

SUMMER 2012

UNIVERSITY MAGAZINE

# TEMPLE



## SCIENCE FICTION

TEMPLE SCIENTISTS TACKLE THE LACK OF LOGIC IN SCI-FI AND DISASTER FILMS



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**ALUMNI**

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**HEART OF AFRICA**

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On the eve of South Sudan's first birthday, John Prendergast, *CLA '86*—one of that nation's strongest proponents of independence—discusses the country's contentious past and its promising future.



# TEMPLE

*Summer might call to mind leisurely pursuits, but the Temple community continues to educate, investigate and advocate. In this issue, professors use blockbuster movies to teach scientific principles; an alumnus fights for peace in Africa; a doctor seeks to prevent amputations; and a researcher works to improve literacy.*

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By collaborating with doctors across specialties, a Temple researcher helps diabetic patients and others keep legs, arms and feet intact, against the odds.



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Underserved schoolchildren get a remarkable head start in literacy, a result of the research of Barbara Wasik in the College of Education.

**12 FAREWELL:** As Temple President Ann Weaver Hart steps down, *Temple* examines the enduring impression she made on the university.

**ON THE COVER:** In an illustration by Hugh Syme, images reminiscent of sci-fi and disaster films are swept into an unbelievably powerful tornado.

# FROM NORTH BROAD TO HOLLYWOOD & VINE



Temple founder Russell Conwell established Temple Studios, through which he wrote and produced *Johnny Ring and the Captain's Sword*. At left is a set from that film.

Below, Chuck McFarland, who oversees operations at the Annenberg Communications Center in the School of Podiatric Medicine, sets the studio stage. Since it opened more than 40 years ago, it has produced training videos that range from documentaries to lectures to surgical procedures.

Temple's connection to the film industry reaches back to founder Russell Conwell, who was passionate about drama and movies. In 1921, he wrote and produced a silent film titled *Johnny Ring and the Captain's Sword*, said to be based on his experiences as a soldier in the Civil War.

The Annenberg Communications Center in the School of Podiatric Medicine has a slightly different take on Conwell's film production legacy: A full-fledged television studio, it is one of the world's largest producers of podiatric medical education videos.

The College of Science and Technology views film from a different angle, too. Two Temple professors teach courses designed to distinguish scientific fact from fiction through action, disaster and sci-fi films. To learn more about blunders on the silver screen, see "Weird Science," page 16.



Joseph V. Labolito

## Give Us 10!

We want to know what you think of this issue of *Temple*. To answer 10 questions about the magazine, visit [temple.edu/templemag](http://temple.edu/templemag).

## VOL. 66 NO. 1 / SUMMER 2012

Senior Vice President, Institutional Advancement  
David L. Unruh

Associate Vice President, Advancement Communications  
Nicole Naumoff

Executive Director, Alumni & Development  
Communications  
Betsy Winter Hall, SCT '01

Senior Editor  
Maria Raha

Associate Editor  
Renee Cree, SCT '12

Design  
Temple University Creative Services (212-1112)

Correspondence, Address Changes and Gifts  
TASB/1852 N. 10th St., Philadelphia, PA 19122  
215-926-2562 / 800-882-7655

Email  
templemag@temple.edu

Website  
temple.edu/templemag

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## 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

## IN THE INTERIM

Richard M. Englert, provost and senior vice president for academic affairs, assumed the responsibilities of president of Temple University July 1, 2012. He will serve as Temple's acting president until the Presidential Search Committee completes its work and recommends a final candidate to the Board of Trustees.

The search committee, comprising trustees and representatives of the faculty and student body, continues to assess potential candidates.

A professor of educational administration, Englert has served Temple since 1976. He has been vice president for administration, associate dean and dean of the College of Education, deputy provost and dean of University College, and chief of staff to former Temple President Peter J. Liacouras.

"The Board of Trustees has full confidence that Dr. Englert will ably lead the university



Joseph V. Labolito

with fidelity to its mission of access to excellence," says Patrick J. O'Connor, chair of the board. "We call on all members of the Temple community to give Dr. Englert their full support during his time as acting president."

## WE ASKED, YOU ANSWERED



In the spring issue, we asked you to "Give Us 10!" answers about the magazine's new look. Here's some of what we learned.

## 92 PERCENT

Editorial content is "informative."

## 84 PERCENT

The magazine's look is "attractive."

## 52 PERCENT

I will read Temple "more often" than I did in the past.

## 4 PERCENT

Editorial content is "shallow."

"The cover blew me away and got me into the articles."

"Surprise us again with the cover!!"

"Disappointed that the symbol that uniquely identifies the university [the Temple 'T'] is hidden on the back cover."



# SINKING INTO SMART ART

Robert Blackson arrived at Temple Gallery in mid-2011. Since then, he has organized a staggering—and unorthodox-level of programming, from a mobile blood bank to 10 audio exhibits about moments of silence, to draw attention to a variety of social issues.

At the time of this interview, the gallery featured a performance-art piece by Philadelphia artist Tim Belknap. Over an eight-week span, Belknap donned a NASA suit and suspended himself in a giant white cube outfitted like a spaceship. In this setup, he used the internet-conferencing software Skype to talk to local fourth-graders about space exploration. Blackson says the artist was inspired by the shuttering of the NASA program.

## How do you choose what will be exhibited in the gallery?

We have an advisory council, made up of people from across campus and Philadelphia. When we meet, everyone brings a question they don't know the answer to. A discussion ensues about the different issues posed, and we vote. Based on the votes, we decide how much space, money and time to devote to [exhibits in] the gallery.

## Is that different from how other galleries operate?

It is. Usually, a curator relies on what they've seen in the art world, such as what kinds of exhibits they've seen, the types of artists they know—things like that. But here at Temple, our mission focuses on what we need to learn about now.

## Can you provide an example?

In 2011, we had the Big Shale Teach-In to discuss the issue of fracking. It's a topic almost all of us are interested in, whether you're an artist, a geologist or a mother of four worried about your drinking-water supply. We involved a number of speakers from across campus and across the city, to come together to talk about what it means to drill thousands of feet below us, break apart a rock and try to extract the gas within that rock without harming the environment.



Ryan S. Brandenberg

Robert Blackson sits among two artworks: "Love Songs"—the records on the table, chosen by Lucas Henry in the Boyer College of Music and Dance—and "I <3 CZ," a fiber sculpture by Susie Brandt made from 120 skeins of yarn.

## ROBERT BLACKSON

**OCCUPATION:** Director, exhibitions and public programs, Temple Gallery

**LOCATION:** Tyler School of Art, Main Campus

## We've heard that you make your own clothes. How did that start?

That came out of my time [in art school] in Scotland. I arrived in January, and was not prepared for how cold it was. I didn't have enough clothing, but there was a sewing machine available to students, and I could get fabric cheaply, so I decided to sew things to keep me warm. I've been doing it ever since.

## With cultural institutions losing money and schools ending their art programs, how do you make the case for art's importance?

Art instills in us a sense of humanity; we are drawn to it, believe in it and value it. Even amid the destruction and negativity [in the world], there's a sense that art should be saved. I think that's been borne out by history. If you visit ancient places such as Greece, they didn't keep the notes on city-council meetings or voting registration cards; they preserved really curious objects instead.

# NEWS

*The Class of 2012 celebrates Commencement; the Owls join the Big East Conference; a Temple researcher's innovation helps primary-care doctors detect growths; a film student is an Oscar nominee; U.S. News & World Report gives Temple high marks; thousands "get their Owl on" during Alumni Weekend 2012.*



Ryan S. Brandenberg

## DO THE MATH: THE CLASS OF 2012

The Class of 2012 celebrated Commencement May 10 in the Liacouras Center.

The number of conferred degrees,

**8,668**,

makes it the largest-ever class in university history.

The oldest graduate is a

**67-year-old**

student in the Department of English.

**82** countries are represented by the Class of 2012.

Students from

**43** states—plus Washington, D.C., Puerto Rico and Guam—comprise this year's graduating class.

## PROGRESS IN HARRISBURG

After working vigorously for months to maintain Temple's state funding and to avoid further cuts, the Pennsylvania Senate Appropriations Committee has included flat funding for higher education in its proposed budget. If enacted, the bill would restore Temple's appropriation to last year's level, rather than further reducing it by 30 percent as proposed by Pennsylvania Gov. Thomas Corbett in February. The bill still must be approved by two-thirds of both state houses and Gov. Corbett, but it is an important step in securing fair funding for Temple this year.

"This relationship has meant that Temple has been able to give our students access to a quality education," says Tony Wagner, executive vice president, CFO and treasurer of Temple. He notes that in-state students pay approximately \$10,000 less per year than out-of-state students because of state support.

*To advocate for Temple and to stay up to date about government affairs, join Temple Advocates Legislative Outreach Network (TALON) by visiting [temple.edu/talon](http://temple.edu/talon) and clicking "Take Action."*

Left: The women's basketball team breaks in its practice facility in the newly renovated Pearson-McGonigle Hall.

Right: An architecture student constructs a project in one of the numerous, light-filled studio spaces in the new Architecture building on Main Campus.



Ryan S. Brandenberg

## NEW DIGS FOR ARCHITECTS AND ATHLETES

The Department of Architecture, which has shared space in the Engineering building at 12th and Norris streets since the 1970s, recently moved into a new, dedicated building on 13th Street, doubling space for the department.

The facility is the first to be completed as a part of Temple's 20/20 framework for campus development, which includes an arts quad comprising the Tyler School of Art, the Boyer College of Music and Dance, and the School of Communications and Theater. Such spirit of collaboration, and new spaces for the arts, will help position Temple as a global destination for art of all kinds.



Ryan S. Brandenberg

In addition to studios, classrooms and workshops, the Architecture building has plenty of space for student socializing—or solitude.

Brigitte Knowles, Tyler School of Art senior associate dean in the Department of Architecture, believes the new space will attract students and allow the department to grow. New programs and degrees also have been added: Facility Management and Architectural Preservation, for undergraduates; an undergraduate pre-professional degree in architecture; and a graduate-level professional degree in architecture.

Additionally, engineering students will benefit. Steve Lengkeek, assistant dean of finance and operations for the College of Engineering, says members of the college are “relieved” to have the additional space vacated by the Architecture Department.

“In the past five years, our program has grown by 50 percent and we were maxed out,” he says. “It’s a win-win for both programs.”

Temple's basketball teams also moved into their new, state-of-the-art practice facilities in Pearson-McGonigle Hall on Broad Street.

In addition to new regulation-sized courts, the basketball facilities feature 24-hour access, coaches' offices, recruiting and meeting spaces, strength and conditioning areas, an academic study lounge and more.

“Now, we have a home of our own, where we can be whenever we want, card-swipe our way in and work,” says Fran Dunphy, head coach of men's basketball. “We haven't had that luxury before. And I mean that sincerely—it's a luxury. There are plenty of really good basketball teams that don't have what we do.”

Pearson-McGonigle is undergoing a \$58 million renovation, estimated to be completely finished by the end of 2012. In addition to the basketball facilities, the project will add additional recreational space, classrooms, offices and a front atrium that will include retail space on Broad Street.

**LAURA KUSERK, CLASS OF 2016**

### FAST FACTS

The new Architecture building and the additional space in Pearson-McGonigle provide students with 190,000 additional square feet of campus space in which to compete and create.

Other Temple 20/20 proposed projects—including a science, education and research center; a residence hall; a new library; and more—will add more than 1 million square feet of study and living space to Main Campus and the Health Sciences Center.



Mitchell Lefr



The Owls defeat Duke University in one of the biggest upsets of the regular season. Duke—ranked No. 5 at the time of the game—had only one other loss in 2011–2012.

## 'I BELIEVE'

Temple men's basketball blazed trails through the 2011-2012 season. After winning its first outright Atlantic 10 regular-season championship since the 1989-1990 season, the team made its 30th appearance in the NCAA tournament, during which it lost in the second round to South Florida University. But the Owls' winning streak is still impressive: From February 2009 to March 2012, they played 105 games without losing back-to-back matchups. They also achieved one of the most surprising upsets of the NCAA season, when they defeated Duke University—which lost only one other game during regular-season play. And after Duke was defeated in the postseason, Temple boasted the second-longest winning streak in the nation.

The team ignited both Owl pride and a catchphrase courtesy of Jack Fatica, *SBM '98*, and the Cherry Crusade, Temple's fervent student spirit squad. "I believe that we have won!" became Owls fans' postseason motto. To keep Temple spirits soaring, the Temple University Alumni Association and the Owl Club handed out "I Believe" T-shirts, which flooded the postseason stands.

In the first round of the Women's National Invitation Tournament, Temple women's basketball beat Quinnipiac University 75-60, and then defeated Harvard University 64-59. With a record of 23 wins and nine losses, the Owls advanced to the Sweet 16, where they faced—and fell to—Syracuse University. With an overall record of 23-10, the women's team proved to be fierce competition all season long. **MARIA RAHA**

To see the postseason spirit of Temple's fans, visit [temple.edu/templomag](http://temple.edu/templomag)

# BIG EAST, WE'RE BACK!

This fall, Temple's intercollegiate athletic programs will begin to compete in the Big East Conference.

Temple football will be a part of the conference at the onset of the 2012 season. All other sports programs will leave the Atlantic 10 Conference in 2013-2014. It is the first time in university history that all of Temple's intercollegiate athletic programs will compete in the same conference.

As a part of the Big East, all Temple men's basketball and football games will be nationally broadcast, which could be a big boost for revenue, visibility, athletic recruitment, admissions and more.

"This is arguably the greatest day in the history of Temple Athletics," says Bill Bradshaw, director of athletics. "Big East will provide a national platform in a BCS [bowl championship series] conference for our student-athletes to compete with other highly respected educational institutions." **MARIA RAHA**

Courtesy of Big East Conference



The Big East Conference welcomes Temple to its ranks with a 25-story digital billboard in Times Square.

### FAST FACTS

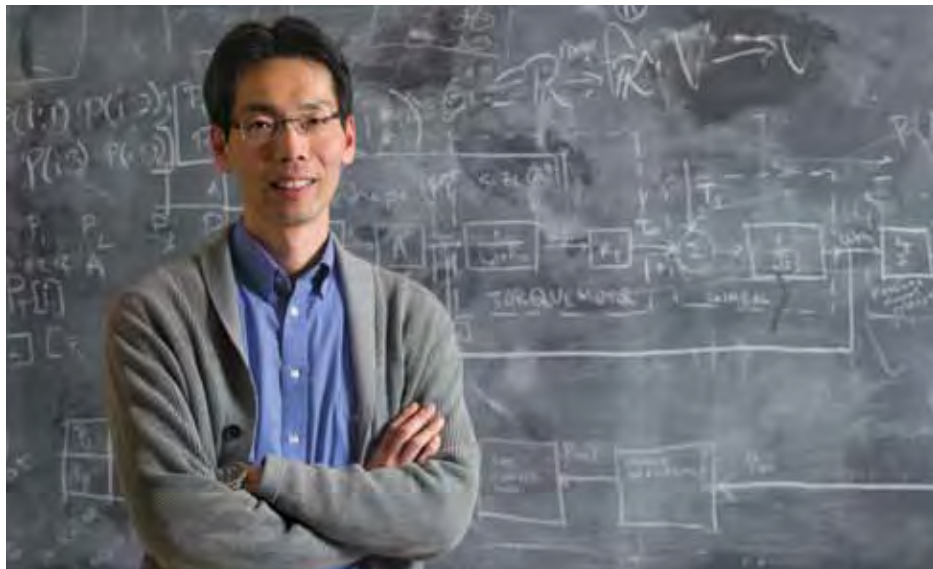
Attendance at Temple football games averaged more than **28,000** per game during the 2011 season.

This past season, the Owls scored **50 touchdowns.**

Men's basketball scored an average of **76 points** per game.

Women's basketball has competed in the NCAA tournament **9 times** since 2002.

For more information about the Owls' 2012 football season and tickets, check out the back cover!



Ryan S. Brandenberg

Chang-Hee Won, associate professor of electrical and computer engineering, and director of the CSNAP Laboratory, is developing technology to better assess the growth of tumors and lesions.

## SENSATIONAL PROTOTYPE

### FAST FACTS

Approximately **2.6 million women in the U.S.** had a history of breast cancer as of January 2008.\*\*

More than **12 percent** of women will be diagnosed with breast cancer during their lifetimes.\*

Breast cancer rates in the U.S. have been declining over the past 20 years. **Early detection is one reason for the decrease.\*\***

\*National Cancer Institute. "SEER Stat Fact Sheets: Breast." November 10, 2011. [seer.cancer.gov](http://seer.cancer.gov)

\*\*American Cancer Society. *Cancer Prevention & Early Detection Facts & Figures 2011.* [cancer.org](http://cancer.org)

Temple engineers have created a prototype device that emulates and quantifies the sense of touch necessary for medical examination.

The tactile imaging sensor was developed by Chang-Hee Won, associate professor of electrical and computer engineering. By detecting the size and shape of lesions or tumors and their elasticity and mobility, the device could aid doctors when they discover growths during examinations.

"Human hands have this amazing ability to touch something and tell if it's soft or hard, if it's wet, or even its temperature," says Won, who also directs the Control, Sensor, Network and Perception (CSNAP) Laboratory in the College of Engineering. "We're trying to emulate that tactile sensation with a device that will give us the mechanical properties of what we are feeling."

According to Won, studies have shown that cancerous lesions and tumors tend to be larger, more irregularly shaped or less elastic than those that are benign. "Using the sensor, we can determine the probability of a lesion or tumor being either malignant or benign."

The sensor can be attached to computers with cable ports. Equipped with LED lights and a camera, the device has a flexible cube on the end, into which light is injected.

The sensor keeps the light within the cube unless a lesion or tumor changes the contour of its surface, in which case, the light will reflect out of the cube.

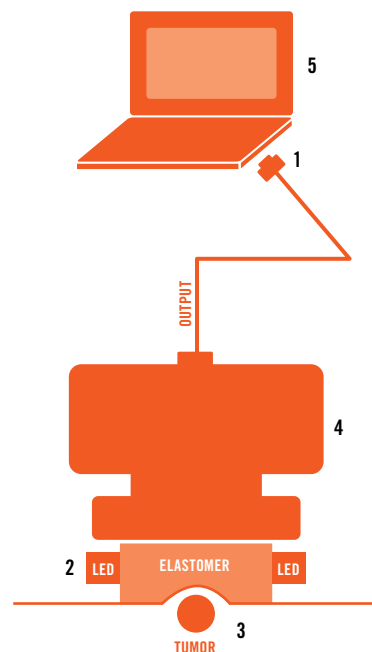
The camera then captures the images caused by the reflected light. They are processed with an algorithm that calculates a growth's mechanical properties.

"Most primary physicians' offices are not equipped to perform tests such as mammograms," Won says. "With this kind of information, they can decide whether to monitor a growth or send the patient to a specialist or a hospital for a more definitive diagnosis." **PRESTON M. MORETZ, SCT '82**

*The School of Medicine attracted **\$125.7 million** in National Institutes of Health grants in 2011, averaging \$261,300 per faculty member.*

*Only Stanford (\$391,000 per faculty member); University of Chicago (\$328,100); Yale (\$313,700); and University of California, San Francisco (\$271,300) beat Temple in average grant support.*

## INSIDE THE TACTILE SENSOR



### HOW IT WORKS

1. The handheld sensor is attached to a computer through a firewire port.
2. The light is injected into the flexible and transparent elastomer, located at the end of the sensor. The elastomer touches and compresses the tissues, shining light on them.
3. If the sensor encounters a lesion or tumor—something that changes the contour of the elastomer during compression—the injected light reflects out of the cube.
4. A camera then captures the images caused by the reflected light.
5. Multiple images of the tumor are taken and then processed to estimate its size, mobility and elasticity. Malignant tumors tend to be bigger, less mobile and stiffer than those that are benign.



# TEMPLE'S RANKINGS RISE

Temple ascended the ranks in the 2013 edition of *Best Graduate Schools* by *U.S. News & World Report*.



The full-time MBA program in the Fox School of Business climbed **11 spots to No. 52** in the nation.



The Tyler School of Art earned a **No. 13 rank of 213** fine-arts schools, the highest among Philadelphia-area schools of its kind.



The Beasley School of Law advanced three spots to **No. 58 in the U.S.**, maintaining its position as the second-ranked law school in Pennsylvania.



*U.S. News* also ranked Temple's School of Medicine **No. 47 in the nation** in research, the second-highest rank among Philadelphia's many medical schools.

# BEST IN SHOW!

The Department of Landscape Architecture and Horticulture won "Best in Show" for its Hawaiian-themed exhibit in the 2012 Philadelphia International Flower Show, *Aloha 'āina: A Return to Life with the Land*. The exhibit included an 18-foot mountain, a 15-foot shade structure and 1,500 plants from approximately 100 different species.

## FAST FACTS

Temple has been named "Best in Show" 12 times—in 1987, 1989, 1990, 1991, 1993, 1997, 2002, 2003, 2005, 2007, 2010 and 2012.



The Department of Landscape Architecture and Horticulture's award-winning exhibit in the 2012 Philadelphia International Flower Show focused on Hawaiian flora and sustainability.

*"I hope my work contributes to making the world a better place."*

—FIONA OTWAY, FILM AND MEDIA ARTS GRADUATE STUDENT AND ACADEMY AWARD NOMINEE



Courtesy of Darlun Dennis

Marines serving with Echo Company, 2nd Battalion, 8th Marine Regiment, carry an injured soldier in *Hell and Back Again*, the documentary for which a Temple graduate student earned an Oscar nomination.

# FROM OWL TO OSCAR

This year, a film and media arts graduate student managed to balance her courseload with a professional film-editing job—and earn an Oscar nomination.

Fiona Otway edited *Hell and Back Again*, a documentary that follows 25-year-old Sgt. Nathan Harris as he tries to return to everyday life after experiencing the brutality of war.

As the film's editor, Otway was responsible for whittling down the story from 100 hours of raw footage to 88 minutes.

She spent 10 years in the filmmaking industry before accepting a fellowship at Temple. Trading in her full-time career for books and study time gave her an opportunity to focus on her work, she says.

The excitement of being honored for a national award is nothing new to Otway, who was awarded the first-ever prize for "Best Documentary Editing" at Sundance Film Festival for *Hell and Back Again*.

"We live in a world of fascinating complexity, and stories that express nuance not only help us understand ourselves better, but also help us reflect on our relationships with each other," Otway says. "Ultimately, I hope my work contributes to making the world a better place."

JAZMYN BURTON

## FUN FACTS

Fiona Otway joins numerous Owls who have worked behind the silver screen, including:

Richard Brooks, *SCT '32*, screenwriter, six-time Oscar nominee and director of *Cat on a Hot Tin Roof* and *In Cold Blood*. He worked on 47 films throughout his career.

Darcy Antonellis, *ENG '84*, president of technical operations at Warner Bros.

Lynda Foote, *SCT '84*, costume supervisor for dozens of Hollywood films, including *Mystic River*, *Million Dollar Baby* and *The Amazing Spider-Man*.

# TUAA NEWS

*Thousands of Owls got VIP treatment during the Temple University Alumni Association's Alumni Weekend 2012.*



TUAA board member Leonard Mellman, CLA '49, pitched in as an Alumni Weekend volunteer.

Strutting down the Cherry carpet. Savoring a tasting at restaurateur Stephen Starr's Route 6. Morning yoga, followed by an afternoon visit to a beer garden. Spending Saturday night with Grammy award-winning recording artist John Legend at the Liacouras Center.

Thousands of Owls reveled in VIP treatment at more than 45 outings, tours, performances, lectures and parties—including a universitywide street fair and a live concert—during the Temple University Alumni Association (TUAA) Alumni Weekend 2012, April 20-22. No matter what the event, Alumni Weekend 2012 exemplified the adventurous, distinct spirit that defines Temple, as evident today as it was 50 years ago—when the Reunion Class of 1962 populated campus—and 25 years ago, when the Reunion Class of 1987 were students.

For more event photos and videos, visit [myowlspace.com/alumniweekend](http://myowlspace.com/alumniweekend).

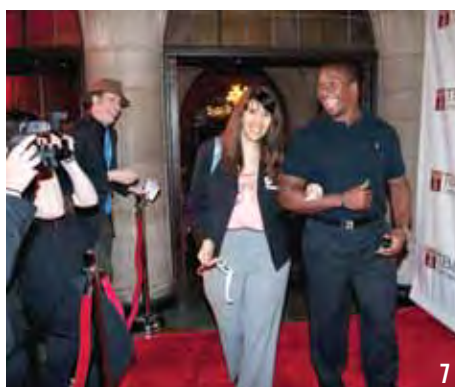


1. Paint the Town Cherry Week spread Temple pride citywide. Buildings and landmarks, including the fountain in Franklin Square, were lit in Temple cherry. 2. Eighties pop music filled Temple Performing Arts Center while members of the Class of 1987 rued their college fashion sense and shared their favorite "you know you went to Temple if..." moments during the 25th Reunion. 3. Alumni served the community while learning about herbal remedies at the Temple University Health Sciences Medicinal Garden at the corner of Broad and Venango streets. 4. As a part of the TempleDelphia experience, meteorologist David Murphy, SCT '85, predicted the weekend's sunny skies during a behind-the-scenes tour of WPVI 6ABC.

Photograph above: Ryan S. Brandenburg

Photographs 1, 5: Betsy Manning; 2, 8: Joseph V. Labolito; 3, 4, 6: Ryan S. Brandenburg; 7, 9: Dan Z. Johnson





5. The Owls' next generation of fans was treated to story time at the Street Fair. 6. With more than 45 events across Philadelphia, Hooter was one busy Owl. 7. Temple "paparazzi" photographed guests as they arrived at Mitten Hall for Rolling Out the Cherry Carpet, the weekend's opening reception. 8. The 50th reunion class presented Temple more than \$436,000 to support university initiatives, and created the Class of 1962 Endowed Scholarship Fund. Temple Trustee Phillip Richards, *SBM '62*, will match all gifts to the fund up to \$25,000. 9. Young alumni ate, drank and bowled until the wee hours of Saturday morning during the Young Alumni Late-Night Party in Northern Liberties.

## WISDOM FROM THE REUNION CLASSES

When asked to give guidance to current students, members of the classes of 1962 and 1987 offered advice from experience:

**"Remain centered in the now.  
Be in the present and enjoy it."**

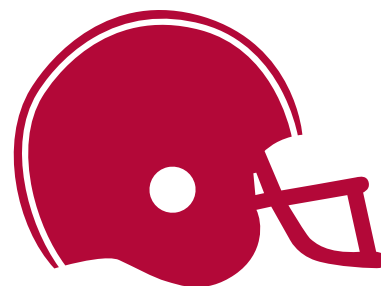
—Gwendolyn White Anthony, *EDU '62*

**"A bachelor's degree isn't enough. This is a complex world. A bachelor's degree is only the beginning."**

—Lynne Abraham, *CLA '62, LAW '65*

**"You're coming into a tough economy. Be conservative and patient. Grow and educate yourself to find what your heart really loves."**

—Vivian White, *SBM '87*



## Get in the Game!

**Homecoming 2012—complete with last year's popular Tailgate Row—takes place October 6 at Lincoln Financial Field. This year, the stakes are higher: The Owls face Big East opponent South Florida! Reserve your seats at [owlstix.com](http://owlstix.com).**

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# INDELIBLE LEGACY

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*The presidency of  
Ann Weaver Hart  
created a brighter  
future, for both  
Temple and North  
Philadelphia.*

When Ann Weaver Hart, Temple University's ninth president, stepped down June 30, 2012, after six years in Sullivan Hall, she left behind a gift greater than any building, endowed chair or scholarship. She left Temple with momentum.

Not the kind of momentum you get from a push on a swingset—we are talking Broad-Street-Line-express-train-hurting-along-the-tracks momentum. The kind that builds. The kind that *lasts*.

The years since Hart took office in summer 2006 have been marked by campus construction; the steady ascent of Temple's academic reputation; fundraising milestones; a faculty-hiring surge; the implementation of a new GenEd program; new global initiatives; the expansion of its research enterprise; new leadership and new affiliations at Temple University Health System; community engagement; massive private investment in the area surrounding Main Campus; the hiring of nationally respected athletics coaches; and, only months ago, an exciting deal that will move all of Temple's intercollegiate athletic programs to the Big East Conference.

"The most remarkable and encouraging local higher-education story of the [p]ast 15 years has been the rebirth and reinvention of Temple," Patrick Kerkstra wrote in *The Philadelphia Inquirer* one week after Hart announced her intention to step down.

"Ann Weaver Hart has been responsible for tremendous accomplishments and progress at Temple during her time as president," says Temple Board of Trustees Chair Patrick J. O'Connor.

That progress began with careful planning and a collaborative spirit. Soon after she assumed the presidency, Hart asked the Office of the Provost to oversee a university-wide academic strategic-planning initiative. Beginning in 2007, hundreds of Temple faculty, staff and students came together over the course of 18 months to create the Academic Strategic Compass, a five-year plan for the institution's academic future.

Using the Compass as a guide, the university focused on opportunities for student success, research excellence, global commitment, community engagement and the revitalization of Temple as a destination campus. The plan laid out clear goals in each area and provided annual measures in order to gauge success.

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19 U.S. FULBRIGHT STUDENTS, 7 UDALL SCHOLARS (AND 3 HONORABLE MENTIONS) AND 3 MARSHALL





*“The most remarkable and encouraging local higher-education story of the [p]ast 15 years has been the rebirth and reinvention of Temple.”*

— PATRICK KERKSTRA, *THE PHILADELPHIA INQUIRER*, SEPT. 13, 2011

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SCHOLARS ATTENDED TEMPLE DURING PRESIDENT HART'S TENURE. APPROXIMATELY **270** COMMUNITY PROGRAMS BEGAN BETWEEN 2006 AND 2012.

## 20/20 VISION

The Academic Compass soon spawned an economic planning initiative and, in 2009, the Temple 20/20 framework for campus development—a guide for a state-of-the-art living and learning environment that is currently taking shape on Main Campus. A new 50,000-square-foot home for the Tyler School of Art's Architecture Department opened in early 2012, completing a mini-arts quad in the northeast corner of Main Campus. A dramatic renovation of Pearson and McGonigle halls, a project that will revitalize the student-recreation experience and provide training spaces for Temple's intercollegiate sports, also is nearing completion. Construction is under way at the site of a new 660,000-square-foot, 26-story residential and retail complex at North Broad Street and Cecil B. Moore Avenue that will bring more than 1,200 beds, additional dining facilities and a major open landscape area to Main Campus. Plans are being completed for a new 250,000-square-foot science, education and research facility that will include new space for the colleges of Science and Technology and Engineering; a new parking garage; and more.

Temple's growth—especially the increasing number of students who choose to live on or near campus—has sparked millions of dollars in private investment in the communities surrounding Temple, benefiting students and local residents alike. New retail stores, restaurants and service providers have opened by the dozen. During Hart's tenure, the neighborhood adjacent to Main



Campus got its first supermarket in more than a decade. Critically acclaimed eateries ranging from the high end to food trucks have opened on or near Main Campus.

"Because of Temple," Kerkstra wrote, "it is no longer difficult to imagine Center City's prosperity reaching well into North Philadelphia along the Broad Street corridor."

## MORE THAN MORTAR

That momentum has manifested itself in more than bricks and mortar. The academic qualifications of new students at Temple also have improved. The average SAT score of freshmen increased sharply from 1088 in

2006 to 1114 (97 points above the national average) in 2011. Enrollment in the Honors Program has risen, and Temple students now routinely win the nation's most prestigious and competitive academic awards, including Truman, Udall and Marshall scholarships. In the past four years alone, 19 Owls have been Fulbright students—an unprecedented streak of success. All of that was accomplished while retaining the diversity of Temple's student body. In fact, today's student population includes a significantly higher percentage of students who self-identify as minorities—nearly a third—than it did 25 years ago.

Since 2006, many new, world-class interdisciplinary research centers and programs have made their debuts, including the Center for Obesity Research and Education; the Moulder Center for Drug Discovery Research; the Center for Preparedness, Research, Education and Practice; and the Public Health Law Research Program.

Under Hart, Temple has recruited more than 350 new tenured and tenure-track faculty members from the world's leading institutions—an extraordinary achievement at a time when faculty hiring at many universities has been stagnant—including global leaders such as Magid Abou-Gharbia (drug discovery research); Jeffrey Draine, SSW '90 (social work); Gary Foster, CLA '95 (obesity research); Michael Klein (chemistry); Pepón Osorio (art and art education); Selwyn O. Rogers Jr. (surgery); and others.

Hart concluded Access to Excellence, the university's first comprehensive fundraising campaign, in 2009. It raised more

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TEMPLE'S RESEARCH ENTERPRISE HAS GROWN EXPONENTIALLY BETWEEN 2006 AND 2012, WHEN **19** RESEARCH CENTERS WERE FOUNDED. SINCE 2006,



than \$380 million, exceeding both its original goal (\$300 million) and its extended goal (\$350 million). During her tenure, several of Temple's schools and colleges received the largest gifts in their histories. The Fox School of Business received \$15 million from Dennis, EDU '66, and Gisela Alter, to build Alter Hall, the school's new home. And Madlyn and Leonard Abramson gave \$10 million to the School of Dentistry. In gratitude, Temple renamed the Dental School the Kornberg School of Dentistry after Mrs. Abramson's father, Maurice H. Kornberg, DEN '21.

### THE OWL EFFECT

Temple's community engagement programs—including hiring and housing initiatives, educational support, health services, arts and cultural activities, and volunteer efforts—have grown. These efforts have earned the university the Community Engagement Classification from the Carnegie Foundation for the Advancement of Teaching.

Global initiatives also have grown during Hart's tenure. In 2010, for the first time in university history, more than 1,000 Temple students studied abroad during one academic year, capping a period of explosive growth in scholarship overseas. New international opportunities and exchange programs were launched in Europe and Asia, and articulation agreements with more than one dozen international universities were established. In addition, new related programs were created, such as the Ann and Randy Hart Passport Scholarship and the Diamond Ambassadors Program, which provides eligible students with \$2,500 grants to help them fund studying at a Temple campus in Italy or Japan, or at any of Temple's other program locations around the world.

In 2011, Hart brought leadership, stability and energy to Temple's healthcare enterprise when she appointed Larry R. Kaiser senior executive vice president for health sciences, dean of the School of Medicine and chief executive officer of Temple University

Health System. Kaiser quickly recruited high-profile physician-scholars and signed game-changing affiliation agreements, including one with the prestigious Fox Chase Cancer Center—a move that will enhance cancer research and patient care in the region for years to come.

Temple's flagship athletics programs are experiencing a national renaissance. After a long drought, Temple football has had two consecutive winning seasons and played in its first bowl game in three decades in 2009 before winning the Gildan New Mexico Bowl in 2011. Temple men's and women's basketball have won conference titles and become fixtures in the NCAA tournament. All three programs are led by coaches hired under Hart (Steve Addazio, Fran Dunphy and Tonya Cardoza, respectively). The ultimate endorsement of the success of Temple Athletics came when the widely televised Big East Conference extended an invitation to Temple football for 2012 and the rest of the university's athletics programs in 2013-2014, when all Owls teams will compete in the same conference for the first time in university history. Now, all Temple football and men's basketball games will be nationally televised, positively affecting university revenue, athletic recruitment, admissions and more.

For alumni and long-tenured employees, it is easy to see what has changed at Temple since Hart arrived in 2006. But can current students sense a difference?

"Absolutely, yes," says former Temple Student Government President Colin Saltry, SBM '12. "When students walk around campus, the sense of momentum is palpable. The academic reputation has grown. Temple research is on the rise. The place looks great.

"When we look back five or 10 years from now, we're going to find a boatload of Temple grads who'll say they were proud to be here at this time," he continues. "The future is going to be amazing." ■



Left, top to bottom: Ann Weaver Hart shares in Hooter the Owl's Temple pride; President Hart stands in front of the Great Wall of China during her trip to Asia in 2007; President Hart and University of Pittsburgh Chancellor Mark Nordenberg testify on behalf of state funding for higher education in Harrisburg in 2011. Above: President Hart welcomes students back to campus in 2010. *Photography by Joseph V. Labolito, except page 14, middle, by Ryan S. Brandenberg.*

TEMPLE HAS SIGNED MORE THAN **200** PARTNERSHIP AGREEMENTS WITH **112** INSTITUTIONS IN **37** COUNTRIES, FROM COSTA RICA TO KUWAIT.



# WEIRD SCIENCE

TEMPLE PROFESSORS TEACH SCIENTIFIC PRINCIPLES  
THROUGH THE LENS OF SCI-FI AND DISASTER FILMS.

STORY BY GARY M. KRAMER, *SBM '05*









#### MYTHBUSTERS

Whether disasters on film are natural—such as tsunamis and volcanoes—or manmade, like nuclear bombs, moviegoers tend to retain expectations about such events. For example, Weeks Chair in Environmental Geology Jonathan Nyquist notes that when viewers watch a volcanic eruption, they assume that lava always moves at a flood-like speed. But different kinds of volcanoes produce lava of varying thicknesses.

When it comes to action sequences, stunts, special effects and explosions in Hollywood movies—from volcanoes and earthquakes in the end-of-the-world film *2012* to nuclear explosions used to save the world from doomsday in *Armageddon*—most viewers wonder, “How did they do that?”

But when Temple professors Leroy Dubeck and Jonathan Nyquist see science presented on the silver screen, such eye-popping scenes usually prompt them to ask, “Why did they do that?” instead.

Leroy Dubeck, professor of physics, and Jonathan Nyquist, Weeks chair in environmental geology, respectively teach *How Things Work: The Physics of Everyday Life* and *Disasters: Geology vs. Hollywood*, two courses that explain scientific principles to non-majors. Both classes debunk myths about everything from global warming and the greenhouse effect to natural disasters, such as earthquakes and tsunamis.

Examples from action, sci-fi and disaster films illustrate scientific principles. For example, global warming may cause the polar ice caps to melt, but the idea that the event would flood Earth—as the premise of *Waterworld* suggests—just does not hold, well, water. “There’s not enough ice in the caps to cover all the land,” says Nyquist, a geophysicist.

#### EVEN YODA WAS WRONG

Dubeck, a longtime film buff, started using examples from films in his classes when he witnessed the popularity of *Star Wars*. However, even that sci-fi classic maligned a few principles of physics, such as telekinesis

and the sounds of zooming, soaring ships as they plunge through space.

The law of conservation of energy proves that minds do not produce enough energy to move objects, Dubeck says. “You cannot get energy from nothing—you can only transform energy from one form to another, or transfer it between objects.” In *Star Wars*, Yoda moves a weighty spaceship with his mind, which violates the law of conservation of energy.

Likewise, there is no air in space to transmit sound. “Sound waves move in air by compressing air molecules. No molecules, no sound transmitted,” Dubeck confirms. Or, to cite the famous movie tagline for *Alien*, “In space, no one can hear you scream.”

#### GETTING A KICK OUT OF TERMINATOR

Dubeck believes that showing films can captivate pupils. He uses cinema to make science “more relevant and interesting” to students who tend to remember scientific ideas more successfully with cinematic examples.

He illustrates the law of conservation of momentum, which reads, “If one object exerts a force on a second, the second exerts an equal and opposite force on the first.”

Dubeck applies this theory to gunplay in film. “If a gun pushes the bullet forward, the bullet pushes back on the gun, which is why recoil occurs. The more powder there is in the bullet, the more recoil. That’s reality.”

He points to the *Terminator* series, which relies heavily on gunfire. “When you see the bullet hit someone, the impact knocks them down. But there is never recoil!”

Dubeck rejects the idea that the character of the larger-than-life Terminator is so big



GLOBAL WARMING MAY CAUSE THE POLAR ICE CAPS TO MELT, BUT THE IDEA THAT THE EVENT WOULD FLOOD THE EARTH—AS THE PREMISE OF *WATERWORLD* SUGGESTS—JUST DOES NOT HOLD, WELL, WATER.

and strong, he could “resist” the force of the recoil. And when the Terminator is later knocked down by a gunshot, the human who shoots the robot does not experience recoil, either.

“In class, I compare that scene to a video of real guns—a Colt .38 and a sawed-off rifle,” Dubeck says. “The kick is enormous—you can’t hold the gun! In the movies, the human saws it off and knocks the Terminator down and he doesn’t recoil at all.”

#### HEADED RIGHT FOR US

But Hollywood is not always wrong. Dubeck is impressed that the disaster film *Deep Impact*—about a comet heading toward Earth—is “actually quite accurate.”

“A comet 7 miles wide, seen two years before impact, is plausible,” he explains. “When [those chasing it] land on the comet, there is no gravity. Their attempt to destroy it with nukes fails—they just split it in two. The smaller comet piece falls into the sea and creates a tsunami.”

The tsunami is caused because a comet the size of the one depicted in *Deep Impact* would release “energy equal to millions of Hiroshima-sized atomic bombs. That energy would be released, in part, as a pressure wave through the oceans,” Dubeck notes. Therefore, the energy would be great enough to displace sufficient amounts of water to generate giant tidal waves hundreds or thousands of feet high, as shown in the film.

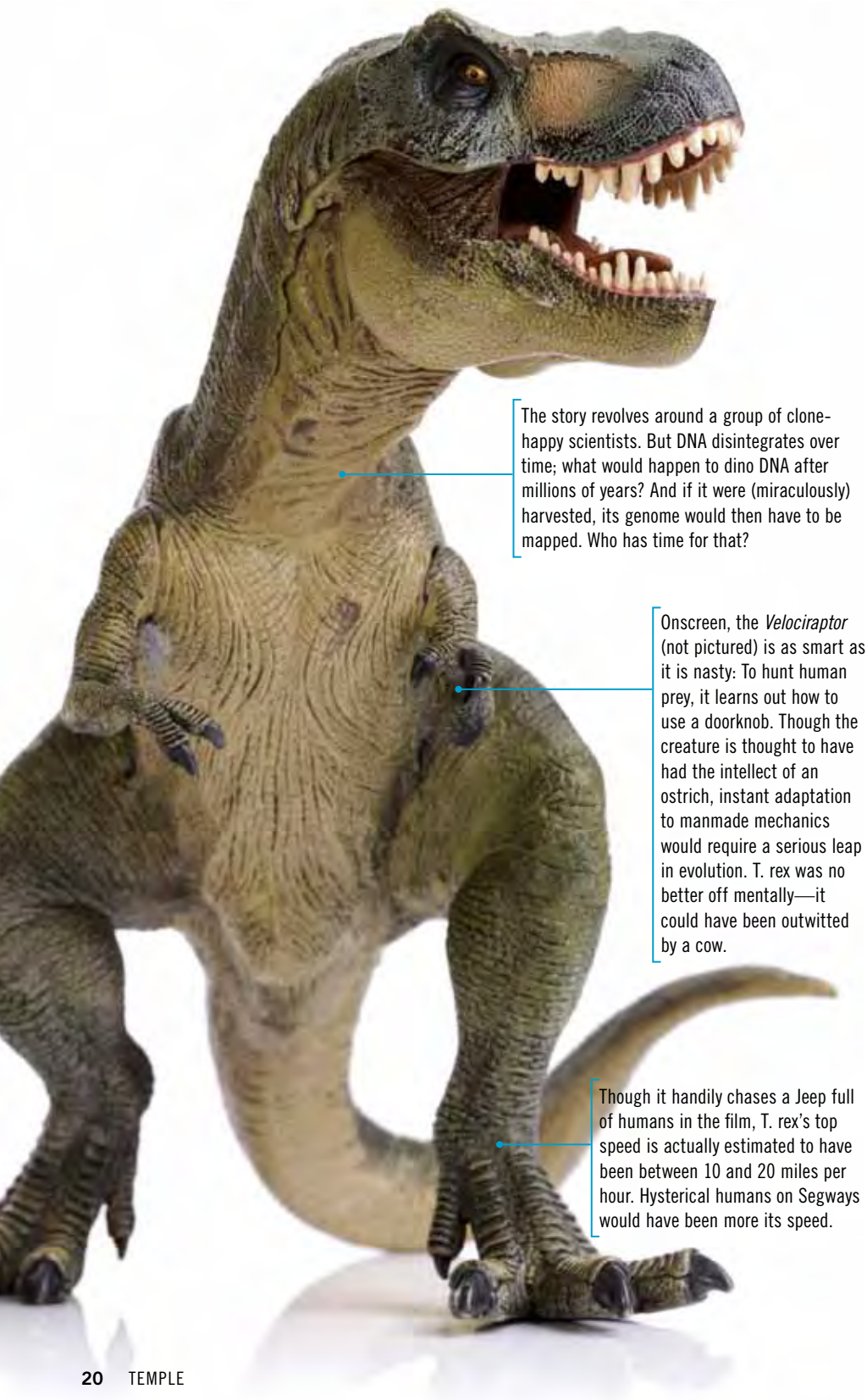
But some moments in *Deep Impact* favor visual appeal over accuracy. “The surfaces of comets have very low reflectivity—like a black carpet,” Dubeck says. “All you would



“2012” Courtesy of Columbia Pictures

## TYRANNOSAURUS WRECKS

Though *Jurassic Park* enraptured audiences with cloned dinosaurs stalking curious humans, a little scientific knowledge\* recasts the films' bloodthirsty hunters as creatures about as threatening as the Muppets.



The story revolves around a group of clone-happy scientists. But DNA disintegrates over time; what would happen to dino DNA after millions of years? And if it were (miraculously) harvested, its genome would then have to be mapped. Who has time for that?

Onscreen, the *Velociraptor* (not pictured) is as smart as it is nasty: To hunt human prey, it learns out how to use a doorknob. Though the creature is thought to have had the intellect of an ostrich, instant adaptation to manmade mechanics would require a serious leap in evolution. T. rex was no better off mentally—it could have been outwitted by a cow.

Though it handily chases a Jeep full of humans in the film, T. rex's top speed is actually estimated to have been between 10 and 20 miles per hour. Hysterical humans on Segways would have been more its speed.

see is black. Sunlight would not be reflected from the surface as seen in the film. You can't see black in the movies, so they make it much lighter than it is. Viewers have to see it."

In his class, Dubeck contrasts *Deep Impact* with the aforementioned *Armageddon*, a film he admonishes for its "laughable" physics. Yet he uses *Armageddon* to assign research projects, such as plotting the trajectory of a near-Earth asteroid and calculating its value and probability employing the Torino impact hazard scale. (The scale is used by NASA to predict the possible impact threat of asteroids and comets.)

"It would take the simultaneous detonation of 10,000 atomic bombs to destroy the asteroid in *Armageddon*," he says. "Often, movies will take five minutes of screen time to solve a scientific problem that would take 500 years in real time."

Dubeck aims to teach his students the laws of physics so they can better understand the world in which they live. "I want them to learn more about the universe and the way things work, and look critically at the information they get from mass media," he says. "Most of them get their information from media, not scientific papers. If they learn to be more critical, that will be with them for the rest of their lives."

## EARTHQUAKES ARE PREDICTABLE

Nyquist also wants his students to keep reading about the topics he presents in class, so they can "read between the lines" and be educated about the next earthquake.

Nyquist says that one fallacy students often believe is that during earthquakes,



the Earth breaks apart and sucks the landscape and its inhabitants into fault lines. “Earthquake faults don’t do that,” he notes. “That’s a classic Hollywood cliché.

“Part of California is on a separate plate,” he explains. “It is sliding past the North American plate, but it is not going to fall into the ocean. It’s on continental crust, which is buoyant and floats on the mantle material below it. When two continents collide, neither one of them sinks; instead, the result is something like the Himalayas. California is not going to get sucked underneath.”

Nyquist uses those geological principles to get students thinking about quakes and, more importantly, how to prepare for and even predict them.

“Earthquakes kick out waves. ‘P waves’—primary waves—come first, but don’t do much damage. The ‘S waves,’ or secondary waves, are next; they shake things up. The P wave travels faster. When the P wave hits, you know the S wave is coming.”

In Hollywood films, earthquakes almost always happen without warning, Nyquist notes. He is amazed at how sloppy Hollywood is about details. In the film *The Core*—about a nuclear bomb deployed by a team of scientists, government officials and military officers—a ship tunnels through solid rock.

“The filmmakers wanted the ship to have a window,” Nyquist recalls, positing that viewers needed to see what the ship’s crew was seeing and doing. “But the whole ship would break under the geologic pressure near the core.” A window would melt, so the writers “solved” the problem of showing the action by using an invented metal called



Professors Jonathan Nyquist (left) and Leroy Dubeck debate the scientific merits of sci-fi, disaster and action films.

## “IT WOULD TAKE THE SIMULTANEOUS DETONATION OF 10,000 ATOMIC BOMBS TO DESTROY THE ASTEROID IN *ARMAGEDDON*.”

— LEROY DUBECK, PROFESSOR OF PHYSICS, COLLEGE OF SCIENCE AND TECHNOLOGY

“unobtainium” that could withstand the heat and pressure.

While writers and directors sometimes come up with interesting solutions to scientific problems, sometimes they simply take chances. Consider how disaster movies depict volcanoes. Nyquist expresses his exasperation: “They take everything a volcano can do and throw it into one disaster.”

He goes on to explain why this is wrong. “Volcanoes come in different types. Stratovolcanoes, like Mount St. Helens, are found along coastlines. They are more explosive than shield volcanoes, which are common in Hawaii and erupt almost continuously. Shield volcanoes don’t erupt the way Mount St. Helens erupts. Hawaiian lava is less viscous, so it flows more easily, which reduces the pressure buildup and chance of an explosive eruption. Mount St. Helens has high-viscosity magma, so its lava does not flow easily. When Hollywood creates a volcano, it does all those things.”

He continues, shaking his head. “Look at *Dante’s Peak*, about a dormant volcano that wreaks havoc: It’s an explosive volcano and it has lava flows. Audiences expect that. If there are no lava flows, it doesn’t seem right.”

Scenes like these might endanger Nyquist’s—and his colleague Dubeck’s—suspension of disbelief, but he certainly understands why directors do it. “You want a lot of special effects, so you have to draw the action out. These movies are roller-coaster rides. You go for the thrill, and not for the science. And, it’s easy to root for the heroes when the bad guy is nature.” ■

*Gary M. Kramer, SBM ’05, is a Philadelphia-based freelance writer whose work appears regularly in numerous magazines and journals. He also is publicity manager for Temple University Press.*

\*Sidebar information about DNA and speed: University of California Museum of Paleontology, [ucmp.berkeley.edu](http://ucmp.berkeley.edu).



# LIFE AND LIMB



***Though amputation is often viewed as a common risk of diabetes, a group of Temple doctors saves limbs instead.***

BY ILENE RAYMOND RUSH

ILLUSTRATION BY JON KRAUSE, TYL '99

Last year, 64-year-old Hugh Green noticed that a bruise on his left foot was starting to swell. A former tractor-trailer driver saddled with diabetes, heart disease, kidney problems and cancer, Green had lost part of his right leg already. Now he had to worry about losing his left.

"There was a problem with blood getting to the foot," Green says. "The blood wasn't making it to the toes."

Unfortunately, by the time he sought care at Temple University Hospital (TUH), his toes were a lost cause. But a bigger question loomed: Was there hope for the rest of his foot?

Green's problem is one that Director of Vascular Surgery Eric Choi often encounters at TUH. When he arrived at Temple about two years ago, he noticed a high number of young people with diabetes who were

scheduled for leg amputations. Saddened by the thought of "promising futures marred by missed opportunities," Choi devoted himself to treating the problem.

Diabetes is often to blame for amputations—it can wreck blood vessels and cause circulation problems. Approximately 26 million people in the U.S. have diabetes, and about 65,000 had lower limb amputations in 2006, according to the most recent data available from the American Diabetes Association. A 2012 study from the Centers for Disease Control and Prevention found that among people with diabetes, African Americans had higher amputation rates than Caucasians (approximately five per 1,000, versus three). Adults aged 75 years and older had the highest rate—about six per 1,000—compared to other age groups.

Choi wondered how many amputations might be avoided with earlier intervention.

"Patients don't always know where to get treatment for these conditions," he says. "They often go from specialist to specialist, losing valuable time in the process. There isn't always a lot of coordinated care [among different specialists], which is important, since patients sometimes balance a number of conditions including diabetes, heart disease, kidney disease and complications from smoking."

Choi knew Temple had the resources on staff to intervene and possibly prevent some amputations, but he also knew those resources were scattered across departments, from Endocrinology to Podiatry. What if they worked together to offer patients quick and comprehensive care? Could they possibly begin to reduce the number of amputations Choi was witnessing in TUH?







*Choi noticed a high number of young people with diabetes scheduled for leg amputations. Saddened by the thought of “promising futures marred by missed opportunities,” he devoted himself to treating the problem.*

His questions spurred the creation of the Temple Limb Salvage Center in March 2011. It is the first program in the region to offer a limb-saving model of focused comprehensive care.

#### URBAN SALVAGE

Philadelphia is an apt place for the center. Not only is the city plagued with high rates of diabetes, smoking and obesity, but amputation rates for men are four times higher in the city than they are in nearby Montgomery County, Pa., according to Ronald Renzi, a podiatrist at Abington Memorial Hospital who recently studied regional amputation rates. This comes as no surprise to Choi, who points out that rates of diabetes are two to three times higher in Philadelphia than in other parts of the country.

“The diabetes problem in Philadelphia is multifactorial,” Choi says. “Factors include high obesity, heredity, poor eating habits and lifestyle choices, lack of access to health-care and lack of resources in general.”

To combat this epidemic, Choi has formed a high-powered, multidisciplinary team of doctors who specialize in vascular surgery, podiatry, diabetology (a subgroup of endocrinology focused on diabetics), cardiology, plastic surgery, orthopaedic surgery, radiology, physical therapy and orthotics (devices that support or correct limb function).

Patient care depends on the severity of the problem. For simple injuries, such as a foot ulcer that has not healed, a podiatrist will examine the foot. If a patient has significant circulation problems, the podiatrist can call in a vascular surgeon. If anything else needs

to be taken care of—such as removing debris from a wound—it also is handled within one or two visits.

More complicated problems—such as wounds that have not healed in a year or longer—require more information from prior records, gathered during the first visit. Once the patient’s problem and medical history have been established, relevant specialists are brought in, such as diabetologists, cardiologists or plastic surgeons. When all the nuances of the case are covered, the group discusses treatment with the patient. All this activity takes place at the same location.

“Obviously, we can treat patients with multiple specialists during multiple visits,” Choi says, “but we expedite the process so that all the tests and meetings with doctors occur within the first or second visit. That makes all the difference, since we don’t have to ask patients if they saw a certain specialist, or if they have had a specific test. Everything is done right here.”

If surgery is needed, the center tries to schedule two or three procedures at a time to avoid multiple hospital stays.

In addition to using methods to open blocked arteries and improve blood flow to damaged tissues, Choi is researching a new process called therapeutic angiogenesis. That therapy stimulates bone marrow to create stem cells. The enhanced bone marrow is then injected into a patient’s leg to grow new blood vessels and improve blood flow.

“That is important,” Choi says. “Many of the problems with these patients involve diabetes or peripheral artery disease [common in smokers], both of which damage blood vessels.”

#### SAVING GAIT

Hugh Green was diagnosed quickly when he visited the Limb Salvage Center to discuss his rapidly deteriorating foot. Once a treatment assessment was made, he entered TUH for an operation that involved a vein bypass graft to restore circulation to his damaged limb. Without Choi’s help, Green might have arrived at TUH for an amputation instead. In fact, his case had already been deemed a “lost cause” by another major medical center on the East Coast.

“The care I had for my left foot was very different than I had for my right,” Green says. While he was recovering from surgery in TUH, several doctors from the center, including physical therapists, diabetologists and cardiologists, visited him daily. The doctors not only focused on his foot, but also attended to the many conditions that had contributed to his injury.

“They were proactive from the start,” he says. “The morning after the surgery, a therapist said, ‘You have to get up and sit in a chair.’” He laughs. “And here I thought I was in the hospital to get some rest.”

Nine months later, Green is still learning to balance on his salvaged leg, but is able to walk around his home without a walker. To prevent future problems, his doctors have taught him how to monitor his diabetes more closely. He now regularly checks his blood sugar before each meal and makes an effort to go outdoors in his wheelchair for exercise, which can help to lower glucose rates.

“I’ve finally gotten my diabetes under control,” he says.





## FORWARD, MARCH

In May 2011, Beverly Rathemore arrived at the center in a wheelchair. Her foot was encased in a walking boot, but in an effort to keep pressure off a bedsore, she had stopped walking. Though she had previously received wound-care treatment in her former home in New Jersey, the foot had never healed. Rathemore's immune system also was compromised, from pancreatitis and other serious ailments. When she relocated to live with her daughter in Philadelphia, her primary doctor referred her to Choi.

"When the Limb Salvage Center heard about my case, they said they would see me the next day," Rathemore says. "At the hospital, Dr. Choi and two other doctors looked at my heel and discussed it with the team. It was a very deep wound."

The doctors decided to put in an iliac stent—a small, self-expanding tube placed in an artery to treat peripheral artery disease—and performed a procedure to clear out plaque in the vein to prevent further blockage. By opening up the circulation pathways, doctors at the Limb Salvage Center were able to save her foot.

During the summer, she paid regular visits to the center, and a visiting nurse came to her house to tend to the wound.

By August, it had healed enough for her to decide to abandon both the boot and the wheelchair. "Now, I'm not only walking," she laughs, "I'm on the verge of trotting." ■

*Ilene Raymond Rush is a freelance writer who lives in Elkins Park, Pa. Her work has appeared in numerous regional and national publications.*

## TEMPLE BATTLES AN EPIDEMIC

Instances of diabetes are two to three times higher in Philadelphia than in other parts of the U.S. At Temple, the School of Medicine is working to decrease that statistic dramatically.

**Guenther H. Boden**, Laura H. Carnell Professor of Medicine in the Section of Endocrinology, Diabetes and Metabolism, has found deficiencies in cell function in the tissues of overweight and obese patients. Those cells produce proteins that can lead to insulin resistance, which increases the risk of diabetes. He also studies how high levels of blood sugar and insulin affect blood coagulation, which could explain the link between diabetes and high blood pressure.

**Gary D. Foster, CLA '95**, director of the Center for Obesity Research and Education, and professor of medicine and public health, examines the connection between excess weight and diabetes, particularly in children. Foster and his team found that simple interventions, such as offering healthful cafeteria food, can help decrease the risk of diabetes in that group.

**Matthew O'Brien**, assistant professor of public health in the Center for Obesity Research and Education, and assistant professor of medicine, focuses on diabetes prevention in Latinos. Through his community health center, *Puentes de Salud* ("Bridges to Health") in South Philadelphia, he studies how culturally sensitive materials

about health and lifestyle changes can help prevent diabetes in Latinos, whose rates of the disease are nearly double those of Caucasians.

**Daniel Rubin**, assistant professor of endocrinology, attempts to improve diabetic outcomes by studying how clinical practices treat the disease. Recently, he established a dosage threshold for insulin that balances blood-sugar levels without leading to low blood sugar.

**Elias S. Siraj**, associate professor of medicine, director of the Diabetes Program and program director of the Endocrinology Fellowship, and **Henry Parkman**, director of the GI Motility Laboratory, director of the Clinical Research Unit, chair of the Research Committee and professor of medicine, examine the use of an insulin pump and a glucose-monitoring device to improve blood glucose control in diabetic patients who suffer from gastroparesis, a breakdown in the stomach muscles.

**Kevin J. Williams**, section chief of Endocrinology, Diabetes and Metabolism, professor in the Cardiovascular Research Center, and professor of medicine and physiology, focuses on the link between diabetes and atherosclerosis (hardening of the arteries). He recently co-authored a study that found that an abnormal molecular function in the blood might cause the insulin production related to type 2 diabetes.



Eric Choi (left), director of the Limb Salvage Center at Temple University Hospital, and doctors including Andrew Meyr, *POD '06* (right), collaborate on patient care to minimize amputations.

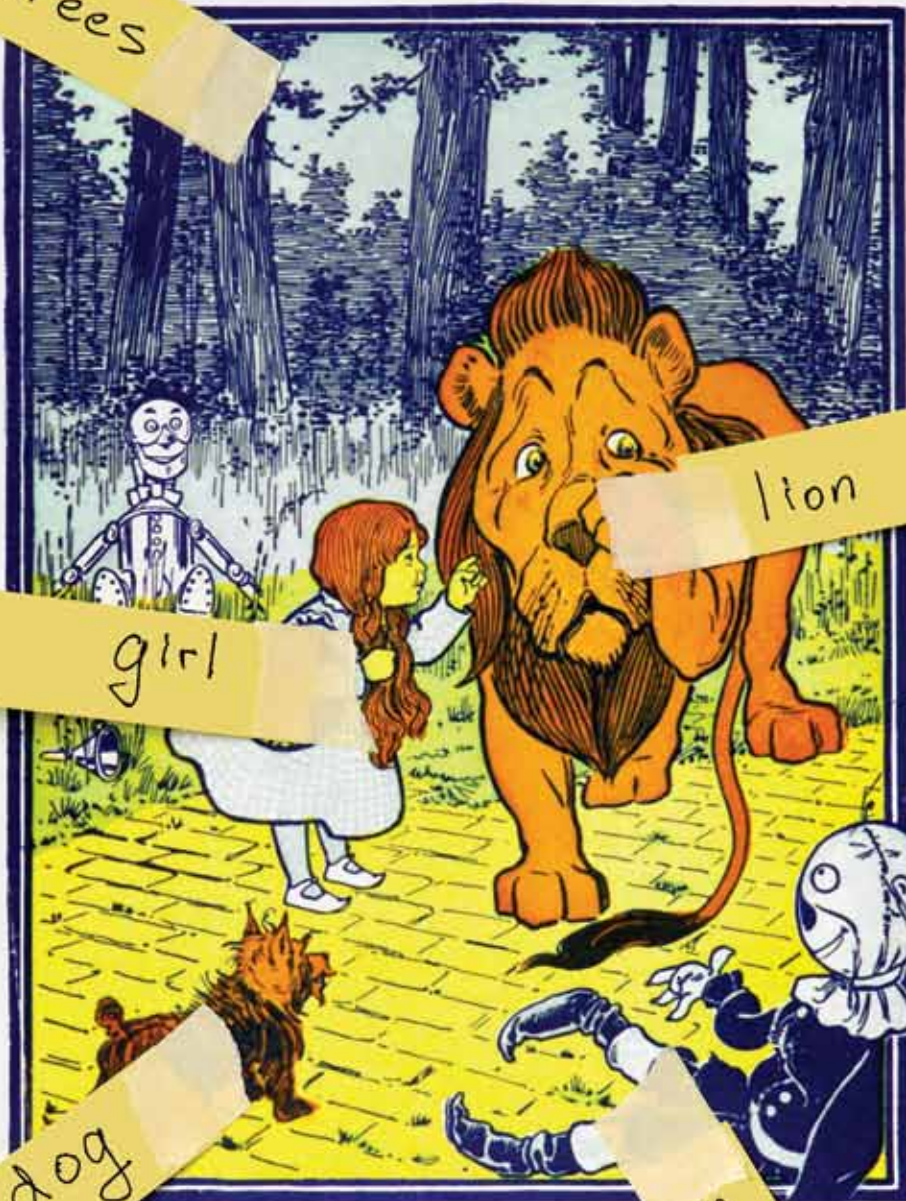
trees

lion

girl

dog

scarecrow





# Small Talk

*Techniques as simple as encouraging conversation in preschool promote long-term academic success.*

STORY BY **KIM FISCHER, CLA '94**

PHOTOGRAPHY BY **RYAN S. BRANDENBERG** AND **JOSEPH V. LABOLITO**

ILLUSTRATIONS BY **ROBERT FRAWLEY**

**“D**oes anyone know what a ‘herd’ is?” Trinette Ingram, a teacher at the St. Paul Community Head Start center in Baltimore, asks a group of 3- and 4-year-olds as she points to a picture on the cover of a book.

“A group!” Rashon shouts proudly.

“Yes, it’s a group of animals,” Ingram explains.

The lively conversation continues as she reads the book aloud. “What is a ‘flamingo?’ What is a ‘flock?’ Who knows what ‘investigate’ means?”

The children respond quickly.

“And when a baby elephant gets separated from its mother and herd,” Ingram asks, “what do you think the elephant feels?”

She points to the book’s illustrations, defines words and concepts, and asks open-ended and follow-up questions to extend conversations with her students. Such seemingly simple techniques could be the key to

improving young children’s reading comprehension, a foundation for later academic excellence. They also are the direct results of research by Barbara Wasik, literacy expert and Temple professor of early education.

## ALL TALK

Wasik has discovered that exposure to rich language early in life sets children up for academic success or failure long before they enter a classroom. There is sound evidence that a strong vocabulary is linked to higher reading scores and therefore, better comprehension and long-term success in school. For example, a 2010 study followed public-school students from third grade through high school. The study found that students who exceeded their reading grade level in third grade were more likely to enter college, and that third-grade reading levels correlated with reading skills in eighth grade.\*

But most students are not reading at levels that would predict sufficient academic progress as they grow. According to the National Assessment of Educational Progress, on average, 25 percent of the nation’s children cannot read at basic levels of proficiency by fourth grade. But among children living in poverty—based on an annual income below \$22,000 for a family of four—that number jumps to 50 percent. The U.S. Department of Education also has found that children from low-income households enter kindergarten with foundational reading skills that are a full standard deviation below their middle-income peers.

Gaining vocabulary is particularly challenging for children living in poverty: Research shows that those children have fewer conversations with linguistically skilled adults, restricting their opportunities to use and hear language.



Barbara Wasik, a researcher in the College of Education, sharpens the vocabulary of a student enrolled in the North Philadelphia Head Start program.

“Children learn new words by being exposed to language in meaningful contexts, and by having to use language in purposeful and functional ways,” says Wasik, PNC Endowed Chair in Early Childhood Education at Temple. When children do not have context for the words they learn, they have a lower capacity for comprehension and vocabulary skills.

School does not necessarily compensate for the limited vocabulary such children might encounter at home. A recent study concluded that 4-year-olds enrolled in Head Start—comprehensive services for children living below the poverty threshold—spend a startling 59 percent of free-play activity in silence. Further, the high school dropout rate for low-income students is double that of youth from middle-income families, according to the National Center of Education Statistics.\*\*

So Wasik focuses on early language development in Head Start programs. Active student-teacher exchanges are at the core of her work, designed to enrich preschoolers’ vocabulary and improve their ability to read and comprehend in elementary school and beyond. Wasik’s early-intervention approach helps level the playing field for children from low-income families, providing them with more early opportunities to build a better vocabulary and increasing their chances to progress through elementary school and high school successfully.

In the preschool classrooms where Wasik says vocabulary foundation begins, teachers usually talk much more than they converse—a result of the need to retain control of classes that are often overcrowded.

“Imagine you have to manage 30 preschoolers each day—it’s easy to fall into a pattern of giving directions and monitoring behavior,” says Annemarie Hindman,

assistant professor of curriculum, instruction and technology in education, and Wasik’s colleague. “You may not be thinking about how to get the kids talking.”

#### THE MOUTHS OF BABES

Before joining Temple in 2006, Wasik conducted research at Johns Hopkins University in Baltimore. Initially, she was interested in tutoring first- through third-graders who were having difficulty reading at grade level. But she soon realized that even in first grade, those students lacked the vocabulary and basic language skills they needed to begin reading.

She determined that intervention would be more effective if it started earlier, so she connected with a Baltimore preschool center, where she examined its instructors’ teaching styles.



***About 25 percent of the nation's children cannot read at basic levels of proficiency by fourth grade; fully half of children in poverty cannot meet even basic proficiency cutoffs.***

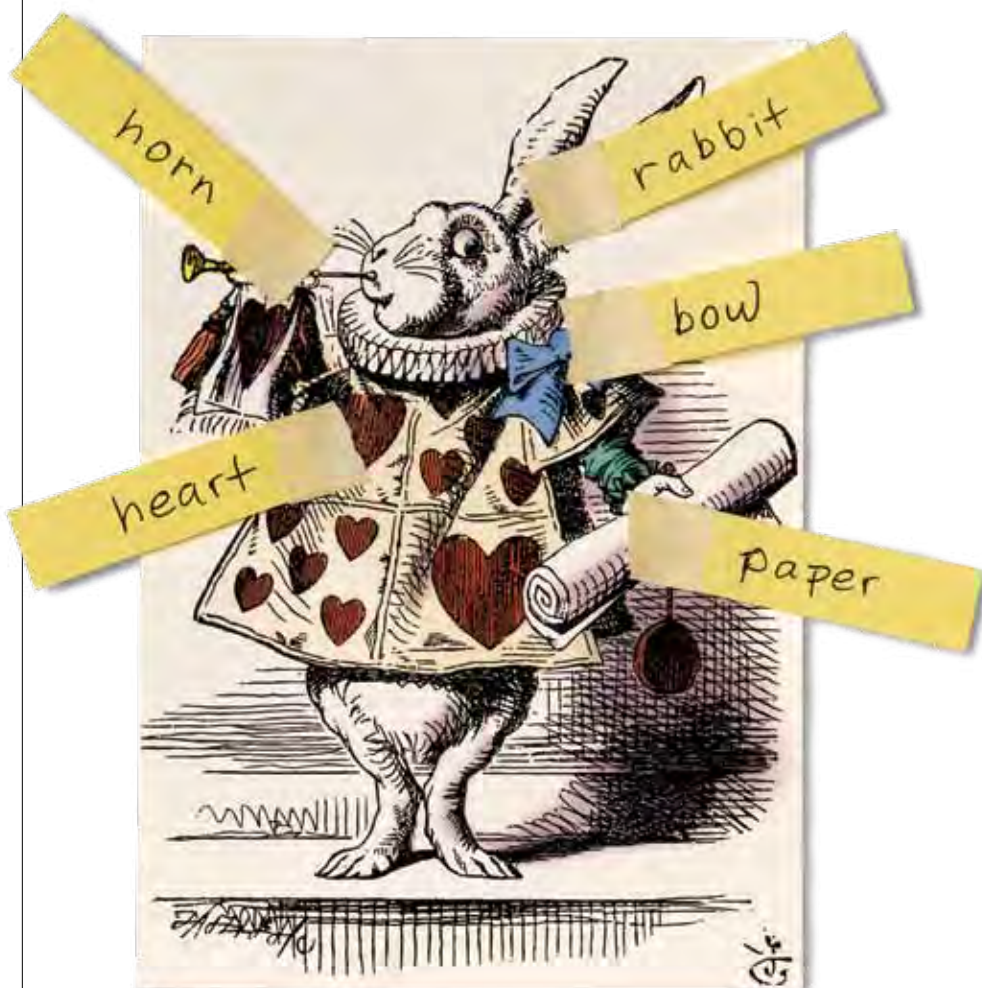
She remembers one preschool student in particular. "When I asked him what he was eating, he was able to answer 'sandwich,' but when I asked him what was in the sandwich, it became clear that he didn't know the words for 'ham' or 'cheese.'"

That is when Wasik had an epiphany.

"The teachers were not using specific vocabulary words with their kids," she continues. "They were saying, 'Please bring this over there,' rather than saying, 'Please put the crayons back in the art center.' If a teacher assumes a child knows the name of a common object, that misconception can affect his or her comprehension skills down the road."

Since classroom conversations that promote language development are often a part of the natural rhythm in class, Wasik and her colleagues developed a training model for teachers that weaves language support into a wide range of daily activities. The intensive professional development program, called Exceptional Coaching for Early Language and Literacy (ExCELL), is extremely successful—and its results are inspiring.

When a teacher enters training, he or she attends three-hour group training sessions to learn to support conversations in the classroom, encourage vocabulary development and listen actively. When the teacher returns to the classroom, he or she begins implementing the strategies learned in the group training sessions. A coach then observes and critiques his or her success at adapting Wasik's techniques. The teacher





returns to training to learn new information and strategies, and the cycle begins again.

To train as many teachers as they can, the researchers have turned to web-based technology. In addition, they are adding an ESL component to improve language and reading skills among students for whom English is a second language.

"There is an assumption that kids are adept at learning new languages on their own," says Carol Scheffner-Hammer, professor of communication science and ExCELL collaborator. "The reality is, it takes non-English-speaking preschoolers in Head Start programs about two or three years to catch up to their English-speaking peers."

To expand the program's reach, Wasik and her team recently received a prestigious four-year, \$3 million Investing in Innovation (i3) Development grant from the U.S. Department of Education. The grant supports relatively untested, promising and innovative projects. Of the nearly 600 i3 grant applications received this year, only 23 projects were funded.

### WORDS, WORDS, WORDS

Teachers who have learned and implemented Wasik's techniques have witnessed dramatic changes in student behavior.

"My kids are actually walking around, rhyming playfully to themselves and creating alliterative phrases at 3 years old," Trinetta Ingram says. "That is huge."

Sherette Jacobs, another Head Start teacher, noticed the results when she took her students and their families to the National Aquarium in Baltimore after the class studied ocean life. Not only were the students able to identify the aquatic animals for their parents; they also could converse about the animals' appearances and behaviors.

"I have seen my kids blossom, not only in terms of literacy skills, but also in terms of self-esteem," Jacobs says.

In one case, note Ingram and Mary Alice Bond, Wasik's research partner at Johns Hopkins University, a child named Unique struggled with delayed speech development. When Bond and Unique read a book called

*Feast For 10*, the child was only able to point to the illustrations for the vocabulary words. But when the two began acting out the book, Unique was more engaged. Bond asked her what she would need to make pancakes and narrated her actions for her. From time to time, Unique would say, "I'm cooking pancakes." A complete sentence was a big breakthrough, for both Unique and Bond. Within a few weeks, she was able to retell the story from *Feast For 10*. Ingram and her assistant then became devoted to having one-on-one conversations with students.

### ORAL REPORT

In 2011, Wasik and Hindman found that teachers who had participated in the ExCELL program created higher-quality classroom environments than those who did not receive training, and that the children in those classrooms performed significantly better in receptive vocabulary and phonological sensitivity.



***“I have seen my kids blossom, not only in terms of literacy skills, but also in terms of self-esteem.”***

—SHERETTE JACOBS, TEACHER, ST. PAUL COMMUNITY HEAD START

The results support the idea that intensive, ongoing professional teacher development can begin to bridge the preliterate gap between young children in poverty and their more affluent peers.

“If a child knows what a ‘herd’ or a ‘flock’ is, then when it’s time to decode the word, knowing the concept is half the battle,” Wasik says. “The word will have meaning to the child within the context of what he or she is trying to read.”

Under the current ExCELL model, one coach meets with about 20 teachers per year. Wasik hopes to triple that number using the new web-based format. The program will be piloted this fall in Baltimore and Lancaster, Pa., at sites that target both urban and ESL populations. But in the future, Wasik says, she expects to be able to reach Head Start teachers located at greater distances—even those in rural communities.

“We are excited to give even more preschoolers a head start on success in school.” ■

*Kim Fischer, CLA '94, is assistant director of news communications at Temple.*

\*Lesnick, J., Goerge, R.M., Smithgall, C. and Gwyne, J. *Reading on Grade Level in Third Grade: How Is it Related to High School Performance and College Enrollment?* Chicago: Chapin Hall at University of Chicago. 2010.

\*\*Chapman, C., Laird, J., Ifill, N. and Kewalramani, A. *Trends in High School Dropout and Completion Rates in the United States: 1972-2009* (NCES 2012-006). U.S. Department of Education. Washington, D.C.: National Center for Education Statistics. 2011.

## Conversation Station

*Conversations are a primary tool for oral language development in preschool classrooms. However, opportunities for kids to talk with others and receive feedback can be limited because of competing demands on teachers' time.*

*Barbara Wasik, PNC Endowed Chair in Early Childhood Education, suggests that teachers use the concept of a “conversation station” to create consistent opportunities for conversation in the classroom.*

### Conversation Station Guidelines:

1. Share the purpose of conversations and promote excitement.
2. Prepare an area where the conversation station will be used.
3. Set time aside in the daily schedule for individual and small-group conversations.
4. Engage with one to two children at a time.
5. Extend current theme- or book-related vocabulary.
6. Provide materials, such as pictures or objects, to promote theme- or concept-related conversations.
7. Ask open-ended questions and encourage children to share ideas.
8. Listen thoughtfully and give children your full attention.
9. Share comments that extend children's responses.





# HEART OF AFRICA



# AS ONE OF SOUTH SUDAN'S STAUNCHEST ADVOCATES, JOHN PRENDERGAST, CLA '86, IS NOW WORKING TO MAINTAIN PEACE IN THE WORLD'S NEWEST COUNTRY.

STORY BY RENEE CREE, SCT '12

Shortly before midnight on July 9, 2011, the people of Juba, a small outpost in southern Sudan, gathered around a large digital clock in the square, counting down the seconds until the region became South Sudan, the world's first new nation since 1993. Juba would be its capital.

The clock struck, and an explosion of joy and celebration erupted. People danced in the square, drove through the city honking their horns and waved their country's new flag. The next morning was bright and sunny in the middle of the rainy season, as if to reflect the exuberance that filled the streets. A marching band performed "South Sudan, Oyee," the new country's national anthem. President Salva Kiir read from its new constitution.

John Prendergast, CLA '86 (pictured left), says the joy in South Sudan was palpable. "It was euphoric," he says now, on the eve of the country's first birthday. "For many people, it was the culmination of a lifelong dream."

Prendergast has been dreaming of peace in Africa since he majored in geography and urban studies at Temple. That was when he first saw images of the famine in Ethiopia in 1983. "I couldn't believe human suffering could still exist on such an operatic scale," he says. "I felt it necessary to respond directly, personally."



Pro-separation Sudanese activists demonstrate for independence in Juba, Jan. 4, 2011.

And respond he did. While still enrolled at Temple, Prendergast made his first trip to Africa, despite knowing little about the political situation there. He says that first trip irrevocably changed his career aspirations and life path. For nearly 30 years, he has dedicated himself to social justice in some of Africa's most volatile areas, including Rwanda, the Democratic Republic of the Congo, Sudan and now, South Sudan.

## ROAD TO FREEDOM

Sudan was two different countries long before South Sudan officially seceded. "There was a very strong North African, Arab and Turkish influence in the north," says Benjamin Talton, associate professor

of history in the College of Liberal Arts.

"And in the south, Britain imposed a structure that was more in line with its colonial practices in the rest of sub-Saharan Africa, including the presence of Christian missions from Europe, which Britain did not allow in the north."

Even when the country broke away from British and Egyptian rule in 1956, two civil wars raged almost back-to-back for the next 50 years, costing 2.5 million Sudanese their lives and leading to widespread displacement. In large part, the conflicts stemmed from a broken agreement by the government in Khartoum to allow the south to operate in a semi-autonomous state.

"The government declared its intention to impose Islamic law throughout the country, even in the south, where Islam is not the predominant faith," Talton says. "This was in patent violation of the south's semi-autonomous status."

Further, Prendergast notes that the north never fully invested in the south with proper resources or infrastructure, leading to southerners' harboring "tremendous grievances" against the north. These grievances led to the formation of the Sudan People's Liberation Army (SPLA), a rebel group based in the south that would fight the government for nearly 20 years during the Second Sudanese Civil War.

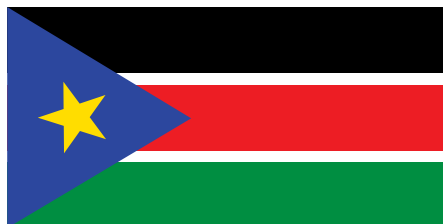
## WAR AND PEACE

But it was not a war that led to the eventual secession of South Sudan—it was peace. In 2002, a ceasefire was established with the support of the Intergovernmental Authority on Development, a confederation of the governments of Eritrea, Ethiopia, Kenya and Uganda. Peace talks began in earnest and culminated in 2005, when SPLA and the Sudanese government signed the Nairobi Comprehensive Peace Agreement. The signing marked the end of the last civil war, and ensured that the south would finally be granted its autonomy for six years, followed by a referendum to vote on its independence.

When the time came to hold the referendum, the threat of another war loomed. If South Sudan did leave, it would take with it a third of the country's land and almost 80 percent of its oil resources—a possibility that did not sit well with the administration of Sudanese president Omar al-Bashir. Military intelligence from around the world began to speculate on what Bashir might do to prevent the country from splitting.

Prendergast wanted to help minimize the possibility of war. Through the Enough Project, the human rights organization he co-founded in 2006, he launched a full-scale campaign to raise awareness about the situation in Sudan, and the need for the referendum on South Sudan's independence to move forward. As he campaigned, the atrocities that had swept through Darfur since 2003—famine, rape and murder—haunted him. He aimed to keep them from spreading through South Sudan.

To do so, he enlisted the help of actor and director George Clooney and gave dozens of interviews, raising awareness in the media to stop what he calls a self-fulfilling prophecy: "The less media outlets cover Africa, the less people know, so the less they demand news agencies increase their coverage." He also met with U.S. President Barack Obama and



### SOUTH SUDAN FLAG

The flag of South Sudan commemorates its turbulent past and celebrates its future.

**Green stripe**—represents the agricultural potential of the new country

**Red stripe**—depicts the blood shed to attain independence

**Black stripe**—indicates the African people

**Thin white stripes**—stand for peace

**Blue triangle**—embodies the waters of the Nile River

**Yellow star**—symbolizes unity among the 10 states of South Sudan

other diplomats to urge them to monitor events in Sudan.

The momentum he helped create in support of South Sudan's independence ensured that the referendum moved forward as scheduled in January 2011. He arrived in the volatile Abyei region of Sudan just before the referendum took place. Only a few miles away, a skirmish between two neighboring tribes resulted in more than 100 deaths while Prendergast visited refugee camps and spoke with inhabitants about their opportunity to liberate southern Sudan.

He then traveled to Juba and visited several polling stations. There, he met with former U.S. President Jimmy Carter, another staunch supporter of South Sudan's independence, and Kofi Annan, former secretary-general of the United Nations. The four men have met for years to discuss strategies to support peace and justice in Sudan. At this latest meeting, they deliberated how the momentum of the referendum could help alleviate the conflicts in Darfur and Abyei.

Despite the harrowing threat of violence, nearly 99 percent of Southern Sudanese people voted for their independence. South Sudan was born seven months later, without the two countries going to war once again.

## HURDLES AHEAD

South Sudan has struggled during its first year. In the months since the country declared its independence, violent skirmishes have erupted along the Sudan-South Sudan border, particularly in the volatile, oil-rich area of Abyei. Both countries are attempting to claim it as their own.

In addition, each contends that the other's military forces continue to wreak havoc. Sudan has been accused of attacking South Sudan with aerial bomb raids and ground assaults, while SPLA has been accused of raping and torturing members of the Murle tribe, which received military aid from Khartoum during the most recent civil war. The fighting has pushed the two countries dangerously close to another all-out war.

"It has been a very difficult first year," Prendergast says. "There have been internal conflicts in the south, and a brewing showdown with the Sudan the south left behind. Corruption issues also have undermined rapid progress. And the south turned off the oil pipeline that runs through the north to Port Sudan, which has created conditions for a real economic recession."

Earlier this year, the African Union sponsored talks between the two countries to discuss disputed issues including oil revenue payments, citizenship status and the delineation of the border between the two countries. Though conflicts stalled the initial round of talks, both presidents had agreed to meet and resume negotiations at the time this article was written.

Prendergast says that a stronger international diplomatic effort is needed to ensure lasting peace between Sudan and South Sudan, and is embarking on another media campaign to highlight those needs. "We need to improve our game in support of the African-led peace process, and we need to do much more to promote a political transition in Khartoum," he says.





Tim Freccia

Left to right: John Prendergast, *CLA '86*, actor and director George Clooney, former U.S. President Jimmy Carter, and 7th secretary-general of the United Nations and Nobel laureate Kofi Annan convene during the South Sudanese independence referendum in 2011.

Prendergast's nonprofit also is monitoring activities along the border with the Satellite Sentinel Project. It is an effort to monitor both nations via satellite for possible indications of war, such as mobilized troops or bombed villages. The Enough Project works with the Harvard Humanitarian Initiative, Google and satellite provider DigitalGlobe to analyze information and release reports to the media and legislators, keeping the world's attention focused on the fragile region.

"After the independence of South Sudan, I think the world breathed a collective sigh of relief, as if the troubles in this area would just melt away," says Carolyn Adams, professor of geography and urban studies, who taught Prendergast as a student. "But we can't assume that there will always be peace and prosperity. That's what John is working on now—letting the world know that the separation isn't the end of the problems."

A tireless activist, Prendergast still travels back and forth between the U.S. and Africa, making three to four trips per year. He visits war zones and stays in refugee camps and

villages to get a real sense of what people need. Recently, he headed back to Sudan and South Sudan "to assess the human-rights situation and see what we can do to help."

Despite a rough beginning, Prendergast is optimistic about South Sudan's future, and for peace across Africa. "Much of Africa is a success story, in which elections are being held to determine leaders, governments are investing in good economic policies and democratic institutions are being built," he says. "We have a long way to go, but Africans themselves are leading the effort to change the damaging status quo."

#### DEEP IMPRESSION

Since first arriving in Africa nearly 30 years ago, Prendergast has become a renowned activist for peace there. He has served as director of African Affairs at the National Security Council under former U.S. President Bill Clinton and as special advisor to Susan Rice, U.S. ambassador to the United Nations. He also has worked for several human rights

organizations, including Human Rights Watch, the United States Institute of Peace and Not On Our Watch.

Prendergast returned to Main Campus in fall 2011 as the Leonard Mellman Visiting Scholar in the College of Liberal Arts. He shared his vision of the past and future of Africa, and empowered students by sharing with them strategies for effecting social change. Also during his visit, Prendergast was named a Temple University Alumni Association Alumni Fellow.

"John is generally an optimist, and he knows the people of Africa can continue to make headway," Adams says. "For the rest of the semester, when discussing social justice issues, the students would say, 'How would John handle this problem?'" ■

*To view a video of Prendergast's meeting with Kofi Annan, Jimmy Carter and George Clooney at the South Sudanese independence referendum, visit [temple.edu/templemag](http://temple.edu/templemag).*

# Tiffany Butler makes no bones about it.

She came to Temple because she knew her graduate education would be hands-on, real-world and focused on direct results. She is doing much more than making copies for her faculty advisor or spending all day entering data.

She is conducting her own experiments on bone health and osteoporosis, presenting and publishing her findings, winning national awards. Tiffany is delving into questions she wants answered.

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# CLASS NOTES

*Owls lead professional fields the world over. In this issue, a Harlem Globetrotter, the U.S. military's senior medical officer in Afghanistan and a former FBI agent discuss their impact in the world—and Temple's influence on them.*

## 1940s

ALMA P. FINESTONE, *EDU '45*

was awarded first prize at an exhibition of the Artists Cultural Exchange, an organization for regional, professional artists. The exhibit took place at the Markheim Art Center in Haddonfield, N.J.

RUTH MILLER COX, *EDU '48*

was named to the Pennsylvania Music Educators Association Hall of Fame in recognition of 39 years of teaching and service to the association's boards and committees. She plays viola with Main Line Symphony Orchestra, as she has for more than 50 years, and co-directs the Havertown Choristers, which she founded in 1988.

JOHN COSTANZA, *TYL '49*

exhibited the paintings of Deborah Gross-Zuchman, *CLA '69*, at his gallery in Bryn Mawr, Pa., as a part of the Delaware County Studio Tour.

## 1950s

LEONARD MARKOWITZ, *CLA '51, '59*

retired after a 41-year career as an aerospace engineer with General Electric Co., where he developed materials for orbital spacecraft and other space vehicles.

STANLEY WEINTRAUB, *CLA '51*

published *Final Victory: FDR's Extraordinary World War II Presidential Campaign* with Da Capo Press.

HOWARD W. ZUCKER, *DEN '58*

received the 2012 Kornberg Alumni Association Education Award for his contributions to education in dentistry at the undergraduate and graduate levels. He is a practicing dentist; a member of the Kornberg Alumni Board, Delaware State Dental Society and Omicron Kappa Upsilon; and a fellow of the Academy of General Dentistry and International College of Dentists.

STEPHANIE COHEN, *CLA '59, SED '80*

published *The Nonstop Garden* with Timber Press. It is her third book. She also taught herbaceous plants and perennial design at Temple for more than 20 years, and founded and directed the Landscape Arboretum at Temple's Ambler campus.

ANTHONY PELLEGRINO, *CLA '59*

was commencement speaker at the Green Meadow School of Saipan in the Northern Mariana Islands.

## 1960s

HUBERT R. DOYLE, *SBM '61*

published *Ventures in the World of Celebrities, Movies & TV*, a memoir about his public relations and writing career, with Joshua Tree Publishing.

***To learn about the Class of 1962 Endowed Scholarship, visit [myowlspace.com/1962](http://myowlspace.com/1962).***

BERNARD DISHLER, *DEN '62*

was appointed president of the Pennsylvania Dental Association. He practices in the Yorktowne Dental Group in Elkins Park, Pa.

LEWIS F. GOULD, *PHR '62*

was named an alternate delegate to the 2012 Republican National Convention in Tampa, Fla. He is a partner in the law firm of Duane Morris LLP in Philadelphia, and is commissioner of Lower Merion Township.

RICHARD P. MILLER, *CHPSW '62*

volunteers as a member of the Microsoft Management Team's Technical Support Forum site.

ROBERT P. REID, *CLA '63, '66, SBM '69*

teaches and develops noncredit and credit courses in digital photography. Reid also exhibits his own photographic work, most recently at Barnes & Noble's Rowan University location in Glassboro, N.J.

HERB SILVERMAN, *CST '63*

published *Candidate Without a Prayer: An Autobiography of a Jewish Atheist in the Bible Belt* with Pitchstone Publishing.

EDWARD N. ZISSMAN, *CST '65*

was awarded the Howard Phillips Center for Children & Families Semper Fi Award, which annually honors advocates for children.

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JOHN J. AGLIALORO, *CLA '67*

produced *Atlas Shrugged: Part I*, a film based on the first portion of the novel Ayn Rand published in 1957. *Atlas Shrugged: Part II* is set to be filmed and released later this year.

STEPHEN FRISHBERG, *SBM '67, LAW '71, '96*

was selected as a "Philadelphia Top Rated Lawyer" in 2012, based on his AV Preeminent Peer Review Ratings on Martindale-Hubbell, the company that has long set the standard for lawyer ratings. He is a partner in the Philadelphia law firm of Deeb, Blum, Murphy, Frishberg & Markovich.

RICHARD M. GRAPPONE, *EDU '67*

retired from a 32-year career in the Camden, N.J., public-school system. He served as a business teacher before advancing to city chair and supervisor of business education.

RONALD P. SPARK, *MED '67*

was recognized by the University of Arizona College of Medicine as the namesake of a new distinguished service award for pathologists. Spark is a clinical associate professor in that university's College of Medicine.

KRISTIN BOWMAN-JAMES, *CST '68*

co-edited *Anion Coordination Chemistry*, published by John Wiley & Sons Ltd.

ANTHONY CAMPOLO JR., *CLA '68*

spoke at the Annual Palm Sunday Breakfast for Men and Boys at the Lower Providence Presbyterian Church in Eagleville, Pa. He is founder and

president of the Evangelical Association for the Promotion of Education, a national non-profit that creates and supports programs for at-risk children.

CRAIG COLLIS, *CST '69, '73*

was a teacher in Philadelphia for 10 years before developing math assembly programs, which he has presented at more than 6,000 schools nationwide.

DEBORAH GROSS-ZUCHMAN, *CLA '69*

exhibited her paintings at the gallery of John Costanza, *TYL '49*, in Bryn Mawr, Pa., as a part of the Delaware County Studio Tour.

BARRY PACKER HERTZ, *EDU '69*

is a professor of education at Lyndon State College of Vermont in Lyndonville.

JOSEPH H. MELROSE, *CLA '69*

received an honorary degree from Francis Marion University in Florence, S.C. He is acting U.S. representative for management and reform at the U.S. Mission to the United Nations.

WILLIAM D. WINE, *SCT '69*

is a film critic with KYW Newsradio in Philadelphia. He is working with the Pennsylvania Humanities Council on a regional lecture series titled "Based on the Book: Best-Seller Cinema." Using books and their film versions, such as *To Kill A Mockingbird*, *The Graduate* and *A Clockwork Orange*, Wine will discuss the psychological differences between reading and viewing.

## 1970s

GERALD P. MADDEN, *SBM '71*

participated in the Masters Basketball Association's National Senior Tournament in Coral Springs, Fla., in May. He played in the 70-plus division, alongside former NBA players.

AUGUSTUS M. CILEONE, *CLA '72*

published *Feast or Famine*, about growing up as a Catholic Italian American, with Amazon Digital Services.

DONALD B. KRAYBILL, *CLA '72*

was selected as principal author of a new history of Eastern Mennonite University in Harrisonburg, Va. The publication will coincide with the university's centennial celebration in fall 2017.

BLASE CARABELLO, *MED '73*

was honored with the Simon Dack Award for Outstanding Scholarship by *Journal of the American College of Cardiology*. The award recognizes cardiologists who are committed to performing life-changing research.

PATRICIA E. DECARO, *TYL '73*

was the recipient of the 2012 Irving and Yvonne Twining Humber Award for Lifetime Artistic Achievement. The award is given to a female visual artist in Washington state, age 60 or older, who has dedicated 25 or more years of her life to creating art.

ALAN M. FELDMAN, *CLA '73, LAW '76*

was included in 2012 *Pennsylvania Super Lawyers* with 14 other attorneys in the same firm, Feldman Shepherd Wohlgernter Tanner Weinstock & Dodig LLP.

MARC P. WEINGARTEN, *CLA '73*

presented at the Annual General Meeting of the Association of Personal Injury Lawyers in the U.K. on a panel titled "Accidents Overseas: A Guide to Working With International Lawyers." He is a partner in Locks Law Firm in Philadelphia.

LAURENCE D. WELLIKSON, *MED '73*

was listed as one of the "50 Most Influential Physician Executives" by *Modern Healthcare*. He is CEO of the Society of Hospital Medicine in Philadelphia.

VERONICA BENNING, *TYL '74*

had her painting, "Late Summer (Shady Trees)," added to the permanent collection of the Portland Museum of Art in Maine.

GEORGE J. BLAINE, *LAW '74*

joined Ernst & Young LLP as executive director in the firm's national tax department, based in Washington, D.C.

PAULA MANDEL, *CLA '74*

and Joan Myerson Shrager, *EDU '82*, co-founded the Stained Glass Project: Windows That Open Doors, an afterschool program in which high school students in Philadelphia create stained-glass windows for schoolchildren in South Africa, New Orleans and North Philadelphia. They recently teamed up with their students for an exhibition called *Hand-Eye Collaboration*, open from April to June in Philadelphia.



## CLASS OF 2007



Jeffrey Phelps

# FATIMA MADDUX

**DEGREE:** BA, advertising, School of Communications and Theater, 2007

**OCCUPATION:** Harlem Globetrotter

**LOCATION:** Philadelphia

As children, who among us did not occasionally pick up a basketball and try to spin it like a Harlem Globetrotter? Or attempt a half-court shot, or try to dribble two basketballs at once?

For 86 years, the Harlem Globetrotters have amused the young and the young at heart, giving kids a bevy of tricks to try at home and breaking down cultural barriers through their comedic game play. Today, Fatima Maddox, SCT '07—the ninth-ever female Globetrotter to grace the court—takes her role on one of the world's zaniest sports teams very seriously.

The Colorado Springs, Colo., native, known as “TNT” for her “explosive” ball-handling skills, calls herself a “dribbler in the spirit of Globetrotter legends Curly Neal and Marques Haynes.” And, because the Globetrotters consider their players ambassadors of goodwill who are dedicated to both charity and entertainment, Maddox says the tricks and skills she executes on the hardwood allow her to do what she loves most: give back to her community.

“[The Globetrotters are] absolutely about more than sports. We spend a lot of time off the court giving back,” Maddox says.

Despite being on the team for a short nine months thus far, she has been able to visit elementary schools to talk about character-building, and to spend time with patients in children's hospitals. “I love that I am able to play basketball professionally, and that I am now an official Ambassador of Goodwill, traveling the world, putting smiles on families' faces and making memories for them.”

As the first woman on the team since 1993, Maddox also realizes she has a powerful impact on girls who are awed by the Globetrotters. “I really enjoy being able to show women and young girls that we can do anything we set our minds to,” says Maddox, who was coached by a strong female while at Temple: three-time Olympian Dawn Staley. As a senior, Maddox averaged 11.6 points per game as a guard. During the 2005–2006 season, she was named the team's best three-point shooter.

For Maddox, embodying the powerful moniker “TNT” means more than being a great dribbler. “I bring a passion for the game of basketball,” she says, “as well as a passion to try and make others' lives better off the court.” —*Alix Gerz*, SCT '03, CLA '07

*“I love that I am able to play basketball professionally, traveling the world, putting smiles on families' faces and making memories for them.”*



## ELENA PARK

**DEGREE:** JD, Beasley School of Law, 1998

**OCCUPATION:** Immigration lawyer

**LOCATION:** West Conshohocken, Pa.

To be a successful lawyer, immigration attorney Elena Park, *LAW '98*, says that aggression and intimidation—two traits often associated with the profession—are not necessary. She realized that during a corporate law class in the Beasley School of Law, where she met Associate Professor of Law Eleanor Myers. “She was low-key, but firm and assertive,” Park says. “I identified with her style and thought, ‘If she can be successful, then I can, too.’”

Born in Canada to Korean parents, Park has a personal connection to the U.S. naturalization process. Though it took her only about nine months to become a citizen, it can take up to five years or more for others. A desire to help immigrants navigate the lengthy process inspired her to found the immigration practice at Cozen O'Connor, the law firm where she has worked since 1999.

“No one was handling immigration law when I arrived at the firm,” she says. “I recognized a need and presented a business

plan to fill it.” Within a year, she had built the practice from the ground up. Though it is headquartered in the firm’s West Conshohocken, Pa., office, it now encompasses Cozen O’Connor’s 22 offices around the world.

“It just clicked in my head and heart that immigration law was what I was interested in,” Park says.

Some of Park’s successes include helping save lives, as was the case with an Iraqi woman who worked as a translator for the U.S. military. Due to her affiliation with the troops, she was in danger of being killed by Iraqi insurgents if she returned home. Over the course of two years, Park worked tirelessly to find ways to keep her in the U.S., until she was finally granted asylum in 2008.

For her commitment to that case, as well as for providing 200 hours of free legal work annually, the American Bar Association presented Park with the Pro Bono Publico Award in August 2011.

Park also helped Zhen Xing Jiang, an illegal Chinese immigrant who miscarried twins after she was seized by federal immigration authorities and taken to Kennedy Airport in New York City for immediate deportation. The case sparked protests in both Philadelphia and Beijing until 2007, when Jiang was granted residency in the U.S.

Park says cases like those are exactly why she started her immigration practice. “I love language and culture, I welcome challenges and I want to help those in need. All that ties into immigration law.”  
—Sharon R. Cole



FRANCIS X. DILLON, *LAW '75*

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

THOMAS W. GAMBA, *DEN '76*

received the 2012 Kornberg Alumni Association Leadership Award for his role in local dental and civic organizations. He serves on the American Dental Association Council on Ethics, Bylaws and Judicial Affairs, and has published several articles about dental ethics. Gamba also is past president of the Pennsylvania Dental Association.

JAMES KRISTIE, *SCT '76*

has served as editor of *Directors & Boards*, a quarterly journal that covers business leadership issues, for more than 30 years.

PHYLLIS M. PERKINS, *MED '76*

celebrated the graduation of her son, Louis M. Capecci, *MED '12*, from Temple University School of Medicine. Perkins serves as a board member of the Southern New Jersey Perinatal Cooperative, and also serves on the admissions committee of the College of Physicians of Philadelphia. Louis will be a surgical intern at Allegheny General Hospital in Pittsburgh.

ROBERT D. SNYDER, *MED '76*

was awarded the Gold Cross of Merit of the Republic of Hungary. He was recognized by the Hungarian Office of the President for his impact on healthcare during his time in Budapest from 1996 to 2003.

ROBERT DAVIS, *SBM '77*

published his ninth training CD about information technology auditing, *IT Auditing: Business Continuity and Disaster Recovery*, with Pleir Corp.

PATRICIA SPADARO, *SCT '77*

published her seventh book, *Honor Yourself: The Inner Art of Giving and Receiving*. She also is a publishing coach.

LLOYD C. "GREY" HELD, *TYL '78*

participated in the Mattapoisett Library's annual Afternoon of Poetry in Massachusetts.

DEBRA J. SILIMEO, *SCT '78*

was named executive vice president of Hager Sharp, a public-relations firm in Washington, D.C., that focuses on education, health and safety.

DEBRA K. STEIN, *CLA '78, '83*

was recognized as an outstanding citizen in the borough of Parkside, Pa., for her contributions to the community, including her involvement in the creation of the Parkside Community Theatre.

MARY DISANTO-ROSE, *CHPSW '79*

was awarded an honorary degree from St. Lawrence University in Canton, N.Y. She also is an associate professor of dance at Skidmore College in Saratoga Springs, N.Y.

JOSEPH D. MANCANO, *LAW '79*

was included in 2012 *Pennsylvania Super Lawyers* with 22 other attorneys in the same firm, Pietragallo Gordon Alfano Bosick & Raspanti LLP.

DAVID J. NUDDLE, *SBM '79*

was appointed to the finance committee of Hillel of Greater Philadelphia, a Jewish organization for college students.

BRIAN SQUIRES, *CLA '79*

is co-owner of MoneySaver Coupons Inc., a company based in South Florida that produces direct-mail coupon books for more than 800,000 subscribers.

JERRY N. STREET, *MED '79*

joined Houston Orthopedic and Spine Hospital in Bellaire, Texas, as physician partner.

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

spoke during the annual Food and Drug Law Institute Educational Conference held in Washington, D.C. She participated in the panel discussion concerning the Food and Drug Administration's Center for Veterinary Medicine program, which focused on developments and goals in 2012.

## 1980s

PHYLLIS HORN EPSTEIN, *LAW '80*

was elected to a second term as treasurer of the Philadelphia Bar Association. She is a partner in the law firm of Epstein, Shapiro & Epstein PC in Philadelphia.

LYNN SHIELDS EVANS, *LAW '80*

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

LESLIE B. BASKIN, *LAW '81*

was named secretary of the Philadelphia chapter of the International Women's Insolvency and Restructuring Confederation, an organization for women in the insolvency and restructuring profession. She also is a member in the law firm of Spector Gadon & Rosen in Philadelphia.

JAMES G. CARROLL, *SBM '81*

earned a doctorate in business administration from University of Phoenix, an online institution. His dissertation was titled *The Effect of Pay for Performance on Intrinsic Motivation, Performance, and Employee Retention: A Phenomenological Approach*. Carroll works as an operations specialist for the U.S. Postal Service.

MICHAEL P. GAUGHAN, *SCT '81*

screened his short film, *The Story of the American Star*, during the Davis Film Festival in California in April.

DENISE R. ROLFE, *SCT '81*

was promoted to national sales director, community broadcasting, at TelVue Corp. in Mt. Laurel, N.J. She is a two-time Emmy award-winner for promotion and community outreach advertising.

GERALD M. WEISS, *LAW '81*

published his second book, *The Lemberg Mosaic*, with Alderbrook Press. It is written under his pen name, Jakob Weiss, and examines the Holocaust in Eastern Galicia (now a part of the Ukraine).

DAVID M. BEVERAGE, *SCT '82*

designed the book *Meet The Presidents*. It contains more than 400 photos and provides an engaging graphic overview of the presidents' lives, focusing on their little-known human-interest aspects.

SARAH A. GRAY, *DEN '82*

received the 2012 Kornberg Alumni Association Service Award for her time, effort and support of the Kornberg School of Dentistry. Over the years, Gray has served Kornberg as acting chair, supervisor, associate dean and vice dean in several departments. She also is an associate professor in the Dental School.

CHARLES J. MEYER, *CHPSW '82, LAW '86*

became shareholder in the law firm of Hofstein Weiner & Meyer PC in Philadelphia, where he and his partners practice family law.

DAVID L. PORRETTA, *CHPSW '82*

was named a fellow by the International Federation of Adapted Physical Activity in recognition of his scholarship and service to adapted physical activity around the world.

PATTY A. ROMEU, *SCT '82, '88*

co-produced *The Loving Story* for HBO. The film documents the lives of Richard and Mildred Loving, an interracial couple whose right to marry was granted by the U.S. Supreme Court in the 1967 case *Loving v. Virginia*.

JOAN MYERSON SHRAGER, *EDU '82*

and Paula Mandel, *CLA '74*, co-founded the Stained Glass Project: Windows That Open Doors, an afterschool program in which high school students in Philadelphia create stained-glass windows for schoolchildren in South Africa, New Orleans and North Philadelphia. They recently teamed up with their students for an exhibition called *Hand-Eye Collaboration*, open from April to June in Philadelphia.

JOSEPH BLUM, *LAW '83*

was named a "Philadelphia Top Rated Lawyer" in 2012. He is a partner in the Philadelphia law firm of Deeb, Blum, Murphy, Frishberg & Markovich.

PETER BRAMPTON KOELLE, *LAW '83*

was named a "Philadelphia Top Rated Lawyer" in 2012. He is a partner in the Philadelphia law firm of Deeb, Blum, Murphy, Frishberg & Markovich.

ROBERT G. KONCHARD, *POD '83*

became a member of the honorary medical staff of Midland Memorial Hospital in Texas. Before semi-retirement, he served as chief of surgery at both Physicians and Surgeons Hospital and Westwood Medical Center.

JOSEPH F. ROBERTS, *DEN '83*

received the 2012 Kornberg Alumni Association Business Award for his professional accomplishments and service to the community through dentistry. He currently serves on Kornberg's Board of Visitors and has served as president of the Eastern Dental Society, and as president and founding member of the Philadelphia Implant Society.

MARC S. RASPANTI, *LAW '84*

a partner in the law firm of Pietragallo Gordon Alfano Bosick & Raspanti LLP, presented at King & Spalding's 21st Annual Health Law and Policy Forum in Atlanta. He participated in a panel called "Legal Representation of Healthcare Whistleblowers."

MICHELLE CHRONISTER SHANNON, *SCT '84*

is vice president of marketing and communications of Center

City District in Philadelphia. She was appointed co-chair of the Pennsylvania/Delaware/Southern New Jersey Alliance Public Sector for the International Council of Shopping Centers.

CHERYL ANNE BOOKER-CARTER, *MED '85*

was granted privileges to practice medicine at Grand View Hospital in Sellersville, Pa.

BRADFORD L. CLAYMAN, *SCT '85*

was profiled in *The New York Times* for his documentary *OC87*, about living with obsessive-compulsive disorder.

MICHAEL J. PAPA, *CHPSW '86*

received the President's Award for Outstanding Research and Creative Activity at Central Michigan University for his work in the areas of organizing social change and diplomacy. He also is a professor of communication at that institution.

GRANT RAWDIN, *LAW '87*

was appointed to the Beasley School of Law Board of Visitors. He is president and CEO of Wescott Financial Advisory Group in Philadelphia, and also is current president of Temple University Law Foundation.



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CLASS OF 1988

# BRIAN LEIN

**DEGREE:** MD, School of Medicine, 1988

**OCCUPATION:** Senior medical officer, U.S. Army

**LOCATION:** Kabul, Afghanistan

In Afghanistan, Brig. Gen. Brian Lein, *MED '88*, is the U.S. military's version of Atlas: the well-being of its forces there rests on his shoulders. As senior medical officer, he travels throughout the mountainous country and oversees everything from the transport of wounded soldiers to disease control to ensuring medical supplies reach the most remote outposts.

"The medical footprint here is pretty extensive," Lein says. "I have to be sure everything is ready to take care of injured soldiers on the battlefield."

Yet this seemingly monumental responsibility is just one of many in Lein's 32-year military career: From 2007 to 2009, Lein served as commander of the Landstuhl Regional Medical Center in Landstuhl, Germany, where all wounded and injured U.S. soldiers arrive from conflicts in the Middle East. Nearly 12,000 men and women pass through that facility each year.

"It's a pretty sobering experience, to see these soldiers wounded, and what a mortar round or high-velocity bullet can do to somebody," Lein says. "But it shows the quality of medical care and the ability of medics to save soldiers' lives on the front lines."

He first deployed to Landstuhl in 1993, where he treated casualties from the Battle of Mogadishu, famously recounted in the book and movie *Black Hawk Down*. He was later dispatched to the front lines of the Bosnian War.

Prior to enlisting, Lein attended the School of Medicine at Temple after graduating from West Point military academy in New York in 1984. Later, he returned to Pennsylvania for a residency at Abington Memorial Hospital, which included surgical rotations at Temple.

Lein says he felt accepted during his time at the Medical School. "It was probably the best education I could have received," he says.

When asked what the Temple community, and the public at large, can do to support the soldiers in Afghanistan, Lein asks for continued good wishes.

"There's not a day that goes by when somebody's not thanking us or sending something," he says. "When you see soldiers in the airport or walking down the street in uniform, thank them for their service." —*Kyle Bagenstose, SCT '11*



Ben Bidler ©2007, 2012 Stars and Stripes

*"It's a sobering experience, to see soldiers wounded. But it shows the ability of medics to save soldiers' lives on the front lines."*



# CLARK FROGLEY

**DEGREE:** EMBA, Fox School of Business, 2002

**OCCUPATION:** Singer and FBI agent turned executive

**LOCATION:** New York City

Before he became an FBI agent; before he spent years investigating white-collar crime and economic espionage; before he oversaw hundred-million-dollar budgets for global corporations, Clark Frogley, *SBM* '02, had already traveled the world performing Top 40 hits for U.S. troops.

While studying Japanese and Asian studies as an undergraduate at Brigham Young University in Provo, Utah, Frogley joined a performing group called the Young Ambassadors, which traveled as missionaries and visited military bases worldwide. The group sang everything from country to Sonny and Cher to '80s pop.

"There's nothing like visiting a handful of soldiers on a remote base at the top of a mountain in Turkey, during the Cold War, and performing for them on Christmas Day," Frogley says. "And watching the tears just flow because someone brought a little bit of home to them. It's one of my most cherished experiences."

He once dedicated a performance of "God Bless the USA" to his father, Henry, a decorated war veteran and an FBI agent. Eventually, Frogley followed in his father's footsteps and joined the Federal Bureau of Investigation in 1988.

During his time there, first in Los Angeles and then in Washington, D.C., Frogley helped solve an international kidnapping case that involved coordinating efforts between the U.S., Taiwan and China. For his efforts, Frogley received the Director's Award for Excellence from the FBI.

An opportunity to work and live in Asia came when he accepted the position of assistant legal attaché for the U.S. Embassy in Japan, investigating crimes against U.S. citizens and government entities.

He remained in Japan when he took a job with Goldman Sachs, eventually overseeing global security, investigations and logistics from its Tokyo headquarters. It was then that Frogley attended Temple University Japan and earned his EMBA. After five years with Goldman Sachs, he joined Deutsche Bank, first in New York as head of corporate security for the Americas, and then in Singapore as global head of fraud and investigations.

He returned to the U.S. in early 2009 to work for Chartis Global Investigative Services, a subsidiary of American International Group, where he was responsible for preventing fraudulent insurance claims filed abroad.

Incredibly, Frogley says his time as a traveling performer and his career in investigation and securities are linked inextricably.

"An international element was something that was going to be required to really excel in my professional career," he says. "I really enjoyed exploring and working with different cultures."

—Brandon Lausch, SCT '06, and Renee Cree, SCT '12



CHERYL A. TRACY, *SCT '87*

was a featured artist in a five-person show at the Lancaster County Art Association's 2012 Invitational Exhibit in Strasburg, Pa. Her exhibit included 14 photographs representing the theme "everything old."

PAMELA MOORE, *CLA '88*

was named assistant superintendent for curriculum and instruction in the Millville School District in New Jersey.

SANDRA A. ROMASZEWSKI, *CLA '88*

was named a "Leader in Law" by *Chambers USA*. She is an associate with Fox Rothchild LLP in the law firm's Philadelphia office.

DAVID B. SNYDER, *LAW '88*

co-authored *Pennsylvania Eminent Domain*, the first complete revision of the original document published in 1954. He is co-chair of the eminent domain practice at Fox Rothschild LLC in Philadelphia.

STEVEN S. CALANDE, *CHPSW '89*

was hired as football coach at East Catholic High School in Manchester, Conn. He also will teach physical education at that institution.

DANA PIRONE (GARRITY)  
CAROSELLA, *LAW '89*

presented during the Pennsylvania Bar Institute's Ethics Potpourri seminar. Of counsel in the law firm of Stevens & Lee in Valley Forge, Pa., Carosella lectured about the disciplinary system in Pennsylvania.

JOSEPH F. HEDIGER, *SBM '89*

was named a member of the board of directors of the Hepatitis B Foundation in Doylestown, Pa. He is assistant vice president and corporate controller at Children's Hospital of Philadelphia.

JACK KLOTZ, *SCT '89*

collaborated with Naoko Masuda, *SCT '07*, senior web developer at Temple, on "Fukkatsu no Uta," or "The Song of Rising," a song to raise funds for those affected by the 2011 earthquake and tsunami in Japan. He also is associate professor of broadcasting, telecommunications and mass media at Temple.

AARON LUIS LEVINSON, *SCT '89*

appeared on the Latin Roots series on *World Cafe*, which airs on WXPB, an affiliate of National Public Radio based at University of Pennsylvania. He also oversees Bell Tower Music, a student-run project at Temple that focuses on music production.

## 1990s

JOHN B. BATEMAN, *CHPSW '90*

was appointed chaplain to the Pennsylvania Air National Guard.

MARIANNE CRANDALL FOLLIS,  
*EDU '90*

received her PhD in library and information studies from Texas Woman's University in Houston.

KURT CONKLIN, *CLA '91, CHPSW '04*

assisted in the training of more than 150 staff members from community-based U.S. organizations that receive federal funding to help prevent teen pregnancy.

KAREN F. EDWARDS, *CHPSW '91*

was honored with the Outstanding Health Professional Award by the Eastern District of the American Alliance for Health, Physical Education, Recreation and Dance. She is an associate professor of behavioral health and nutrition at the University of Delaware.

JENNIFER L. GLASSE, *SCT '91*

is a reporter with Al Jazeera news network based in Kabul, Afghanistan.

CHRISTOPHER J. PRESTON, *SBM '91*

was hired by Credit Suisse as managing director. He is located in the firm's New York office and is head of trading for alternative investments.

JESS STAINBROOK, *SCT '91*

was executive producer of the 2011 movie *Seven Days in Utopia*, featuring actors Robert Duvall and Melissa Leo. He was responsible for all the business and creative aspects of the project.

CHRISTOPHER M. CARL, *SCT '92*

was named the Delaware Press Association (DPA) 2012 "Communicator of Achievement." The award recognizes outstanding professional achievement, and service to DPA and the local community.

JOHN JOERGENSEN, *LAW '92*

was appointed director of the law library at Rutgers School of Law-Newark. He also was named professor of law at that institution.

CHRISTOPHER S. WILSON, *TYL '92*

was appointed architecture and design historian at Ringling College of Art and Design in Sarasota, Fla.

ALEIZHA BATSON, *CLA '93, THM '96*

was hired as public communications manager for the city of Jacksonville, Fla.

PAT BRANCH, *SCT '93*

was accepted into the 2012 Guy A. Hanks & Marvin Miller Screenwriting Program at University of Southern California. The 15-week workshop, founded by Bill and Camille Cosby, was designed to assist writers in the completion of scripts and to deepen the participants' appreciation of African-American history and culture.

MICHAEL D. MATTHIAS, *DEN '93*

joined Practice Without Pressure Inc., a nonprofit organization that specializes in healthcare for people with disabilities based in Newark, Del.

KEVIN T. MOORE, *SCT '93*

earned a degree in nursing from the University of Medicine and Dentistry of New Jersey.

YUMY THOS L. ODOM-ROBINSON,  
*CLA '93*

founded the East Coast Black Age of Comics Convention Inc., the nonprofit organization behind the East Coast Black Age of Comics Convention, which held its 11th annual event in May.

KIMBERLY J. ELENBERG, *CHPSW '94*

was named 2012 "Alumna of the Year" by the Milton Hershey School in Hershey, Pa.

MICHAEL T. MCCARTHY, *TYL '94*

showed his work in an exhibition titled *Human Form*, at the Galerie Duboys in Paris.

PAUL C. PASLES, *CST '94, '97*

received the 2011 Excellence in Teaching Award from the College of Liberal Arts and Sciences at Villanova University in Pennsylvania, where he is an associate professor of mathematics.

ANALISA SCRIMGER SONDERGAARD, *LAW '94*

became magisterial district judge in Chester County, Pa.

KENNETH R. ATKINSON, *CLA '96, '99*

published *Queen Salome: Jerusalem's Warrior Monarch of the First Century B.C.E.* with McFarland & Co. Inc., Publishers. The author of several books, he also is an associate professor of history at the University of Northern Iowa in Cedar Falls.

DAVID C. KASARDA, *MED '97*

joined Grand View Emergency Associates in Sellersville, Pa.

JASON R. MOLLIKA, *SCT '97*

launched JRM Comm, a public relations and social media marketing consultancy in Buffalo, N.Y.

ROBERT CHACKO, *SBM '98*

launched Samsaric Brewery in Philadelphia. The company's nonprofit arm raises funds to provide food, water and medicine to countries in need, and art education to children in underserved communities.

WENDY T. EDSALL-KERWIN, *TYL '98*

showed work in two art exhibitions this year. "Memory & Shadow" was included in *Forged* at Target Gallery in Alexandria, Va., in May. She also was invited to create a piece for the *Teapot Redefined* 2012 invitational exhibition at Mobilia Gallery in Cambridge, Mass., in June.

HAL I. GULLAN, *CLA '98*

published *Toomey's Triumph: Inside a Key Senate Campaign*, with Temple University Press. He also wrote *The Upset That Wasn't: Harry S. Truman and the Crucial Election of 1948*, *Jumping Through Hoops: Why Penn Wins* and *First Fathers: The Men Who Inspired Our Presidents*.

SHAVON L. JONES, *LAW '98*

launched 40orSo.com, an online community for professional women between the ages of 35 and 45.

NICOLE (ZUMMO) KRAUS, *TYL '98*

published an article in the February 2012 issue of *SchoolArts* magazine titled "Snow Art."

LONG NGOC PHAN, *DEN '98*

was named one of Southern California's "favorite dentists" by *Inland Empire* magazine, based in Riverside.

ERIN C. WALTZ, *CLA '98*

founded Counseltations, a counseling and consulting practice serving children and adolescents in Harrisburg, Pa.

RICHARD C. LIU, *CHPSW '99*

was elected chair of the board of SEAMAAC (Southeast Asian Mutual Assistance Association Coalition Inc.), a nonprofit services organization for immigrant and refugee communities in Philadelphia.

## 2000s

JESSICA L. GERLACH, *SCT '00*

directed *Small Small Thing*, a film documenting women's rights issues in Liberia.

KIMI TAKESUE, *SCT '00*

debuted her latest documentary, *Where Are You Taking Me?*, at Anthology Film Archives in New York City. The film documents life in postwar Uganda.

KENNITA L. BURNS-JOHNSON, *CST '01*

earned a doctor of osteopathic medicine degree from the Philadelphia College of Osteopathic Medicine.

ANDREW HUANG, *DEN '02*

completed a two-year, post-graduate residency in comprehensive esthetics and advanced fixed prosthodontics at Esthetic Professionals Dental Education Center in Tarzana, Calif. He owns Santa Teresa Dental in Morgan Hill, Calif., with his wife, Ann Lien.

BRIAN P. IGLESIAS, *SCT '02*

started a video production company, Veterans Expeditionary Media, based in New York City.

CHRISTIAN J. GIUDICE, *SCT '03*

published *Beloved Warrior: The Rise and Fall of Alexis Argüello* with Potomac Books.

STEPHANIE J. PEET, *LAW '03*

was elected to the board of directors of Developmental Enterprises Corp. She also is an associate in the Philadelphia law firm of Jackson Lewis LLP.

PETER B. RANIERI, *TYL '03*

served as crafts judge for the 46th Annual Media Art Exhibit and Craft Fair in May. He also teaches metal arts and ceramics at Harrington Senior High School in Rosemont, Pa.

JASON READ, *SBM '03*

was nominated for the James E. Sullivan Award, which honors outstanding amateur athletes in the U.S. He is head coach of Temple women's rowing and also is a former gold-medal Olympian.

JENNIFER HECKMAN BRESLIN, *CLA '04*

graduated from University of Arizona with a PhD in clinical psychological science. She recently accepted a position as director of program development at CODAC Behavioral Health in Tucson, Ariz.

SUSAN J. KIM, *MED '04*

joined Southcoast Centers for Cancer Care in Fall River, Mass., as a medical oncologist.

ELIZABETH E. MAPLESDEN, *TYL '04*

was named a finalist in the "Album Art/Photography" category of the 11th Independent Music Awards, an international competition featuring more than 250 nominees. Her work also was included in *Graphic Design USA* magazine's American Graphic Design Awards for the third year in a row.



## CLASS OF 1961

# RICHARD DEBLASIO

**DEGREE:** AAS, College of Engineering, 1961

**OCCUPATION:** Energy visionary

**LOCATION:** Denver

Since the environmental movement began in earnest in the 1960s, ideas about energy and the environment have been bandied about by political candidates, newscasters and interest groups alike. But Richard DeBlasio, *ENG '61*, chief engineer of renewable energy at the National Renewable Energy Lab (NREL) in Denver, focuses on the practical aspects of renewable energy and how to add them to the existing palette of the nation's energy sources.

"Energy is a critical path to the future welfare of America," says DeBlasio, pictured right at NREL. "It means not having to be dependent on any entity to provide it." When discussing the independence that renewable energy can bring, he adds, "On an even playing field, renewable technologies will be our gift to our children and future generations. That's how important they are to a secure, safe and healthy America."

That passion has fueled DeBlasio since he joined NREL in 1978. For more than 30 years, he has been devoted to smart grid technology; that is, ensuring that renewable sources can be interconnected with existing electric grids, so that energy created by wind, the sun and water might help light a lamp in a house down the road.

Today, the method for interconnectivity he developed is the national standard, making alternative energy sources more accessible, practical and viable than they have been in the past. For that standardization, DeBlasio won the 2010 Charles Proteus Steinmetz Award from the Institute of Electrical and Electronics Engineers.

He and his colleagues have conquered the technical side of things, and it is only the legalities—such as acquiring the rights to actually interconnect grids, both with local government and other energy suppliers—that need to be hammered out before smart grids become a reality.

Though cultivating renewable energy is more expensive than harnessing traditional sources such as coal, DeBlasio says the expense pales in comparison to other positive factors, such as safety, security and benefits to our health and environment.

"We need to overcome the idea that renewable energy is desirable, but too expensive," he says. "The notion only drives renewable energy to the bottom of the list of options."

Despite its challenges, DeBlasio believes that renewable energy is independent energy, and the path to a brighter future for the U.S.

—Alix Gerz, SCT '03, CLA '05



Dennis Schroeder, National Renewable Energy Laboratory

*"Renewable technologies will be our gift to our children and future generations. That's how important they are to a secure, safe and healthy America."*

ANN E. CORNELL, SCT '05

was hired as editor-in-chief of *The Reporter* in Lansdale, Pa.

EMRAN EL-BADAWI, CLA '05

earned his PhD from the Department of Near Eastern Languages and Civilizations at University of Chicago. He also is the first director of the Arabic Program at University of Houston.

EMILY GEESAMAN, SCT '05

joined Buchanan Public Relations in Ardmore, Pa., as senior account executive. She will oversee traditional and social media relations and provide strategic communications counsel to clients.

DAVID A. KING, EDU '05

was named president of Malone University in Canton, Ohio. He previously was provost at Eastern University in Philadelphia.

JASON M. BRESLER, DEN '06

received the 2012 Kornberg Alumni Association Humanitarian Award for his longstanding volunteerism in the Kornberg School of Dentistry's Haiti project. He oversees the student group's administration of dental care to the citizens of Haiti, and also volunteers for the Special Olympics Special Smiles program.

SILAS A. CHAMBERLIN, CLA '06

was promoted to director of stewardship and interpretation at Delaware & Lehigh National Heritage Corridor, a nonprofit that seeks to conserve cultural and natural resources in the counties in Pennsylvania that include the Delaware and Lehigh canals. He also serves on the Pennsylvania Trails Advisory Committee, and is a doctoral candidate at Lehigh University in Bethlehem, Pa.

NED RAUCH MANNINO, SCT '06

published *FingerTip Island II: The Vincenzos' Bully Problem*, with Better Karma LLC. It is the second installment of his fantasy book series, *FingerTip Island*.

NAOKO MASUDA, SCT '07

collaborated with Jack Klotz, SCT '89, associate professor of broadcasting, telecommunications and mass media at Temple, on "Fukkatsu no Uta," or "The Song of Rising," a song to raise funds for those affected by the 2011 earthquake and tsunami in Japan. She also is a senior web developer at Temple.

HEALEY C. WHITSETT, CLA '07

wrote "High Debt, Low Information: A Survey of Student Loan Borrowers," a paper examining how well students understand debt. The paper was published by NERA Economic Consulting in Philadelphia, where she is a senior analyst.



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**ROBERT C. PALLADINO, TYL '08**

served as jury presenters chair for Canstruction, an international community-service event organized by the design and construction communities. Philadelphia design teams competed by building structures made of canned food. The structures were displayed in the rotunda at Liberty Place in Center City in May.

**ERNEST K. STUART, MUS '08**

launched the first Center City Jazz Festival, an event that brought more than 50 musicians to four jazz venues across Philadelphia.

**KATHERINE E. YORI, CHPSW '08**

participated in Wheels for Wells, a 400-mile bike ride from Nags Head, N.C., to Ocean City, N.J., to raise funds to help bring clean water to depressed areas of northern Africa.

**MINKA D. FARTHING-KOHL, SCT '09**

debuted his new short film, *Cheap Extermination*, at the annual South by Southwest Film Festival in Austin, Texas.

**2010s****ARIANA RAE D. DENNIS, TYL '10**

served as event chair for Canstruction, an international community-service event organized by the design and construction communities. Philadelphia design teams competed by building structures made of canned food. The structures were displayed in the rotunda at Liberty Place in Center City in May.

**MICHAEL P. ERB, SCT '10**

writes for Minyanville.com, an Emmy award-winning site that provides information for stock investors and traders.

**WALTER D. JOHNSON, ENG '10**

was promoted to navy seaman upon graduation from Recruit Training Command in Great Lakes, Ill.

**ASHLEY D. KELLEY, SCT '10**

starred in a production of *Ain't Misbehavin'* at the Rep Theater in Portsmouth, N.H.

**JESSICA LAWLOR, SCT '10**

was hired as marketing and communications coordinator for Visit Bucks County, the official tourism promotion agency for Bucks County, Pa.

**ANDREA M. PETRUCCI, TYL '10**

served as public relations chair for Canstruction, an international community-service event organized by the design and construction communities. Philadelphia design teams competed by building structures made of canned food. The structures were displayed in the rotunda at Liberty Place in Center City in May.

**CHELSEA ROSIEK, CLA '10**

is head coach of the girl's varsity lacrosse team at Wissahickon High School in Ambler, Pa.

**SARAH Z. SALEM, TYL '10**

served as fundraising chair for Canstruction, an international community-service event organized by the design and construction communities. Philadelphia design teams competed by building structures

made of canned food. The structures were displayed in the rotunda at Liberty Place in Center City in May.

**ERIC SCHUMAN, SCT '10**

was hired as on-air host and production coordinator at WXPB, an affiliate of National Public Radio based at the University of Pennsylvania.

**ADAM J. TETERUS, SCT '10**

manages Independents Hall, a co-working space and community in Philadelphia.

**KYLE BAGENSTOSE, SCT '11**

was named editor of *Plymouth-Whitemarsh Patch*, a hyperlocal news website based in Conshohocken, Pa. He also is a contributing writer for *Temple*.

**THELMA S. GUTIERREZ, SCT '11**

completed U.S. Navy basic training at Recruit Training Command, Great Lakes, Ill.

**KATHERINE E. KNOWLTON, LAW '11**

is an associate in the foreclosure and bankruptcy department in the law firm of Parker McCay in Mount Laurel, N.J.

**KEN N. SIBANDA, LAW '11**

will direct *Species Venus*, a science-fiction film based on one of his short stories.

**CHARLES RAY STARNES, LAW '11**

was named an associate in the governmental liability and civil rights defense department in the law firm of Lamb McErlane PC in West Chester, Pa.

**LOUIS M. CAPECCI, MED '12**

earned a surgical internship at Allegheny General Hospital in Pittsburgh.

**RICHARD R. DEEVER JR., CLA '12**

is news director and host of *Morning Magazine* at radio station KRMS News-Talk 1150 AM-97.5 FM in Osage Beach, Mo.

**ASHLEY R. YEZUITA, CLA '12**

joined Teach for America, a national corps of recent college graduates who commit to teaching for two years in under-resourced public schools.

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You also may mail your notes to:

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TASB/1852 N. 10th Street  
Philadelphia, PA 19122

# IN MEMORIAM

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

## 1920s

Florence Ahlfeldt Rodgers, *CLA* '20

## 1930s

Helen Burke Hauser, *MUS* '32

James W. Freeborn, *EDU* '35, '46

Gertrude K. Bratton, *CHPSW* '36

Hyman Cohen, *SBM* '36

Helen M. McCoy, *EDU* '36

Lewis Beloff, *MED* '37

Mary Reineberg Buchard, *POD* '37

Donald B. Smith Sr., *LAW* '37

Agnes Zacharias, *CHPSW* '38

Doris Severns Pappas, *EDU* '39

## 1940s

George V. Fagan, *EDU* '40, *CLA* '41

Richard H. Rauch, *LAW* '40

Betty Deibert Boyer, *CHPSW* '41

Marian T. Bradley, *SBM* '41

Eugene Brody, *PHR* '41

Frank Garrett, *PHR* '41

Jessie E. Marco, *CHPSW* '41

Lorraine Walker Bardsley, *EDU* '42

Charles Bernstein, *DEN* '42

Anthony J. Bucalo, *DEN* '42

Albert P. Hass, *DEN* '42

Morton Koff, *POD* '42

Beatrice D. Leder, *EDU* '42

Thomas M. Aissis, *DEN* '43

Dorothy Bothwell, *EDU* '43, '63

Martin Siegel, *CST* '43, *DEN* '46

John M. Edmiston, *MED* '44

Ina Lois Johnson, *CHPSW* '44

Royal T. Popper, *DEN* '45

Leon B. Katz, *DEN* '47

John J. Sylvester, *CHPSW* '47

Kathleen M. Bayer, *CST* '48

Beattie H. Jarvis, *CHPSW* '48

Edith W. Van Wagoner, *EDU* '48

Leonard Wasserman, *SBM* '48

Benjamin J. Bond Jr., *SBM* '49

Robert J. Cohen, *SBM* '49

Henry G. Matz, *EDU* '49, '57

Aaron R. Miller, *EDU* '49, '60

Gerald I. Prescott, *SBM* '49

Flora Lucille H. Rauer, *MED* '49, '50

G.S. Scarborough Jr., *SBM* '49

## 1950s

Jerome Brody, *SBM* '50

Daniel J. Celia, *ENG* '50

William G. Hall, *SBM* '50

Blanche G. Harman, *CLA* '50

Charles R. McHugh, *SBM* '50

James Grieve Smith Sr., *EDU* '50

John W. Cox, *SBM* '51

Pasquale J. Di Quinzio, *CLA* '51

Ralph J. Smith, *SCT* '51

George L. Hatza, *ENG* '52

Ellwood Kauffman, *CST* '52

Joseph R. Mattioli, *DEN* '52

Harold L. Sharadin, *DEN* '52

Joseph R. Sommer, *SBM* '52

Nelson G. Harris, *LAW* '53

Charles A. Parker, *CLA* '53

Walter M. Rhoades, *EDU* '53

Frank R. Ryan, *CLA* '53, '55

William L. Walter, *EDU* '53

Ruth Fanta, *POD* '54

John J. Kane, *SBM* '54

Laura Cheatham Cousins, *CST* '55

Roger Scott Hertz, *EDU* '55, '72

David Krasner, *DEN* '55

Robert F. Yackel, *DEN* '55

Robert S. Zane, *ENG* '55

Myra Magid Appleton, *SCT* '56

Paul J. Dobransky, *EDU* '56, '63

Robert Moss, *POD* '56

Donald P. Robinson Sr., *ENG* '56

Eugene Sebastianelli, *PHR* '56

John E. Whare Jr., *EDU* '56

Edward James Armstrong, *SBM* '57

Lloyd Andrew Good Jr., *LAW* '57

William C. Porter, *CST* '57

Robert E. Stevenson, *MED* '57

H. Orvin Strickler, *DEN* '57

Michael F. Giovenella, *EDU* '59, '63

## 1960s

V. Nan Angevine Apfelbaum, *CHPSW* '60

Henry Robert Boney, *EDU* '60

Roy Lester Cameron Jr., *LAW* '60

Robert A. Holmes, *MED* '60

Charles W. Smith, *DEN* '60

Theodore Theodore, *SBM* '60

William C. Albright, *SBM* '61

Dawson E. Hoffman Jr., *EDU* '61

Theodore S. Jackaway, *MED* '61

Charles T. Maat, *EDU* '61

Enrique J. Martinez, *CLA* '61

Robert P. Rago, *EDU* '61

Harry R. Reeve, *SBM* '61, '65

Joyce G. Agostini, *EDU* '62

Melvin D. Butler, *EDU* '62

John R. Combs, *ENG* '62

Ronald R. Davenport, *LAW* '62

Ronald N. Downs, *SBM* '62

Robert Dean Edwards, *MED* '62

Berton F. Greenstein, *SBM* '62

Robert E. Griggs, *ENG* '62

George Kauffman, *EDU* '62

Anne P. Liebert, *TYL* '62

Edgar T. McGowan Sr., *EDU* '62

Helen Lucille Mentzer, *EDU* '62

T. Michael Stoltz, *CLA* '62

Michael Wachs, *SBM* '62

Donald J. Hershey, *EDU* '63

Richard J. Koch, *EDU* '63

Beulah S. Rothstein, *EDU* '63

Louis J. Citrone, *ENG* '64

Ruth M. Gottschall, *CHPSW* '64

Franklin Keil Kessler, *EDU* '64

Alfred A. Maurer, *CHPSW* '64

Victor D. Petaccio, *CLA* '64, '74

Joseph H. Wellendorf, *ENG* '64

James K. Davis, *EDU* '65

George Daniel Fedoruk, *CLA* '65, *EDU* '71

Ernest H. Firestone, *EDU* '65

I. Lee Hartman, *CLA* '65

Clifford John Stevenson Jr., *ENG* '65

David V. Swartz, *EDU* '65

Gene J. Grubb, *EDU* '66

Jill A. Little, *EDU* '66

Ilsa E. West, *CLA* '66

Almont Bechtel Jr., *SBM* '68



Courtesy of The Philadelphia Inquirer



## JOHN ROBERTS

John B. Roberts, former professor in the School of Communications and Theater, passed away March 8, 2012. He was 94. A Temple professor from 1946 to 1988, Roberts helped found Temple radio station WRTI-FM in 1953.

Throughout his career, Roberts inspired countless students to pursue careers in communications.

“John Roberts set a near-perfect example for those of us who were practicing journalists and then entered the academic world,” says Paul Gluck, *SCT* '76, associate professor of broadcasting, telecommunications and mass media, and general manager of TUTV. “He was an erudite presence who offered insight to students as an educator, and served as a model for media professionals.”

Vernon S. Blank, *ENG* '68  
Thomas Francis Lanagan, *EDU* '68  
Martin F. Shannon, *ENG* '68  
Terry Lee Bartolet, *MED* '69, '74  
James R. Geiger, *EDU* '69  
James N. Keiler, *EDU* '69, '76  
Merrill A. Meneeley, *EDU* '69  
Geraldine E. Ross, *CLA* '69  
Dennis C. Schmid, *EDU* '69

### 1970s

Frank Amoroso Jr., *ENG* '70  
Martin Arthur Bashoff, *MED* '70  
Joseph F. Campbell, *SBM* '70  
John E. Lynch Jr., *EDU* '70  
Carol Sue Underwood, *EDU* '70  
Patty R. Bayley, *SCT* '71  
Henri Deutsch, *CLA* '71  
Lawrence J. Malloy, *SCT* '71  
Joan C. Turner, *EDU* '71  
Rita N. Cancila, *EDU* '72, '74, '78  
Rita M. Freedman, *CST* '72, *SBM* '82  
Joan Runyan Harrington, *TYL* '72  
Gary M. Keisling, *SBM* '72  
Barbara R. Ryan, *CLA* '72, *CLA* '80  
Helen Keller Swaincott, *EDU* '72, '80, *CHPSW* '47  
Corinne O. Cody, *EDU* '73, '83  
Robert W. Marsch II, *ENG* '73  
Michael J. Neustadter, *SBM* '73  
Bruce A. Singer, *DEN* '73, '75  
Leon V. Skalish Jr., *SCT* '73  
John D. Stewart, *LAW* '73  
Warren William Wales, *TYL* '73  
William Morley Wright, *SBM* '73  
Peter Paul Aiello, *SBM* '74  
Cyril O. Byron Sr., *EDU* '74  
Ruth West Fechter, *EDU* '74  
David J. Ference, *PHR* '74  
Michael Fleishman, *EDU* '74  
Donald Joseph Martin, *EDU* '74

Joan Dian Zeidner, *CLA* '74  
Pamela Ann Hardy, *SSW* '75, '78  
William I. Hopkins, *CLA* '75, '79  
Lynn R. Jammer, *MED* '75  
Leonard Macalush, *PHR* '75  
Patricia A. Wilson, *CLA* '75  
William J. Collins, *EDU* '76  
Katherine Blakeley Teich, *CLA* '76  
Barbara P. Neiderhiser, *CHPSW* '77  
Yvonne A. Norman, *CLA* '77  
Pearlia Brenner Palmer, *EDU* '77  
Robert R. Burnley, *EDU* '78  
Alan L. Dayno, *MED* '78  
Dawson E. Hoffman, *PHR* '78  
George W. Littel, *EDU* '78, '81  
Clarice W. Meade, *EDU* '78, '81  
John J. Oakes Jr., *EDU* '78  
Marian Rothbart, *CLA* '78, *EDU* '82  
Steven Sroczyński, *SBM* '78  
Anna L. Feldman-Rosen, *CHPSW* '79  
Philip B. Hultgren, *MED* '79  
Dorothy P. Kaiser, *EDU* '79  
James A. Williamson, *POD* '79

### 1980s

William T. Gratz, *EDU* '80  
Donald R. Zook, *EDU* '80  
James E. Erl, *SCT* '81  
Francis A. Pendino, *SBM* '82  
Joseph F. Greipp, *CHPSW* '83  
Lawrence R. Piltman, *EDU* '83  
India E. Warren, *SBM* '83  
Roger B. Fargo, *SBM* '84  
Laura Sincoskie Lee, *SBM* '85  
Laura Furst Jacobs, *MED* '86  
Otto K. Wydogen, *SBM* '86  
Lisa Aguanno Bujnowski, *CLA* '87  
Barbara G. McCloskey, *SSW* '87  
Joseph F. Dagui, *PHR* '89  
Michael J. Przywara, *DEN* '89  
David E. Shaffer, *SBM* '89

### 1990s

Christopher Getch, *MED* '90  
Laurie S. Fetchko, *CHPSW* '92  
Anthony L. Kunkel, *SBM* '93  
John K. Meier, *ENG* '94  
Robert E. Cahill, *EDU* '96  
Sandra Nelson Morris, *EDU* '96  
Fitz Eugene Dixon Jr., *HON* '97  
Anne W. Hummer, *EDU* '98  
Paris E. Smith, *SBM* '98  
Mark S. Chapell, *CLA* '99

### 2000s

Nancy A. Bobkoskie, *EDU* '01  
George Shore, *CLA* '03  
Ian L. Hemphill, *LAW* '04  
Paul-Michel Dipaolo, *PHR* '05  
Leophus King, *CLA* '05  
David M. Zuilkoski, *EDU* '05, '06  
Isabel Diaz, *SBM* '08

**To submit a name for this list, email [templemag@temple.edu](mailto:templemag@temple.edu) or call 215-926-2562.**

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**To view “In Memoriam” online, visit [myowlspace.com/memoriam](http://myowlspace.com/memoriam).**

“Dissent is a major part of U.S. history. No sooner had the Puritans landed in Massachusetts Bay than Roger Williams was out running afoul of the authorities. The ultimate dissenting action was the American Revolution.”

---

RALPH YOUNG, ASSOCIATE PROFESSOR OF HISTORY

*Dissent in America: The Voices That Shaped a Nation*, Pearson Longman, 2008

#### SHOW AND TELL

Have you recently come across a quote from an Owl that inspired you? To share it, email the quote and the name of the person to whom it is attributed to [templemag@temple.edu](mailto:templemag@temple.edu). It might be included in an upcoming issue of *Temple*.





Thanks to Dr. Fred Simeone, *CST '56, MED '60*, for sharing his Owl pride and extensive classic racing car collection. Learn more about the Simeone Foundation Automotive Museum in Philadelphia at [www.simeonemuseum.org](http://www.simeonemuseum.org).

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DATE	OPPONENT	LOCATION
Fri., Aug. 31	Villanova University <i>MAYOR'S CUP!</i>	Lincoln Financial Field
Sat., Sept. 8	University of Maryland	Lincoln Financial Field
Sat., Sept. 22	Penn State University	University Park, Pa.
Sat., Oct. 6	University of South Florida <i>HOMECOMING!</i>	Lincoln Financial Field
Sat., Oct. 13	University of Connecticut	East Hartford, Conn.
Sat., Oct. 20	Rutgers University	Lincoln Financial Field
Sat., Oct. 27	University of Pittsburgh	Pittsburgh, Pa.
Sat., Nov. 3	University of Louisville	Louisville, Ky.
Sat., Nov. 10	University of Cincinnati	Lincoln Financial Field
Sat., Nov. 17	U.S. Army <i>To air on CBS College Sports Network</i>	West Point, N.Y.
Fri., Nov. 23	Syracuse University <i>To air on ABC, ESPN or ESPN 2</i>	Lincoln Financial Field

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