, *EDU '68*  
 Joel A. Cohen, *SBM '69*  
 Daniel A. Decarlo, *TYL '69*

### 1970s

Margaret V. Henderson, *EDU '70*  
 Gisela C. Hill, *CLA '70, '72*  
 Norman Lissansky, *SBM '70*  
 Gary M. Mogil, *SBM '70*  
 Elliot J. Schragar, *CLA '70*  
 William Edward Dickson, *EDU '71*  
 William James Feeney, *EDU '71*  
 Thomas E. Taylor, *ENG '71*  
 William I. Guy, *CLA '72*  
 Aurora E. Moral, *EDU '72*  
 Mary Margaret O'Hara, *EDU '72*  
 Tamas M. Raday, *CLA '72*  
 Ralph Anthony Rossi Jr., *MED '72*  
 Helene Mae Adelman, *EDU '73, '75*  
 Earl Kress, *SCT '74*  
 James A. George III, *CLA '75*  
 Robert N. Greenberg, *CLA '75*  
 Carlos R. Vazquez, *EDU '75, '78*  
 Philip C. Hegen, *CLA '77*  
 Richard Janiszewski, *EDU '77*  
 Henry R. Gureck, *SBM '79*

### 1980s

E. Ronald Kirkland, *EDU '81*  
 Paul Schaffner Stoner Jr., *MED '82*  
 Robert M. Di Florio, *EDU '83, '87*  
 Thomas E. McKay, *ENG '83*  
 Deborah J. Shank, *CHPSW '85*  
 Elam J. Peachey, *EDU '86*  
 Peter B. Stiles, *SCT '87*  
 Sandra J. Magro, *SCT '88*  
 John M. Rasche, *EDU '88*

### 1990s

Edward J. McHugh, *EDU '91*  
 Gabriel J. Dimasi, *EDU '92*  
 J. Douglas Moran Jr., *SCT '95*  
 Gbolahan G. Olabode, *CLA '97*  
 Susan Detscher Pizzano, *CLA '98*

### 2000s

Steven M. Kolodji, *CLA '01*  
 Patricia A. Dillon, *EDU '03*  
 Nancy J. Painter, *CHPSW '03*  
 Christopher C. Garsky, *CST '04*  
 Justin P. Nazarenko, *CST '06*

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---

LAURENCE STEINBERG, LAURA H. CARNELL PROFESSOR OF PSYCHOLOGY,  
*You and Your Adolescent: The Essential Guide for Ages 10-25*,  
Simon & Schuster, 2011

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