

# DUKE

SEPTEMBER-OCTOBER 2012

MAGAZINE



## Ideas INTO Action

How philanthropy has fueled  
a legacy of big thinking 24

A portrait of James F. Bonk, an elderly man with glasses, wearing a dark suit, white shirt, and a blue and white striped tie. He is smiling and holding a book titled "Chemical Principles" (Sixth Edition) with a colorful abstract cover. The background is a dark, neutral color.

James Bonk

A Duke Legend

James F. Bonk's enduring legacy at Duke is as the founding father of "Bonkistry"—the introductory chemistry class that he taught for more than four decades.

During his long Duke career, Dr. Bonk taught more than 35,000 students and made numerous contributions to the growth and development of the sciences at Duke. As director of undergraduate studies, he developed chemistry courses, advised students, and managed the department's independent study program. He helped design the lecture hall and teaching laboratories in Gross Chemistry Lab as well as the teaching labs in the French Family Science Center. His contributions as a teacher at Duke have been acknowledged with several awards, including the David and Janet Vaughn Brooks Distinguished Teaching Award, the Dean's Distinguished Service Award, and last year, the university's highest honor, the University Medal.

Tennis remained a passion of Dr. Bonk's. Self-taught, he began playing tennis as an undergraduate and later competed on his college team. While on the faculty at Duke, he served as volunteer assistant coach for the men's tennis team and as a trusted team advisor. In recognition of his role, Duke has named the trophy room in the Sheffield Tennis Center and a court in Ambler Tennis Stadium in Dr. Bonk's honor.

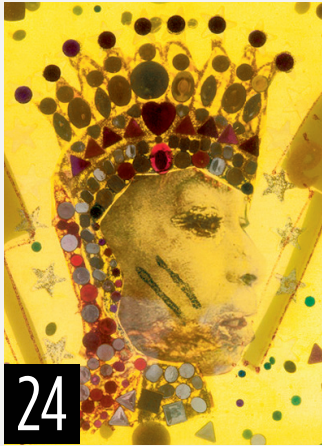
A member of the Duke Heritage Society and the James B. Duke Society, Dr. Bonk established a bequest intention to fund the James F. Bonk Tennis Scholarship. "Duke provided me with the opportunity to teach chemistry at one of the finest universities in the world," he said. "This scholarship is my gift to future Duke students. I hope others will consider making a similar commitment through their estate plans."

To learn about deferred giving at Duke, explore <http://giving.duke.edu/giftplanning> or contact:

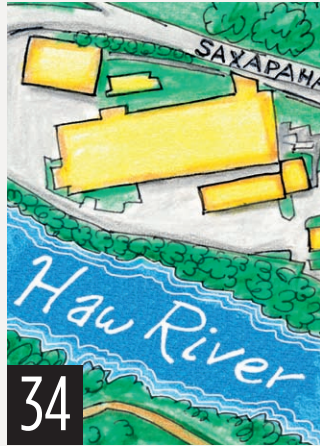
DUKE UNIVERSITY  
GIFT PLANNING

**Duke University Office of Gift Planning**  
Box 90600  
Durham, North Carolina 27708  
Phone (919) 681-0464  
Fax (919) 684-9731  
Email [gift.planning@dev.duke.edu](mailto:gift.planning@dev.duke.edu)

## FEATURES



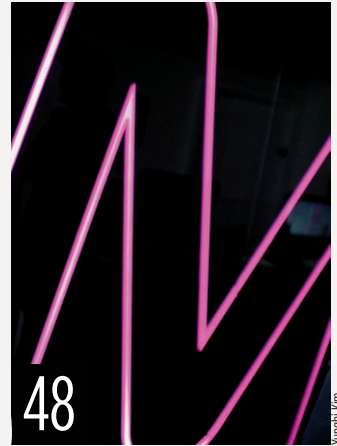
Courtesy Duke Health Lab



V. Collum Rogers



Doan Young



Yunghi Kim

### COVER

#### **Go Forward, Boldly** *By Robert J. Bliwise*

The new Duke Forward campaign isn't just about maintaining Duke's progress. It's about supporting a campus that does best when it thinks big.

#### **Rivertown Revival** *By Fiona Morgan*

On the banks of the Haw River, a family of Duke alumni rebuilds Saxapahan, bringing a mill town with a storied past into the present.

#### **Follow the Joy** *By Paul Baerman*

Undergrads take on faculty in an annual contest that's redefining the Duke culture. What's the big deal about entrepreneurship?

#### **Living the Brand** *By Daniel Riley*

Maneesh Goyal '97 turned a knack for throwing a great party into a marketing powerhouse by making people want what they never knew they wanted.

COVER: Illustration by Kazu Nitta

## DEPARTMENTS

### 4 **Forum**

### 7 **THE Quad**

Free Duke courses on a computer near you; plus, students on the stump, and a trove of old graffiti, rediscovered



### 19 **Ideas**

No, you can't multitask while driving

### 22 **Observer**

A student's ministry fellowship is a moving experience

### 53 **Muse**

An alum's book solves the crime of the century



### 56 **Sports**

Duke's medal-winning divers, back for an encore

### 59 **ForeverDuke**

DAA activities and connections

### 63 **ClassNotes**

### 77 **Classifieds**

### 78 **Retro**

Custodian's small gesture has a large legacy

### 80 **Devil's Own**

A sewing kit that weaves an intriguing tale



# FULLFRAME

First impression: Members of the Class of 2016 let out a collective cheer as they line up for their class photo. Read more about Duke's newest cohort on page 8. *Photo by Jon Gardiner.*





EDITOR:

Robert J. Bliwise A.M. '88

MANAGING EDITOR:

Michael Penn

ASSOCIATE EDITOR:

Bridget Booher '82, A.M. '92

CLAY FELKER MAGAZINE FELLOW:

Elissa Lerner '08

STAFF ASSISTANT:

Delecia Hatcher

PUBLISHER:

Sterly L. Wilder '83, Associate Vice President, Alumni Affairs

STUDENT INTERNS:

Dan Altman '15

Tim Lerow '15

Michael Schreiner '15

SPECIAL SECTIONS EDITOR:

Jacob Dagger '03

DESIGN CONSULTANT:

Lacey Chylack, phase5creative inc.

PRINTER:

Progress Printing

OFFICERS, DUKE ALUMNI ASSOCIATION:

Jeff Howard '76, president

Sterly L. Wilder '83, secretary-treasurer

EDITORIAL ADVISORY BOARD:

Peter Applebome '71, chair

Sarah Hardesty Bray '72; James Burnett '98

William Cohan '81; Jennifer Farmer '96

Jerrold K. Footlick; Robbyn Footlick '85

Edward M. Gomez '79; Devin Gordon '88

Kerry E. Hannon '82; John Harwood '78

Dave Karger '95; Sara Lipka '01; Julia Livshin '96

Valerie A. May '77; Susannah Meadows '95

N. Page Murray III '85; Will Pearson '01

Lauren Porcaro '96; Shaun Raviv '01

Jim Rosenfield '81; Jon Scher '84

Lesley Jane Seymour '78; Elizabeth Spiers '99

Greg Veis '03; James O. Wilson '74

Robert J. Bliwise A.M. '88, secretary

Clay Felker '51, founding chair

DUKE MAGAZINE

Box 90572, Durham, N.C. 27708

PHONE: (919) 684-5114; FAX: (919) 681-1659

E-MAIL: dukemag@duke.edu

ADDRESS CHANGES:

Alumni Records, Box 90581, Durham, N.C. 27708

or e-mail [bluedevil@duke.edu](mailto:bluedevil@duke.edu)

© 2012 Duke University

Published bimonthly by the Duke Alumni Association



# Forum

## UNDERTHEGARGOYLES

**S**tudents today: If there's one generational quality they share, it's their tendency to be self-revealing in their wired lives. At least a rough measure of the newest class, the Class of 2016, can be taken through their constantly evolving collective self-portrait—including their orientation-period Twitter postings.

In the Class of 2016 Twittiverse, early impressions are, of course, embellished by excitement-signaling exclamation points, as in, "College is so epic! Duke is so incredible!" and "The campus is so alive!" Then there's the sense of long-postponed reward and redemption (accompanied by characteristically compressed phrasing): "Whydidnitgotocollegesooner?" There are accounts, revealing in their own way, of consumption habits in a new campus environment: "Pegram invaded Whole Foods," or "The Super Target in Durham is totally cleaned out"—perhaps linked with the observation that "I really like my new room especially since I have a walk-in closet."

And there are expressions that belong in their own (over-the-top) category: "Omg so overwhelmed omg omg omg #Duke2016 #soexcited!!!!"

Caught up as they are in sharing what's new to them and what's familiar to long-timers, the first-year Tweeters sent forth a set of orientation images: encountering a giant inflatable water slide; taking in a jazz performance at the East Campus coffeehouse, an outdoor movie-screen showing of *Ferris Bueller's Day Off*, and a Durham Bulls game; painting the East Campus bridge; and lining up for the classic class photo.

It's also revealing to see how Christoph Guttentag, dean of undergraduate admissions, showcases the class to itself—and to the assembled university officials—during Convocation in August. (For freshmen, the setting is the Duke Chapel; their parents have a remote-viewing opportunity in Page Auditorium, a separation that anticipates the larger and longer separation to come.)

As he usually does, Guttentag singled out some unusual achievers. The class includes one student who created a third-party voter-registration organization, one who was recognized as the longest-serving volunteer at a zoo, one who organized the weekly picking of more than 1,000 pounds of fresh fruit from neighborhood trees to be delivered to the local rescue mission, one who won a state title in Golden Gloves boxing, one who owned a karate school at the age of sixteen, one who won a national title in Tae Kwon Do, one who galvanized a neighborhood to force the cleanup of a local toxic-waste site, one who performed research that was published and presented

at a conference in behavioral anthropology, one who appeared in the movie *Little Miss Sunshine*, and one who performed as a child soloist with the Metropolitan Opera.

"One of you has survived a life-threatening grizzly-bear attack in the Talkeetna Mountains of Alaska," Guttentag told the class. "After that, how hard can finals be?"

—Robert J. Bliwise, editor



Class of 2016: One view of a fascinatingly diverse, self-reflecting group of students

## LETTERS

### All About Ethics

“What’s In It for Me?” [May-June 2012] is a very insightful treatise. The only difficulty is that people would have to be ethical in the first place. Most people will not sacrifice their well-being for a proposed benefit to society in general. Unfortunately, the incentive system is so ingrained in the world that if it were eliminated, the wheels of commerce would stop turning and you could be inviting another financial meltdown.



**If one does not consider the plight of fellow human beings then the whole purpose of education is lost.** —FREDERICK SARGOLINI

People have not had enough exposure to philosophy. My first two years of college were at Duke University. I had a very difficult premed course, and [was not able to compete with] students who had come fully prepared to take advantage of all the university could offer.

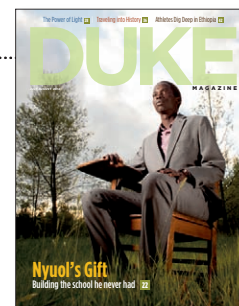
There was no ethical preparation at Duke, so I transferred to Fairfield University, a Jesuit institution that stresses a total appreciation of religion and philosophy. When you go through that much ethical training, your perspective changes. The primary objective is not only to be a good doctor, but also to be a good person. [Without philosophy and ethics, college] becomes survival of the fittest, getting ahead in any way as long as it is legal. If one does not consider the plight of fellow human beings then the whole purpose of education is lost. [Instead of caring for those who are less fortunate,] you will care about how much power and money you can amass in the shortest possible time. The complete picture describes many on Wall Street, and will usually result in the big financial failure we have been enduring these last four years. Let’s hope the principles outlined here become pervasive in business circles. If not, we are in for a long, hard ride.

*Frederick Sargolini '60  
Hamden, Connecticut  
[commenting online at  
dukemagazine.duke.edu]*

### Kudos

The July-August 2012 issue was magnificent. It repeated many environmental and sociological themes that my partner and I discussed during our summer break for several weeks in the mountains of northern Vermont.

*Douglass T. Davidoff '80  
Arlington, Massachusetts*



to Crayton. I’m very glad that both are at Duke.

*Richard Langston Snodgrass J.D. '66  
Lewiston, Maine*

Tong is one of the most gifted, visionary, and courageous students I have met in fifteen years at Duke. His deep intelligence and gracious example have inspired and improved me.

*Maurice Wallace Ph.D. '95*

*Associate Professor of English and African and African American Studies, Duke  
[commenting online]*

### Tong for President

Cherry Crayton’s article “Brick by Brick” [July-August 2012] describing junior Nyuol Tong’s life experiences, struggles, aspirations, and achievements is powerful, inspiring, well-written, and thorough. She presents Nyuol Tong as a very remarkable leader—a superb hero who triumphs out of his struggles, but very real. With a little good fortune he should someday be his nation’s president.

She also makes clear that Tong’s awe-inspiring success in bringing education to his people demonstrates, as Tong says, that personal philosophy can be a tool used at its best when applied to meet the great challenges of life. This article should be on the reading list for Introduction to Western Philosophy courses.

Highest admiration for Tong. Kudos

### Classroom Flip

I was both saddened and overjoyed to read “Flipping the Classroom” about Dr. Stephen Craig’s work to overhaul the traditional lecture format of chemistry courses [July-August 2012]. Dr. Craig was one of the most talented and enthusiastic lecturers I had the privilege of learning from while at Duke (in his organic chemistry course in 2009), and I am confident his prowess at the whiteboard will be missed. Nonetheless, I am thrilled to learn of his efforts to be an innovator in the classroom. His experiment in the honors chemistry course melds

## Announcing *Duke Magazine* special editions



We’re trying something new with this issue of *Duke Magazine*. We’ve prepared a special section devoted to the Fuqua School of Business, which appears only in magazines sent to Fuqua alumni. This innovation—a partnership between *Duke Magazine* and Fuqua’s external relations team—is a first step toward delivering a more-personalized edition of *Duke Magazine* that is tailored to readers’ unique interests. Watch for more customized special sections in the future.

# UPDATE



The magazine's cover story in January-February 2005 looked at Duke's efforts to fight HIV/AIDS in Tanzania.

The story ended with an observation from Duke's Barton Haynes, a national leader in HIV/AIDS research: "Other scientists ask me why I am trying to work on vaccines that have been so difficult to develop. And my answer to them is this: 'These are the greatest pandemics the modern world has faced. Why are *you* not working on them?'"

Now Haynes HS '75 is director of the Center for HIV/AIDS Vaccine Immunology and Immunogen Discovery (CHAVI-ID), as well as director of the Duke Human Vaccine Institute. And he will be the Duke director of a large, seven-year grant for CHAVI-ID that will fund a highly focused program to discover how to induce the precise immune factors needed for effective vaccines against HIV.

For its role in the program, Duke will receive \$19.9 million for the first year, according to the National Institute of Allergy and Infectious Diseases. The institute originally established CHAVI-ID in response to recommendations of the Global HIV Vaccine Enterprise, a virtual consortium endorsed by world leaders at a G-8 summit in June 2004. Scripps Research Institute was selected as a second center to receive grant funding. The CHAVI-ID initiative overall may receive as much as \$186 million or more over seven years; Duke may receive more than \$139 million in total over the same period.

Those aren't the only resources targeting the pandemic: Also this summer, the Bill and Melinda Gates Foundation awarded a three-year, \$8.9 million grant to Haynes for work on developing vaccines that can induce certain antibodies for preventing HIV-1 infection.



adult learning theory, critical thinking, and teamwork to provide a rigorous education and ultimately realistic preparation for graduate school or careers. I am also pleased to know other lecturers and departments are taking note.

*Sarah J. Haseltine '08  
Reading, Pennsylvania*

## Leading Light

Highly interesting history of solar eclipse predictions ["President, Astronomer," July-August 2012]. The article very appropriately and perfectly frames Braxton Craven's picture within the solar disc. Great personality indeed he was.

*Satyendra Bhandari, commenting online*

## Hey, You Never Know

Well said, re: "Why Do People Buy Lottery Tickets?" [July-August 2012]. There is a very low probability of winning the lottery yet so many people waste their money playing it every day. Playing the lottery is just like taking your money and throwing it down the drain.

*limbo32, commenting online*

## CORRECTIONS

An article on Henry Petroski's new book ["Failure Is an Option," July-August 2012] mistakenly referenced the space shuttle *Challenger* in quoting an excerpt from Petroski's book. The quote referred to the space shuttle *Columbia*, which was destroyed on re-entry in February 2003 after a failure of the ship's insulating foam.

In the July-August 2012 article "President, Astronomer," a typographical error mislabeled Braxton Craven's astronomical pursuits as "astrological interests."

The Bookbag article in the July-August 2012 issue incorrectly stated that law professor Donald Horowitz was spending the semester at Duke's new Washington offices. While he is using the facility for his course, he is spending the semester at the National Endowment for Democracy.

Send letters to: Box 90572, Durham, N.C. 27708 or e-mail [dukemag@duke.edu](mailto:dukemag@duke.edu). Please limit letters to 300 words and include your full name, address, and class year or Duke affiliation. We reserve the right to edit for length and clarity. Owing to space constraints, we are unable to print all letters received. Published letters represent the range of responses received. For additional letters: [www.dukemagazine.duke.edu](http://www.dukemagazine.duke.edu).





# THE Quad

NOTEWORTHY FROM AROUND CAMPUS

**Fresh colors:** In an annual move-in tradition, students William Overton (bottom left), James Palmer, and Reilly Gorman decorate the East Campus Bridge with designs representing each East Campus dorm to welcome freshmen to their new home.

**BY THE NUMBERS**

**Class of 2016**

**1,718**

Total number of freshmen in Duke's entering class

**49**

Number of states represented (only Montana is absent in this year's class)

**51**

Number of countries

**175**

Number of freshmen from California and from North Carolina, states tied for first for sending the most freshmen

**1**

Number of freshmen who are licensed helicopter pilots

**1,008**

Number of hometowns represented in the freshman class

**47**

Percent of freshmen who are students of color, highest ever for Duke. The class also includes a record percentage of African-American students (11.5 percent) and Latino/a students (19.7 percent).

“More than anything, the trip reinforced the idea that the people I met during my travels are plenty equipped to address their own problems without outside meddling.”

—**Ahmad Jitan** '13, on his experience traveling in Doha, Qatar, and Cairo as part of the pilot Duke in the Arab World summer study-abroad program (*The Chronicle*)



“You can get many of the same biochemical markers from saliva as blood.... It's less expensive and invasive, and you don't even have to have a person who is cooperative.”

—**Diane Holditch-Davis** B.S.N. '73, Marcus E. Hobbs Distinguished Professor of nursing and host of the School of Nursing's "Spit Camp," a seminar on the clinical and research uses of saliva

“It's not easy, and it's definitely very time-consuming, but it's something I've gotten used to; I wouldn't want it any other way right now,”

—**Douglas Hanna** '13, on balancing his studies with his work as CEO of A Small Orange, a Web-hosting business with 30,000 customers and thirty-five employees (*Durham Herald-Sun*)

“My research over thirty-five years demonstrates that the effect of gun availability is not to increase the crime rate but to intensify the crime that exists and convert assaults into murders. I have never seen evidence that gun access influences the volume of violent crime. But when you add guns to a violent situation, you get a higher level of murder.”



—**Philip J. Cook**, professor of public policy, in the aftermath of the theater shootings in Aurora, Colorado (*The New York Times*)



Megan Morr

**Light moves:** A dancer is silhouetted by light projected from “The Uncertain Museum,” an interactive installation in the Nasher Museum.

“We had only two rules: Don’t look into the light, because it hurts; and don’t touch the glass discs, because they’re heavy glass discs.”

—**Wendy Hower Livingston**, manager of marketing and communication for the Nasher Museum of Art, on the ground rules for an American Dance Festival class that used Nasher’s walk-in installation “The Uncertain Museum” as a stage for a ten-minute performance

“I am an out and proud young gay man, and I am a Christian. That’s an impossible concept for many people to get their heads around because for so much of the church’s history the terms gay and Christian have been mutually exclusive.”

—**Jonathan York** ’15, testifying during a session at the July national convention of the Episcopal Church, during which bishops voted to allow priests to bless same-sex relationships

“There is really great writing out there. It may not suit everybody, but they shouldn’t dismiss it because of memories of their mother’s Harlequins.”

—**Katharine Brophy Dubois** ’89, visiting assistant professor of religion and history, on her success moonlighting as romance writer Katharine Ashe



“Ralph Lauren berets aside, the larger trends show that the tide has turned, and it is China’s turn to worry.... Technical advances will soon lead to the same hollowing out of China’s manufacturing industry that they have to U.S. industry over the past two decades.”

—**Vivek Wadhwa**, executive-in-residence and adjunct professor in the Pratt School of Engineering, on why he thinks the controversy over U.S. Olympic team uniforms being manufactured in China will be short-lived (*Foreign Policy*)



Digital evolution: Biology professor Mohamed Noor will offer his evolution course online.

Noor photo by Chris Hildreth

## Desktop Duke

University will begin offering free courses online.

Duke will join a dozen other universities in sharing course content on the Internet through Coursera, an online educational platform. The experiment, which begins with a handful of courses this fall, promises to change education both on and off campus.

The pilot courses—available free through Coursera’s website—will use video lectures and interactive quizzes and assignments to impart material. Lectures will be broken into segments as short as ten minutes, and students will have opportunities to interact through discussion forums and message boards. Courses typically will run from four to twelve weeks. Ten Duke faculty members have signed on to participate in the project, including such popular professors as biologist Mohamed Noor, behavioral economist Dan Ariely Ph.D. ’98, and philosopher Walter Sinnott-Armstrong.

Founded in 2011 by two Stanford professors, Coursera initially

offered courses from four universities: Stanford, Princeton, the University of Michigan, and the University of Pennsylvania. The company estimates it has nearly 1 million users in more than forty

countries. The move by twelve additional universities to sign on with Coursera—including the California Institute of Technology, the Johns Hopkins University, and the University of Virginia—is being hailed as one of the most significant developments in online learning, one that could reshape how universities share knowledge.

“Coursera has the potential to substantially influence how we teach our own students on campus, as well as to extend the reach of our faculty and show their intellectual strength on a global

scale,” says Provost Peter Lange. He adds that the partnership with Coursera is one of several Duke is exploring to improve teaching with technology.

### Who’s Teaching Online?

These Duke courses are expected to be offered on Coursera in the coming year:

**Introduction to Genetics and Evolution** - Mohamed Noor, biology

**A Beginner’s Guide to Irrational Behavior** - Dan Ariely Ph.D. ’98, behavioral economics

**Human Physiology** - Emma Jakoi Ph.D. ’74 and Jennifer Carbrey, cell biology

**Think Again: How to Reason and Argue** - Walter Sinnott-Armstrong, philosophy

**Medical Neuroscience** - Leonard White, neuroscience

**Bioelectricity: A Quantitative Approach** - Roger Barr ’64, Ph.D. ’68, biomedical engineering

**Health-Care Innovation and Entrepreneurship** - Marilyn Lombardi, nursing, and B.D. Barnes, biomedical engineering

**Introduction to Astronomy** - Ronen Plesser, physics

# FROM THE PRESIDENT

## GOING TO DUKE

Reflections from a summer spent exploring Duke's connections around the state and nation

In the summer months, as students depart and the school grows quiet, it's my custom to visit Duke sites away from campus. Duke is anchored in Durham, but Duke isn't only what happens in Durham. Last summer I traveled to see our medical school in Singapore and global-health and DukeEngage sites in Uganda and Tanzania. But human challenges aren't confined to foreign countries, so this summer, I set off to watch Dukies bringing intelligence and creativity to bear on problems in our own state and nation.

The urge to reach beyond this physical campus goes back to Duke's earliest days. In the 1930s, faculty in zoology saw the special research value of Pivers Island, near Beaufort, where the ocean flows in and out of North Carolina's vast inland sea. Duke acquired the land and opened the Duke Marine Lab's first buildings in 1938—only three years after the dedication of Duke Chapel.

Thanks to this early venturesomeness, Duke is now a global leader in the study of oceans, coastal ecosystems, and marine life. As our understanding of the interdependence of human and marine life increases, with changes in the marine environment certain to affect human societies in complex ways, this early investment becomes more strategic than ever. In late July, I participated in the groundbreaking for the new Orrin Pilkey Marine Science & Conservation Genetics Center at Beaufort, which will allow Duke researchers to use the latest scientific tools to expand our understanding of this crucial dimension of the world we share.

Alumni communities are another way Duke reaches out from sea to shining sea.

One thriving new example can be found in the Duke Global Entrepreneurship Network, or DukeGEN. In the past eighteen months, Duke has given heightened priority to innovation and entrepreneurship, in recognition that universities will be called more and more to deliver inventive solutions to fundamental needs.

In the process, we've discovered a large number of alumni who identify themselves as entrepreneurs.

DukeGEN taps into that energy and provides ways for alumni—4,500 and counting—to network and share strategies across a range of for-profit and not-for-profit endeavors.

In San Francisco in early June, I dropped in on a DukeGEN Angel Pitch event held at a small-business incubator called Rocket-Space—in other words, a place built to launch. Alumni and current students with bright ideas had submitted business plans in advance, and five had been invited to pitch their start-

### **I saw Duke students using all their charm, resourcefulness, and generosity of spirit to lead younger, less-advantaged students forward.**

ups before a panel of fellow Duke alumni in the venture-capital field—as well as a packed audience of curious peers. There was no shortage of invention, but the \$10,000 prize went to Ryan Luce '94 for a platform for connecting patients with clinical trials and educating them about potential benefits. The buzz in the room was palpable as the “veteran” entrepreneurs—some just a few years out of Duke themselves—served as mentors to those starting out. Another new meaning of what it means to “go to Duke.”

Closer to home, I saw the same engaged spirit being brought to bear on another problem area, K-12 education.

Over the years, Duke has developed a close relationship with the Freedom Schools and their founder, Marian Wright Edelman of the Children's Defense Fund. The Freedom Schools represent CDF's attempt to stem the summer learning loss that hampers the academic progress of children from economically disadvantaged communities. Research by Duke's Harris Cooper has shown that while children from middle-class families tend to advance their reading skills in summer



Duke engaged: Brodhead visits a Freedom School in Bennettsville, South Carolina, site of a DukeEngage project.

through exposure to enrichment activities, children from lower-income families tend to lose ground, ending the summer up to three months behind where they started.

The CDF's Freedom Schools have had a significant impact on this problem, and Duke has been an important contributor: We host a Freedom School for rising second- and third-graders on our own West Campus, and DukeEngage undergraduates have taught in Freedom Schools in Charlotte and Bennettsville, South Carolina, Edelman's hometown.

When I watched them in action in their classes, I saw Duke students using all their charm, resourcefulness, and generosity of spirit to lead younger, less-advantaged students forward. I know they will return to campus with a deepened grasp of the challenges and a deepened commitment to being part of the solution. Learning how strong civic organizations operate and learning their own powers as active citizens will be a crucial part of a Duke education for these students, even if learned far from Duke.

Nowadays, to “go to Duke” still means to join in the community of this campus. But increasingly, it also means to engage a whole world of connections that Duke gives access to, adding depth to each student's education. At Duke we believe that the training that can best prepare our students for meaningful lives is an education that is engaged with the realities of our time, envisioning solutions to real-world problems. As the footprint of our teaching, learning, and research expands, so does our understanding of the meaning of a Duke education.

—Richard H. Brodhead

## Duke Kunshan Moves Ahead

China campus receives government approval.

China's Ministry of Education has granted preliminary approval for the creation of Duke Kunshan University, a key step in the progress of Duke's first international campus.

DKU, formed in partnership with Wuhan University and the city of Kunshan, is expected to open in the 2013-14 academic year. Construction on the six-building, 200-acre campus is under way in Kunshan, a rapidly expanding city located between Shanghai and Suzhou. The university's initial academic offerings are expected to in-

clude two graduate programs leading to Duke degrees—a master of management studies and a master of science in global health—as well as a one-semester undergraduate program in global health. DKU will house several research centers, beginning with a Global Health Research Center.

“Through DKU, Duke will play a leadership role in creating new models of world-class higher education in China, introducing students and faculty to Duke's signature strengths of education and the interdisciplinary study of contemporary

problems,” President Richard H. Brodhead said in announcing the university's preliminary approval.

Brodhead said DKU will provide a base for the growing number of Duke faculty members who are conducting research in or pertaining to China and offer a laboratory for educational innovation.

The ministry's approval follows a thorough review of DKU's proposed academic, financial, and administrative programs. The ministry will need to give final approval before DKU can begin operations.

## ON THE PLAZA

### Making Change

When Christine Schindler was five years old, she decided she wanted to be an artist. Then, sometime later, she realized it was Broadway that was right for her. And then writing became her future career.

It took Schindler until her senior year of high school to consider engineering, and she only did so because her parents told her it would be a good career to pursue. “Through high school, I just never really understood what engineering was,” she says. “But I didn't really know what I wanted to do, so I just went with it.”

In her first semester at Duke, she took an “Introduction to Global Health” class that connected engineering to her desire to make a tangible difference in the world. “I just realized how many problems exist in the world that could be solved by engineers,” she says. But she also wondered how many

#### Christine Schindler '15

**Major:**

Biomedical engineering

**Hometown:**

Fairfax, Virginia

women, like herself, never considered engineering as a path to social change. While still a freshman, she started Girls Make Change Through Engineering, a pilot program that pairs college engineering students with middle- and high-school girls to design and build low-cost medical devices for clinics in the developing world.

In March, Schindler's idea got an unexpected endorsement at the Clinton Global Initiative (CGI) University, a conference for college students convened by former President Bill Clinton. “I went to the opening session when President Clinton was talking about different projects, and then he just mentions my name and my project,” says Schindler. “It was just incredible support, and I could barely wrap my head around it.”



**Working for change:** Christine Schindler with aspiring engineers, above, and former President Bill Clinton, right.



Clinton Global Initiative

The project has since received a wave of publicity. Duke's chapter of Engineering World Health committed to funding its pilot stages, and Schindler made connections with global-health professionals at the CGI America conference in June, which she hopes will lead to long-term funding. She plans to evaluate the project with local schools this fall and hopes to expand it to other universities in the spring.

The biggest thrill, though, has been showing young girls a map where the devices they helped build would be used—and seeing them realize the impact their work will have.

“That [realization] is what made me start to actually get excited about engineering,” Schindler says. “I just want to give younger girls the opportunity to see how they could do that also.”

—Mike Schreiner



## BOOKBAG

### COMPSCI 420: MOBILE APPS: FROM CONCEPT TO CLIENT

**The catalyst:** Computer science professor Richard Lucic and lecturer Robert Duvall decided to co-teach the course after realizing the department did not offer a class that exposed students to the software-development process as it occurs in the business world. "If we don't teach it to them here, then whoever hires them has to teach it to them through on-the-job training," says Lucic.

**The gist:** The course is centered on the semester-long task of creating a mobile application. Students work in small groups to take projects from concept to completion, with the end goal of hatching a fully functioning app for mobile devices.

**The twist:** The students are teamed with real-world clients, which in the past have included an independent-film producer who wanted to create a microlending application and a museum curator looking to build a fun teaching tool. Last year, one group of students created an iPad app to help emergency-room doctors at Duke Hospital quickly

determine if a patient would benefit from a ventilator. "It's one thing to sit in front of your computer and write code," says Lucic. "It's another thing to go over to the hospital and visit the ER, where students can see actual patients being treated on ventilators."

**"An ounce of planning is worth a ton of trial and error."**

**Assignment list:** Teams must prepare presentations for clients at least once every other week, keeping the students on track and giving them experience in a work-like environment. "In most cases they do a better job of preparing when it's a real-world client," Lucic says. One of the key things students learn, he says, is that "an ounce of planning is worth a ton of trial and error."

**What you missed:** In one recent session, students spent time with Duke's improv comedy group to improve teamwork and trust.

—Mike Schreiner



**Lifting voices:** A music major in college, Powery often fills his teachings with song.

## Powery at the Pulpit

New chapel dean is a compelling, compassionate minister.

Before he arrived on campus to begin his job as dean of the Duke Chapel, the Rev. Luke Powery already had broken new ground at Duke.

An ordained Baptist minister, Powery became the first African-American dean of the chapel when he was named to the position in July. The thirty-eight-year-old pastor arrives from the Princeton Theological Seminary, where he was the Perry and Georgia Engle Assistant Professor of homiletics. He is known as a compelling preacher and compassionate minister committed to reaching across boundaries.

"He impressed me with his commitment to engaging both the Duke and Durham communities in dialogue," says Ashley Crowder Stanley '77, M.Div. '80, a university trustee, Methodist minister, and member of the search committee. Powery made an impression on the search committee, Stanley says, by stating, "Before I ever speak, I have to listen."

In addition to overseeing planned worship, counseling, and preaching, the dean of the chapel serves as a focal point for ethical and theological discussions

on campus covering a wide range of topical issues. Powery will oversee more than thirty campus ministers and chaplains who provide leadership to more than 1,500 Duke students involved in campus religious life.

Powery was born in New York but grew up in Miami, where his father was a minister in the Holiness-Pentecostal Church. He received a bachelor of arts degree from Stanford University, an M.Div. from Princeton Theological Seminary, and a Th.D. from the University of Toronto. His most recent book, *Dem Dry Bones: Preaching, Death, and Hope*, on the spirituals as a resource for preaching, was published in July by Fortress Press.

Before entering the academy, he was associate pastor of the International Protestant Church of Zurich, an interdenominational and intercultural congregation in Switzerland. He also has served as campus minister at Westminster Choir College of Rider University in New Jersey.

Powery succeeds the Rev. Samuel Wells, who returned to England this summer to become the vicar of St. Martin-in-the-Fields in London.

## Archival Reunion

Duke's acquisition of religious leader's papers puts old friends back on the same page.

On the surface, Duke's recent acquisition of the collected documents of civil rights leader and theologian Rabbi Abraham Joshua Heschel is an academic and archival coup. The collection, which has never before been available to scholars, spans five decades and at least four languages, including notes and drafts for nearly all of Heschel's published works, as well as intimate and extensive correspondence with some of the leading religious figures of his time.

But scratch a little deeper and you'll find the threads of a friendship between two families that brought Heschel's papers to Duke.

Those threads begin with Eric Meyers, Bernice and Morton Lerner Professor of religion and director of the Duke Center for Jewish Studies. Meyers' uncle, Marshall T. Meyer, was a student and longtime friend of Heschel's who went on to become one of the leading voices for human rights in Argentina in the 1970s and '80s. Meyers recalls babysitting for Heschel's daughter, Susannah, when he visited his uncle in New York in the 1960s.

Although both Meyers and his uncle are alumni of Dartmouth College, Meyers found a home for his uncle's papers at Duke's Rubenstein Rare Book and Manuscript Library. Susannah Heschel, also at Dartmouth as a professor of Jewish studies, spoke at the collection's dedication in 2006. "She expressed very warm feelings for the impact that her father had had on Marshall," Meyers says.



**Life's work:** Photographs and other items, including a 1935 Nazi-issued work permit, from the Abraham Joshua Heschel archive

David M. Rubenstein Rare Book & Manuscript Library

That put Duke in a favorable position to acquire the documents of her father, considered one of the most influential religious leaders of the past century. Heschel walked alongside the Rev. Martin Luther King Jr. in civil rights marches in Selma, Alabama, and was a leading figure in protests against the Vietnam War.

"Together, these two collections represent almost a century of social justice thought and action and provide an important connection between the civil rights and human rights movements," says Patrick Stawski, human rights archivist at the Rubenstein library. They also represent a commitment to learning and history shared among friends. "Reuniting them archivally is an important achievement," says Meyers.

—Elissa Lerner



Joshua Sage Newman

## Duke Performances: Partly Cloudy

Gospel quartet The Mighty Clouds of Joy will light up the Hayti Heritage Center for two shows in November, one of the highlights of Duke Performances' 2012-13 season. Beyond featuring an always-eclectic mix of music, dance, and spoken word, the performance series puts artists in appropriately evocative venues. This year's lineup features indie rock at Motorco Music Hall, smoky jazz at the Casbah nightclub, and a choral performance at Duke Chapel. Watch for gypsy brass band Fanfare Ciocarlia; neo-soul singer-songwriter Meshell Ndegeocello; off-kilter comic and vocal percussionist Reggie Watts; tap dancer Savion Glover; cabaret diva Meow Meow; and the eighty-member Chinese National Symphony Orchestra.



# Maxing Out the Visa

Brodhead: Foreign students should be allowed to stay past graduation.

Like most students entering their final year of school, Pan Wu is looking for a job. But for Wu, who will earn his Ph.D. in chemistry in May of next year, the stakes of that search are especially high. If he does not find employment quickly, he will have to return to China.

Wu's predicament is one shared by thousands of foreign-born students who graduate from U.S. universities each year. Unless they have job offers that qualify them for work visas, most have no legal option to stay in the U.S. after graduating—an aspect of immigration policy that many university leaders decry as detrimental not merely to students, but also to the U.S.'s position as a leader in innovation.

In June, President Richard H. Brodhead joined the leaders of more than seventy-five U.S. universities in making a case for less-restrictive policies for international scholars. The joint letter, which called on the White House and Congress to create easier routes to obtaining work visas, cited research from the Partnership for a New American Economy showing that 76 percent of patents resulting from university research have a foreign-born inventor.

"Each year, bright, talented students from around the world

**"It's in our national interest to keep them here."**



Seeking opportunity: Visa issues can complicate postgraduate life for the nearly one in six Duke students who come from foreign countries.

come to Duke to pursue graduate degrees," Brodhead said in a statement explaining Duke's position. "Along with their academic training, they absorb an American approach to thinking, problem-solving, and innovating, and they graduate with skills that can lead directly to new companies and jobs for our country. It's in our national interest to keep them here."

Li-Chen Chin, director of Duke's International House, points out that Canada, Australia, and the United Kingdom—the U.S.'s chief competitors for recruiting international talent—all have more-relaxed immigration policies for graduating students than the U.S.'s.

"You're making an investment in the best and brightest the world has to offer," says Chin. "So after their degree, you want to see a return on the investment."

Wu agrees, saying, "a lot of people would benefit" from looser visa rules. He mentions a former classmate who wanted to launch a start-up business in the U.S., but learned visa restrictions made it nearly impossible to do so.

"It's really hard to stay here and do anything out of academics, so he quit his Ph.D. and went back to China to start a company," says Wu. If he'd had a start-up visa or green card for students, that would have helped

him to "start his company here and recruit employees of the U.S.," he adds.

—Elissa Lerner

# Students on the Stump

Presidential campaigns tap Duke talent to make their case.

As North Carolina shapes up to be a key swing state in November's presidential election, two Duke students—Daniel Strunk '14 and Elena Botella '13—are playing leadership roles in helping their candidates land the state's fifteen electoral votes.

Strunk, the college manager for North Carolina Young Americans for Romney, is coordinating efforts among fifteen (and counting) college-student organizations working to elect former Gov. Mitt Romney to the White House. He helps the campaign formulate outreach effort with specific demographics, such as Latino students and women. As the election nears, he will lead volunteers in planning campus events and phonathons.

The campaign is the first foray into partisan politics for Strunk, who has not been

involved in Duke's College Republicans. "A lot of organizations on college campuses are geared toward Republicans, and while I didn't create everything, I was able to get this organization up and running to help [Romney's] campaign in North Carolina," he says. He attended the party's nominating convention in August, carrying with him fifty-six North Carolina state pins and a goal of trading them all away.

On the other side of the race is Botella, president of the College Democrats of North Carolina chapter and former president of Duke Democrats. Botella was selected to serve as a North Carolina



delegate at the Democratic National Convention in Charlotte, her hometown. In addition to voting on her party's platform, she helped plan convention events for the College Democrats of America and promote President Obama's public acceptance speech. Her focus now is on building momentum toward November.

"I want to help students turn out to vote, help students become leaders, and help communities to turn out to vote," she says. "We need to make an investment in the leadership capacity of students and keep being leaders going forward."

—Elissa Lerner

## Booster Shot

Duke receives funding to expand training of advanced nurses.

**W**ith the nation's health-care system facing a potentially critical shortage of nurses, Duke Medicine has announced it will double the number of advanced-practice nurses it trains, adding more than 200 trainees by 2016.

The move is part of a four-year, \$200 million project by the U.S. Department of Health and Human Services to increase the number of nurses with advanced degrees who can deliver primary care. Duke is one of five U.S. hospitals receiving HHS funding.

According to the American Association of Colleges of Nursing, as many as 1.2 million additional nurses will be needed by 2020

to fill newly created jobs and replace retiring nurses. But nursing schools are facing their own challenges recruiting and hiring teachers to train those additional students.

"Nurse practitioners and nurse anesthetists are at the forefront of providing care to thousands of people every day, and the need for these highly qualified nurses will continue to increase dramatically," says Catherine Gilliss B.S.N. '71, dean of the nursing school and vice chancellor for nursing affairs. Beyond providing education and training, she says, the HHS project "is also important in shaping federal policy in support of advanced-level nurses."

## PLANETDUKE | South Africa

### At a Glance

Current students who were born in South Africa:

**9**

South African nationals working at Duke:

**20**

Alumni living in South Africa:

**8**

Number of undergraduate students who traveled to South Africa with university programs in 2011:

**105**

### Key Duke connections:

- Semester-long Duke in South Africa study-abroad program on savanna ecology, based in Kruger National Park
- DukeEngage programs in Cape Town and Durban
- "Global Health Issues in South Africa," a summer course launched in 2011, integrates classroom and field study
- Duke Corporate Education has provided executive education to clients such as Standard Bank, Anglo Platinum, and Rand Merchant Bank
- The divinity school offers field studies in South Africa and has a partnership with the Methodist Church of Southern Africa to facilitate ministry in the country

### Immersed in History

As one of the faculty leaders of the university's DukeEngage program in Cape Town, William Chafe has seen the profound effect being in South Africa can have on undergrads. But he often felt the service-based trips barely scratched the surface of the country's deep racial and cultural history.

Enter Duke Immerse, a new semester-long program that marries the foreign experience of a DukeEngage trip with the intensive curricular style of a Focus program. Last fall, Chafe, the Alice

Mary Baldwin Professor of history and a noted author on gender and racial issues, led one of two pilot Duke Immerse programs, a four-course track that compared modern civil rights movements in the U.S. and South Africa, culminating in a three-week study trip through the African nation.

"It was the most intellectually stimulating and rewarding teaching in my forty years [of teaching]," says Chafe.

Twelve students made the trip, along with Chafe and visiting as-

sistant professor Karin Shapiro, a historian of U.S. and South African politics. The students met with activists and leaders around the country, from Johannesburg to the Drakensburg Mountains to KwaZulu-Natal to Cape Town, visiting iconic sites such as the Voortrekker Monument and Freedom Park.

The academic focus and the powerful group dynamic among the travelers made the experience fundamentally different from other study-abroad trips, Chafe says. "It gave everyone an amazing sense of the reality of what the period was all about. It had a transformative effect on people's minds and their vision of the world."

—Elissa Lerner



Immersion experience: Students visit the site of Nelson Mandela's primary school.

# Writing on the Wall

Library rediscovers lost voices in works of student graffiti.

In the dim, hushed depths of the library, the hidden voices of generations of Duke students are speaking again.

They have been awakened through graffiti—decades-old thoughts, pictures, quips, and silly curses that were etched over the years on walls, desks, chairs, and shelves in the library stacks. Staff members rediscovered the graffiti this summer while cleaning out storage areas that were once part of the old Perkins Library stacks, giving new oxygen to the scrawled angst and boredom of hundreds of past students.

On a well-worn, wooden desk—all right angles and strong, creaky drawers—there are lyrics to a long-ago popular Pink Floyd song, written meticulously in thick, black marker. It sandwiches a Frank Zappa tune.

On a nearby shelf, a boy declares his love for a girl. On another, a pencil-scrawled debate rages over whether those “damn Yankee” Duke students from the North should just go home already.

“Yes, it’s true,” one student writes on a countertop. “I’m here in the library (Gulp) studying, shudder, shudder. I’ve caught that terrible disease. Maybe I will only take 4 classes next semester. Well, can’t waste anymore time writing. Gotta hit them books. (Gag.)”

It’s like a Facebook wall, about twenty years early.

“It’s pre-social media, connecting with people in your sphere,” notes Will Hansen, assistant curator of collections for the David M. Rubenstein Rare Book and Manuscript Library. “It’s mostly Duke students talking to other Duke students.”

The graffiti owe their second act to the massive Rubenstein Library renovation project, which started this fall. Library staff members spent much of the summer moving seven floors of books, pamphlets, sheet music, and other materials to temporary storage, uncovering parts of the library that had long been hidden from public view. But the graffiti’s new life will be brief. Most of it will be scrubbed over or discarded as part of the renovations, which are scheduled to continue through 2015. Library staff members are docu-

**It’s like a Facebook wall, about twenty years early.**

menting some of it, keeping an archive on a Flickr page.

Not all of it merits preservation, of course. Much is profane and sexual, such as the numerous notes found in a corner nook where so many young couples boast of consummating their, ahem, unwritten graduation requirement.

But there’s artistry, as well, like the penciled portrait of Bart Simpson and the odd series of gravestones with a weeping willow arching ever so delicately over them.

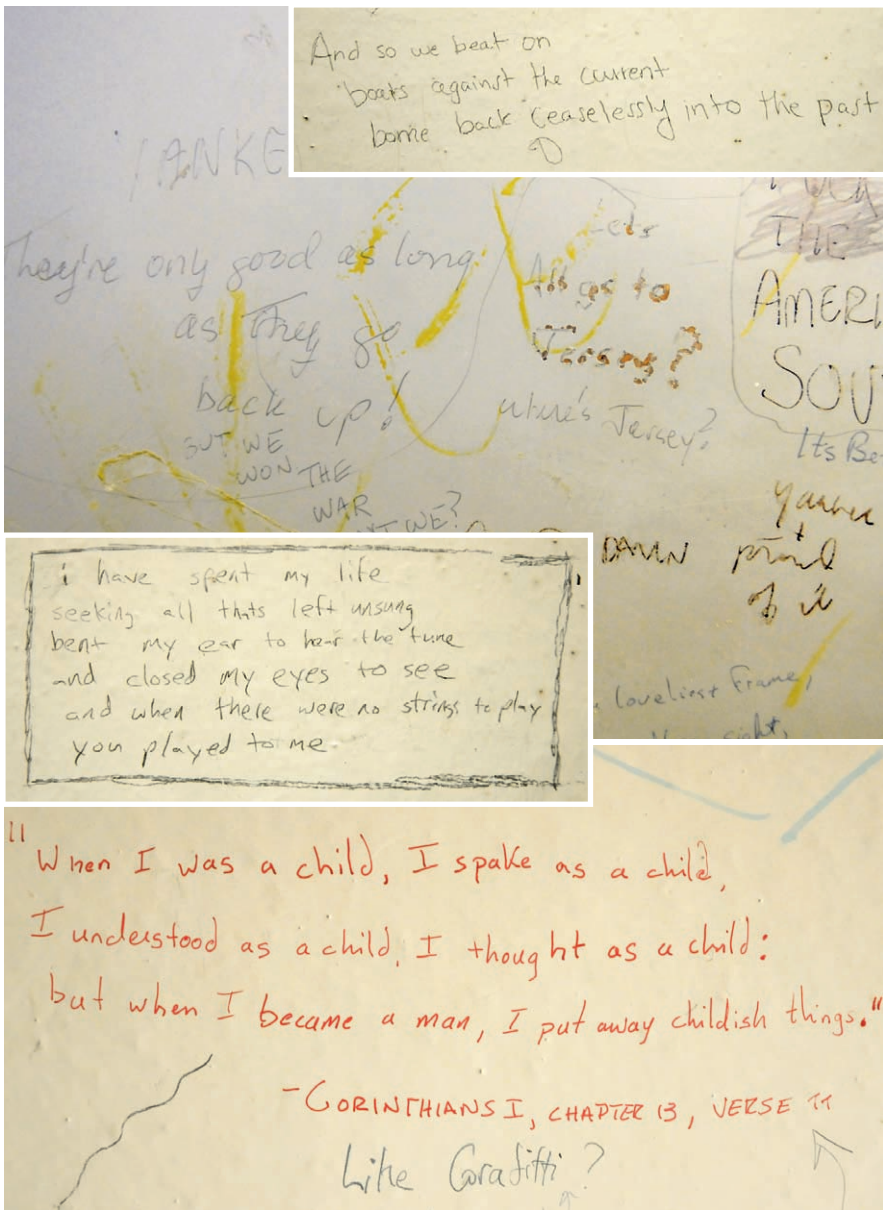
And there’s poetry. Lots of poetry. In a dark corner of the seventh-floor annex, a

section of T.S. Eliot’s classic “The Waste Land” is penned near another all-time classic, “Badlands,” by Bruce Springsteen, the poet laureate of New Jersey.

Gray Harley was an eighteen-year-old freshman in 1990 when he etched his name and the date “11/6/90” into a library desk and drew a circle around it. Now a forty-year-old lawyer in Charleston, South Carolina, Harley laughed when presented proof of his low-level vandalism.

“I hate to think I was putting graffiti in the stacks but I guess I did,” says Harley, who graduated from Duke in 1994 with an English major. “That’s what immature eighteen-year-olds do; they write on desks.”

—Eric Ferreri



Scrawls of time: Graffiti uncovered during the library’s renovations

## DUKE360

### Where the Wild Things Are

In twenty years of exploring the deepest pockets of campus, Jeffrey Phippen Ph.D. '91 has become the unofficial authority on Duke's wild side. An instructor and research associate in the Nicholas School of the Environment, Phippen leads a popular class that studies the variety of plants, insects, and animals on Duke's campus and in the 7,000-acre Duke Forest, where he also conducts biodiversity research. Here is a sample of what Phippen's formal and informal surveys reveal about stunningly diverse forms of life that call Duke home.

**75**  
species of  
broadleaf  
trees



**45**  
species of dragonflies



**8** types of native orchids

**150**  
species  
of  
birds



**85** species of butterflies



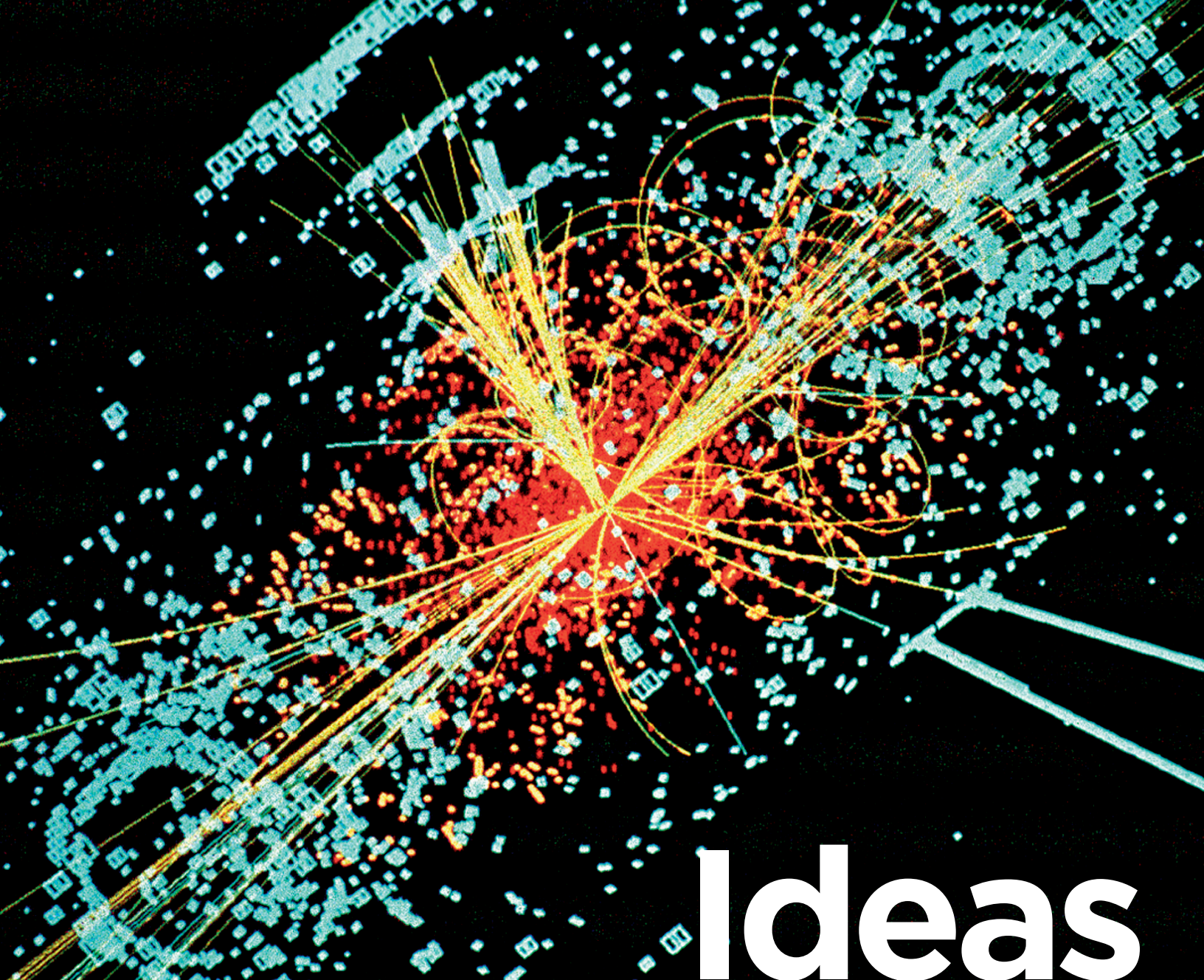
**60**  
species of  
amphibians  
and reptiles

Photos by Jeffrey Phippen unless otherwise noted

## NOTABLE



- Duke added three new members to its board of trustees in July. **Jeffrey Vinik** B.S.E. '81, founder of the Boston-based Vinik Asset Management, began a six-year term on the board. **Kaveh Danesh** '12, a mathematics major who is currently a Fulbright Scholar in China, was named as the undergraduate young trustee. **Malik Burnett** '07, M.B.A. '12, M.D. '12 was selected as a young trustee by the Graduate and Professional Student Council. He is currently a general surgery resident at the University of Massachusetts School of Medicine.
- Computer science professor **Vincent Conitzer** has won the Presidential Early Career Award for Scientists and Engineers, the highest honor the federal government gives to young scientists. Conitzer was recognized for his "ground-breaking work on computational aspects of game theory, social choice, and mechanism design," according to a White House statement.
- **Alex Hartemink** '94, the Alexander F. Hehmyer Associate Professor of computer science, statistical science, and biology, has been appointed director of Duke's computational biology and bioinformatics program. Based in the Duke Institute for Genome Sciences & Policy, the program is an integrative doctoral program encompassing the study of biology using computational and quantitative methods.
- **Thomas Nechyba**, professor of economics and public policy, has been named director of the Social Science Research Institute, one of seven interdisciplinary university institutes at Duke.
- **Kimerly Rorschach**, who has served as director of the Nasher Museum of Art since its opening in 2005, has resigned her position at Duke to become director of the Seattle Art Museum.
- The U.S. Senate voted to confirm law professor **Scott Silliman** as a judge on the U.S. Court of Military Commission Review. Silliman was nominated by President Barack Obama for the appellate court, which reviews military commission cases held at Guantanamo Bay.



# Ideas

CERN

## WHAT WE'VE LEARNED:

### The Higgs Boson

In July, scientists at the Large Hadron Collider near Geneva, Switzerland, announced they might have found the Higgs boson, the long-sought subatomic particle that explains how the fundamental building blocks of molecules accumulate mass. What does the discovery tell us about matter, the universe, and the future of physics?

**The Higgs boson exists—probably.** Scientists said they found a particle “consistent” with the Higgs, but they stopped short of calling it a definite Higgs find. Duke physicist Al Goshaw, who worked on one of the Higgs-searching teams in Switzerland, says there’s no doubt a new particle has been found—“one that looks exactly like what we need for the Higgs.”

**It may come in flavors.** Mark Kruse, another Duke physicist involved in Higgs research, says there may be as many as five varieties of Higgs particle, and “it remains to be seen if what has been discovered is indeed the Higgs boson of the Standard Model.”

**The discovery matters.** The Standard Model—the simplest explanation for how physics works—relies on the Higgs boson; without it, there’s no way to explain how fundamental particles interact and combine, and thus no way to explain how complex molecules form. If scientists can verify the particle’s role, “we will be one step further in our quest for an understanding of what happened in the first trillionth of a second of the universe that made it what it is today,” says Kruse.

**This isn’t the end for the Large Hadron Collider.** The four-year-old LHC—built over a period of ten years largely to hunt for the Higgs—will shut down at the end of this year, but only so engineers can soup up its speed and energy. It will reopen in 2014 with a capacity to slam particles together at nearly twice the speed that is possible today, which may give physicists a glimpse of entirely new phenomena.

**It’s also not the end for particle hunters.** The U.S.-based Fermilab is about to launch a new experiment to search for particles that may reveal physics beyond the Standard Model. “Nature may be elusive,” says Duke physicist Seog Oh, who is involved in Fermilab research, “but it has been always kind enough to grant us access to its inner workings.”

# Ideas

## BRAIN SCIENCE

### The Myth of the Multitasking Gamer

So you're a "Call of Duty" vet. You've spent hours simultaneously scanning maps, obliterating bad guys, and chatting with fellow gamers. Nothing gets by you. Surely you can navigate the perils of talking on a cell phone while driving.

According to a study at Duke's Visual Cognition Laboratory, not so much.

In the study, Stephen Mitroff, an associate professor of psychology and neuroscience and member of the Duke Institute for Brain Sciences, measured the multitasking ability of sixty undergraduates, about half of whom said they played shooter-style video games regularly. The students completed three visually oriented tasks—a video driving game, a multiple-object racking test, and a pencil-and-paper puzzle—and then repeated the tasks while answering Trivial Pursuit questions over a speakerphone, meant to simulate the distraction of a cell-phone conversation.

**"It doesn't matter how much you've trained your brain; we just aren't set up to do this."**

Both gamers and non-gamers fared worse on all three tests when answering questions. Gamers' best performances came in the video driving game. While non-gamers were on average ten seconds slower in completing the game's race course while talking, gamers lost only about two seconds.

Although the performance loss may seem modest, Mitroff says it shows why for most people multitasking isn't a good idea. "It doesn't matter how much you've trained your brain; we just aren't set up to do this," he says.



Attention deficit: Players at an international gaming convention may not be as good at handling multiple tasks as they think.

## BIOLOGY

### Polly Want a Genome

When Duke neurobiologist Erich Jarvis started trying to decode the genes believed to control a parrot's ability to imitate its owner, he quickly ran into a problem.

Typically, scientists assemble genomes in a process like building a jigsaw puzzle, using sequencing machines to crank out small segments of DNA code and then figuring out how to piece them together into a coherent sequence. But the regions that interested Jarvis—involving complex genes regulating brain circuitry—proved too complicated to stitch together from fragments.

To sort it all out, Jarvis and a team of collaborators combined two sequencing technologies—one that reads longer segments of code but is prone to mistakes, and one that produces shorter, more reliable sequences. With the longer read as their rough draft, the team used shorter segments to proof the code and correct errors. They tested the technique on known genetic sequences in corn and bacteria to confirm its reliability.

The hybrid approach helped Jarvis produce the first detailed map of the genes that make parrots parrot—data that could also explain how similar speech-development genes in humans function, he notes. And it may well aid biologists in trying to sort out other knotty chapters in the genetic storybook, like the complex genes involved in cancer.



## BIG QUESTION

### Are political candidates too sensitive to polls?

*It's a cliché of modern politics that a candidate for president won't do anything—even choose a necktie—without first consulting poll data. True, both the Obama and Romney campaigns employ in-house pollsters to measure the subtlest aspects of message strategy. But do the results of those polls have undue influence on their political beliefs? Sunshine Hillygus, an associate professor of political science and an expert on polling, offers her insights:*

Candidates don't change their views in response to a poll. Politicians conduct polls not to figure out their views on the issues but to figure out if and how they should talk about their views to particular groups in the electorate. They're trying to learn which of their views resonate with different groups of voters so they can develop a strategy for targeting those groups for mobilization and persuasion.

On the one hand, some people might find it reassuring that politicians don't pander to the polls. We are quick to criticize those politicians who change their minds—there is perhaps no worse insult than to be labeled a flip-flopper or waffler. In this campaign, Obama's "evolution" on gay marriage and Romney's shifting position on health-care reform have been fodder for attack. We clearly want politicians who are principled and don't follow the whims of public opinion.

Yet there is a tension in the democratic process because our system of government only works if elected officials are responsive to the public. We should value elected officials who listen to and act on the views of their constituents, especially in light of congressional reelection rates that exceed 90 percent. What Washington needs right now are pragmatic politicians who understand the wants and needs of their constituents and are willing to compromise and negotiate.



© Alberto Ruggieri/illustration Works/Corbis



Les Jolly

**How safe is safety?** Heather Stapleton's lab has found flame-retardant chemicals in a wide array of baby products.

## ENVIRONMENTAL CHEMISTRY

### Don't Pardon the Dust

Stapleton brings national scrutiny of flame retardants in household products.

**O**n the long list of things parents worry about harming their kids, a little dust in the nursery seems pretty innocuous. But for Heather Stapleton, it's a clue to a subtler threat—one that, thanks in part to her research, is getting new attention.

Stapleton, an associate professor of environmental chemistry in the Nicholas School of the Environment, has spent the past six years analyzing household dust samples for the presence of polybrominated diphenyl ethers (PBDEs), a class of chemicals widely used to reduce the flammability of household products. Accumulation of PBDEs in the environment has been linked to infertility and thyroid problems, as well as impaired motor and brain development in early childhood. Stapleton's research indicates the chemicals (and other flame retardants) are alarmingly ubiquitous, showing up in an array of electronics, furniture, and clothing. According to Stapleton, up to 80 percent of baby products sold in the U.S.—including car seats, crib mattresses, sleep positioners, and nursing pillows—contain PBDEs.

"To date I have not found one dust sample that does not contain PBDEs," says Stapleton. "Every home we have tested contains PBDEs, and the levels in indoor dust can vary by a factor of a million."

Although industry has vowed to phase out PBDEs by 2013, Stapleton—herself a mother of two young children—is concerned about the potential health effects of flame-retardant chemicals that may replace them. In July, she appeared before the U.S. Senate Committee on the Environment and Public Works to argue for more assertive regulation—including requiring manufacturers to label flame-retardant chemicals applied to products—to reduce children's exposure.

"As both a scientist and a mother, it is important to me that I reduce my family's exposure to these chemicals," she told the committee.

# Observer

## Divine Inspiration

On a ministry fellowship in rural North Carolina, Jason Villegas sees God in dancing—and Popsicles. |

By Bridget Booher

**A**ulander, North Carolina, is a one-traffic-light town in rural Bertie County, located in the state's northeast corner. Most of the storefronts along its main street are empty. There are no movie theaters or grocery stores; residents drive to nearby Ahoskie to catch the latest Spider-Man movie or pick up supplies at Walmart.

It takes all of five minutes to drive through Aulander, and there's really no reason to stop unless you need to refuel at the town's only gas station. The formerly self-sufficient farming town now struggles with the ills that plague countless other communities in decline: a dwindling economic base, unemployment, illiteracy, drug addiction, and crime.

On a muggy Sunday morning in mid-July, Jason Villegas stands in front of the congregation of All God's Children United Methodist Church, a block from Aulander's main intersection of Highway 11 and Commerce Street. A royal blue stole is draped over his navy blazer, and his sturdy brown cowboy boots peek out from under his khakis. Villegas is a second-year master's student at the Duke Divinity School, and he's spending his summer in Aulander as a Rural Ministry Fellow. Although he has already completed the two field education placements required for the M.Div. degree, he's opted for a third placement as part of his commitment to serving rural congregations.

The theme of today's service is dance, with music and readings selected around the idea of joyful movement. The first hymn, "Lord of the Dance," has congregants swaying from side to side while singing "Dance, then, wherever you may be; I am the Lord of the dance, said he." A four-piece combo keeps a lively pace while children sit in their parents' laps or switch pews to be closer to a friend.

Villegas opens his Bible and reads from the second book of Samuel, chapter six, where David brings the ark of God to

Jerusalem. Overcome with joy, David "dances before the Lord with all of his might." Putting the Bible aside, Villegas launches into a sermon that he has titled "When the Lord Comes Into Sight... Dance With All Your Might."

"When does God come into our sight?" he asks the several dozen Aulander residents in the congregation. "God comes into our sight any time we are around other people. If I am the Energizer bunny, the Lord is my battery—he keeps me going and going and going." Murmurs of "yes" and "amen" and "that's right" from the congregants punctuate his talk, which he delivers without notes. He's clearly in his element, smiling and making eye contact, his voice rising and falling as he nimbly holds the congregation rapt.

"Dancing is any kind of

After Villegas concludes his sermon, the congregation launches into a spirited rendition of "When the Spirit of the Lord." The Rev. Dr. Laura Early, known to the community as Miss Laura, leads the congregation in a blessing of friendship. She then invites a young man near the back of the church to join Villegas at the front of the sanctuary for the closing number. The young man had gone off to college, dropped out, and is back in Aulander. He looks uncertain and nervous at first, but as soon as the first few chords of "The Cha Cha Slide" begin, he breaks into a smile.

Soon, everyone in the church is follow-

**"I'm always amazed by the joy I find here. You can tell God really wants to do something with the people here."**



**Dancing before God:** Villegas leads the congregation in a spirited interpretation of "The Cha Cha Slide."

worship we do with our whole body and with all of our might," he continues. "Dancing may be mowing someone's yard, or bringing them food, or just listening. When we are dancing, we are close to God; we can hear his heart. Be kind and loving in all you do, so that no matter where you are or what you are doing, you are dancing before God."

ing along to the interactive lyrics, clapping hands, stomping feet, sliding from side to side. When the song calls for listeners to get low, Villegas, his beaming face moist with perspiration, bends his knees deep enough to win a limbo contest.

Villegas' work with All God's Children is part of a legacy that reaches back to James B. Duke. "My old daddy [Washington Duke] always said that if he amounted to anything in life it was due to the Methodist circuit riders who frequently visited his home and whose preaching and counsel brought out the best in him," Duke told associates. "If I amount to anything in this world, I owe it to my daddy and the Methodist Church."

In 1915, J.B. Duke and his brother, Ben, began making contributions to the state's Methodist churches. With the establishment of The Duke Endowment (TDE) in 1924, Duke formalized his commitment, stipulating that a certain portion of the en-





Megan Morr

**Opening the door to joy:** During his sermon, Villegas urges parishioners to worship “with our whole body and with all of our might.”

dowment be directed to building and supporting rural North Carolina Methodist churches.

Villegas’ field placement with All God’s Children is funded through TDE’s Thriving Rural Communities initiative. Roughly two-thirds of North Carolina’s United Methodist churches are considered rural, meaning they serve populations of fewer than 1,500 people within a one-mile radius. The five-year, \$3.8 million endeavor helps places like Aulander attract and keep United Methodist clergy. Without dedicated and committed ministers such as Early—and aspiring ministers such as Villegas—rural congregations are unlikely to sustain themselves. If that happens, the church’s community outreach services, from literacy and job training to child care, also will disappear, threatening the social, economic, and spiritual vitality of the entire community.

Divinity school field placements aren’t limited to rural congregations, domestic sites, or Methodist churches. Villegas’ fellow students are serving the homeless in Houston, retirement communities in the

Triangle, and orphans in Kenya. But Villegas, who has conducted mission trips to Haiti and South Africa, is convinced that rural ministry is his calling. He first met Early during a church youth group the summer between high school and his freshman year at Chowan University, and began attending All God’s Children while in college.

“I’m always amazed by the joy I find here,” he says after the service. “You can tell God really wants to do something with the people here. The community is unified around the least of these, as Jesus would say. By the least I mean those who are the poorest, or who have mental handicaps, or problems with addiction. Whenever you see a group of people who are unified for the purpose of helping someone else, it takes your ego out of it. It brings a degree of peace and opens the door for God’s joy to come in.”

Assisting with Sunday services is only a small part of what Villegas does during his field placement. He helps with every facet of the church’s operation, from administrative tasks to community outreach. Many of

the townspeople he comes into contact with don’t attend church at all. There are the high-school dropouts who find community through pickup basketball games at the Place of Possibilities, the church’s 12,000-square-foot multipurpose facility. And there are those who have been out of work for months and rely on the church to help feed and clothe them and their families.

After the last of the Sunday worshipers leaves the nave on this summer Sunday, Early and Villegas quickly review the coming week’s activities. In addition to regularly scheduled programs and meetings, Early will meet with Villegas and his fiancée, Elizabeth Miller, for the couple’s second premarital counseling session before their August 11 wedding in Duke Chapel.

Villegas heads out of All God’s Children toward the Lighthouse, the small parsonage located off of the church’s carport. A pack of neighborhood children shows up right on schedule. They know that once Sunday services conclude and all the people have gone home, they can come to Villegas for free Popsicles, which he keeps in steady supply for anyone who asks. ■

# Go Forward, Boldly

Duke leaders credit success in philanthropy for advancing some of the university's most innovative ideas. And that's why they say the new Duke Forward campaign isn't just about maintaining Duke's progress. It's about supporting a university that does best when it thinks big.

By Robert J. Bliwise

The technological marvel of a Mars landing has renewed a fascination with things astronomical. So it's fitting that Duke's president, Richard H. Brodhead, sometimes reaches for astronomical examples in describing Duke's new fundraising campaign. "To the extent that Duke has risen and risen and risen," he says, "the delta between our inertial orbit and our actual ascent has always been exactly measured by the amount of philanthropy that came to this university."

This fall, Duke kicked off its \$3.25 billion Duke Forward campaign, which runs through June 30, 2017, and involves every school and unit. "We're not trying to raise money for everything," says Brodhead. "It involves making some guesses about the future, assessing Duke's special strengths, and giving ourselves the means to advance toward those goals. We're trying to identify things that will move Duke forward and move students forward—and we know they come here wanting to be engaged in a hundred things."

Brodhead talks about the campaign as positioning Duke to play a leading role in creating the model twenty-first-century university: "The university of the future will be defined as much by collaboration as it is by individual accomplishment, and as much by the opportunity to engage with problems as it is by the accumulation of knowledge." Partnerships across areas of expertise, between researchers and practitioners, and among students and faculty members of diverse

perspectives, he adds, will be seen as "the norm rather than the exception."

Peter Lange, the provost, spearheaded an academic planning effort including deans, faculty leaders, and other administrators that identified campaign priorities. Some are familiar: financial aid, faculty support, the medical center, athletics, annual giving. But he calls the campaign—targeting as it does such interdisciplinary initiatives as innovation and entrepreneurship, the arts, energy, global health, and the environment—"strategically based and thematically based." The themes reflect "the highest needs and priorities we have, and also the most exciting and promising work we can do," he says. "They have become integrated into the fabric of the university. They are part of Duke's identity."

That identity hinges on crossing over traditional departmental, disciplinary, or even school lines. And the campaign is designed to build on that nimbleness, says Lange. "We're not inter-

ested in encrusting the same institutional structures. We are interested in building a distinctive type of twenty-first-century university, with education rooted in a combination of the classroom and engagement beyond the classroom."

In Brodhead's view, the campaign emphasizes the value placed at Duke on innovation, collaboration, and connecting theory and practice—broad cultural markers that he sees as historically resonant and "pretty much visible in everything you run into on campus." He says you can look at the creation, some four decades ago, of a biomedical engineering department that applies the approaches of traditionally disparate disciplines. Or, you can look at the creation, just a few years ago, of a Winter Forum, a program that encourages students to explore global issues through a combination of readings, presentations, and simulations.

"The world is going to want students who have the flexibility to move across domains of knowledge, to pull those strands together in solving problems," Brodhead says.

Duke's most recent comprehensive campaign was the Campaign for Duke. It ran from 1996 to 2003 and raised a total of \$2,361,205,387—smashing through the original goal of \$1.5 billion.

Robert Shepard, vice president for alumni affairs and development, came to Duke on the cusp of that campaign, in 1995, as executive director of development. The 1990s were a time of unbridled economic optimism; now, the economic atmosphere is more complicated. "One reason for the duration of these campaigns—typically two years in a quiet phase, five years in a public phase—is that you want to allow yourself time to get over bumps," says Shepard. "People are giving again. But there's still a lot of uncertainty out there, and a couple of universities that started campaigns before the plunge, when everything still looked great, haven't met their goals. That has to be reflected in our planning and modeling. But while we have to be prudent and thoughtful, we can't stop and wait for the perfect moment. There isn't a perfect moment."

Brodhead says planning for the new campaign began in the midst of the economic downturn.

DUKE FORWARD	
CAMPAIGN THEMES	AREAS TARGETED FOR SUPPORT
<b>Boundaries Not Included</b> Enriching the Duke Experience	Experiential learning, innovation and entrepreneurship, the residential experience, the arts, Duke athletics
<b>Blazing New Paths</b> Activating Duke's Power for the World	Global health, medical discovery and patient care, energy, the environment, interdisciplinary research, Durham and the region
<b>Fueling Uncontainable Ideas</b> Sustaining Duke's Momentum	Financial aid, faculty excellence, Duke Annual Fund

One option discussed was embarking on a relatively modest-scale effort, something that might have been in keeping with “a particularly bleak time in seeking financial support,” as Brodhead describes it. “But even during that time, there was a very striking thing: Everyone said to us, ‘Look, people don’t recognize Duke unless it’s linked with aspiration. Duke without aspirations is not Duke.’”

Many people affiliated with Duke may be tied to a particular program, degree, or experience, Shepard says. “There’s something that ties them to a larger Duke. And what we see is that major donors over time give to multiple areas of the university: They may start, say, with a niche interest, like a professional school or athletics, but the second gift is in a different area, and the third gift is in a still different area. Part of their giving may relate to where they were at Duke. Part of it relates to where Duke is now and where they see the possibility of making a difference.”

In recent years, a familiar set of schools has launched or completed campaigns of more than \$3 billion: Cornell, Stanford, Johns Hopkins, Penn, Yale, UVA, and Southern Cal, among others.

“Among our peer group, we want to be competitive,” says Shepard. “But there’s not a lot of pressure to go out and do better than any particular institution. People recognize that there are differences between institutions and the kinds of campaigns that are drawn up.” Whatever the differences between institutions, there’s a long history of the comprehensive campaign, and the basic model—using the quiet phase to test donor response and refine an overall dollar goal, recruiting volunteers, communicating in ways that range from large events to individual meetings (and now to web-sites)—is largely unchanged, he says.

Brodhead says that “the entire history of this university is nothing but a history of partnership between educators of vision and philanthropists who want to invest their money in realizing dreams of education.” James B. Duke “couldn’t have created a university,” Brodhead adds. “That wasn’t his industry. You needed an educator to visualize it. But President Few couldn’t have created it either, because he lacked the means. It was this coming together of philanthropy and vision that turned Trinity College into a comprehensive research university and then, over the years, into a world-famous one.”

**Duke is a place that thinks big.** Even in the time between the last campaign and this one, philanthropy—ranging from small annual-fund gifts to multi-million-dollar donations from individuals and foundations—has helped turn some ambitious ideas into reality. **Ten examples:**

## Make Visual Culture Central

The Nasher Museum of Art opened just six years ago—a spark to the arts at Duke that began with a \$7.5 million gift from Raymond D. Nasher ’43, with the later addition of \$2.5 million from the Nasher Foundation. Duke’s first-ever freestanding museum, it replaced cramped space in an academic building that was hardly hospitable to art. It’s moved quickly to organize its own contemporary-art exhibitions; and

it’s become a force for driving conversations around art.

In one early exhibition, the museum presented the work of three emerging artists who were exhibiting together for the first time: Mark Bradford (Los Angeles), William Cordova (Lima, Miami, New York), and Robin Rhode (Cape Town, Johannesburg, Berlin). For each of the exhibited artists, city streets act as fluid, living sources of inspiration—inspiration that has taken the form of painting, works on paper, sculpture, photography, video, installation, and other mixed media.

“I really enjoy working with artists who are not necessarily [yet] seen as the stars of the art world,” said Trevor Schoonmaker, the museum’s curator of contemporary art, at the time. “Ultimately the goal is to make contemporary art relevant to more people’s lives while at the same time working with leading-edge artists and concepts.”

The museum found itself on the aesthetic leading edge with another exhibition it originated, “Barkley L. Hendricks: Birth of the Cool”—the first career retrospective of the renowned American artist, best known for his stunning, life-sized portraits of people of color from urban centers. “Birth of the Cool” traveled to the Studio Museum in Harlem, the Santa Monica Museum of Art, the Pennsylvania Academy of the Fine Arts, and the Houston Contemporary Arts Museum.

For “The Record: Contemporary Art and Vinyl,” the museum built an exhibition around artworks either made from old records or inspired by records, sleeves, turntables, or a more general “vinyl culture.” Reviewing the exhibition at Boston’s Institute of Contemporary Art (it also traveled to Miami and Seattle), one critic called it “fascinating subject matter.”

The Nasher inspires visual literacy in other ways: In the past academic year, the museum had more than 80,000 student visits. It drew classes in areas ranging from art history to African and African-American studies, and from public policy to cultural anthropology. And its community-education programs served more than 32,000 K-12 students.



**Embracing art:** Part gallery, part classroom, the Nasher Museum of Art hosted more than 80,000 student visits last year.

Megan Morr



One stop: The state-of-the-art Duke Cancer Center provides patients with a streamlined approach to cancer care.

## Promote State-of-the-Art Health Care

The amenities tell part of the story of the new Duke Cancer Center, which opened this past winter—for example, a patient resource center, a quiet room, a café serving healthy foods, a boutique with specialty items for cancer survivors. But in a larger sense the building points to a new, patient-centered way of delivering health care. As Kevin Sowers, president of Duke University Hospital puts it, “The new cancer center is designed from the ground up with the patient in mind.”

In the old space, family members often overflowed from crowded waiting rooms into the hallway. Research showed that patients brought an average of 3.5 friends or family members with them. So the new building was designed with ample living-room-like waiting areas. For the 120 patients who receive chemotherapy each day, the building offers cubicles for privacy, a bright communal space for chatting, and even the option of receiving treatment, on pleasant days, on a rooftop terrace.

The Duke Cancer Center now brings together almost all cancer clinical services on the main medical campus, meaning that patients no longer have to travel to far-flung locations to see multiple specialists. “It’s one-stop care delivery,” says Duke Cancer Institute executive director Michael B. Kastan. The building, he notes, also is designed to bolster clinical research. (At any given time, the Duke Cancer Institute, or DCI, is conducting around 700 clinical trials.) Many clinical protocols are multidisciplinary, with surgery, imaging, and chemotherapy components. Having those specialists together in one setting makes it easier to conduct complex trials.

“This is going to be a sea change in patients’ experience,” Kastan says. And that patient population is bound to grow from the more than 50,000 patients that DCI sees every year. Forecasts project a 15.3 percent increase in new cancer cases in North Carolina between 2010 and 2015—and a 22.4 percent increase in the greater Triangle region that is Duke’s home base.

# Apply Scholarship to Policy Issues

3

In 2009, the Sanford School of Public Policy became Duke's tenth school—a step made possible by a fundraising effort that raised \$40 million, including gifts and pledges. Before the school was a school, it was, back in 1971, Duke's Institute of Policy Sciences and Public Affairs. It was one of the legacies of Duke President Terry Sanford. In Sanford's view, a powerful measure of any great university would be its capacity to make its research relevant to "real-world" problems. Here's an example of strategic thinking and philanthropic targeting at work: Seven years ago, the size of the Sanford faculty (not counting adjuncts or secondary appointments) was thirty. As of this fall, the size of the faculty has more than doubled, to sixty-five. Those new faculty members have expanded Sanford's depth of expertise in such areas as environmental and energy policy, global governance and development policy, communications policy, child policy, social policy, and global health and population.



Solving real-world problems: Public policy professor Bruce Jentleson teaches a course at the Sanford School.

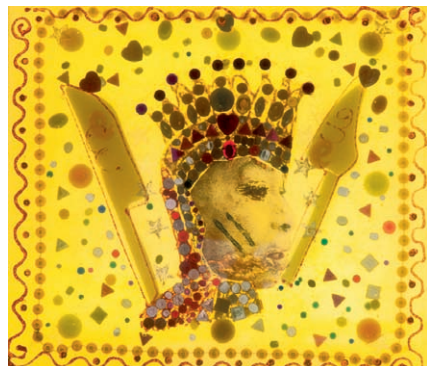
# Enlarge the Focus of the Humanities

4

You won't find spaces overflowing with pipettes, beakers, or test tubes. But in Duke's new humanities labs, you will find faculty members, graduate students, undergraduates, and visiting scholars engaged in an unusual experiment that's built on collaborative research.

The labs bring together faculty members and students who share discipline-crossing interests rooted in the humanities. Over a period of one to three years, they work on projects related to a common theme. Humanities labs are one component of the Humanities Writ Large initiative at Duke, supported by a \$6 million grant from the Andrew

**Crossing borders:** Artwork produced through Haiti Lab.



W. Mellon Foundation. The inaugural lab, in the 2010-11 academic year, was the Haiti Lab; in applying scholarly insights and in-the-field data collection to Haiti's disaster recovery, it has embraced Haitian culture, history, and language.

One of the newest humanities labs, the BorderWork(s) Lab, explores the acts of division and demarcation—cartographic and representational, political and economic, social and cultural—that parceled up the inhabited world into bounded communities. That theme points to such issues as state, imperial, and corporate power; environmental rights and engagement with the natural world; and the mobility or immobility of communities.



Eric Van Dineen

Education in action: Engineering student Lauren Shwisberg '12 waters newly-planted indigenous species as part of a DukeEngage-funded wetland restoration project in Beaufort, N.C.

## Conceive a Signature Civic-Education Experience

Here are some DukeEngage voices from the field:

From Cambodia: “My official job title at the Housing Rights Task Force is community organizing intern. Almost every day, I’m out in the community. We conduct demographic surveys and discuss with community leaders the threat of eviction the community faces.”

From Northern Ireland: “We are partnering with Belfast-based NGOs that focus on human rights in the context of ‘The Troubles,’ an ethno-political conflict between the Protestant and Catholic populations. The groups with which we work are fostering human-rights culture, working to lessen sectarian division, implementing stronger human-rights reporting and protections, and working at the grassroots level to address how the violent past can be acknowledged and used as a way to construct a more peaceful future.”

And from Durham: “Last week I made the fourth- to eighth-grade students create a human

timeline. I handed them a picture backed by tan construction paper. The picture illustrated a specific event or an era in our nation’s history.”

These are all student blog postings from this past summer’s DukeEngage—just three among the more than 450 Duke students who participated in DukeEngage group or individual programs in more than seventy nations.

DukeEngage was launched in 2007 through the establishment of a \$30 million endowment from The Duke Endowment and the Bill & Melinda Gates Foundation. It funds undergraduates in pursuing an immersive (minimum of eight weeks) service experience by meeting a community need locally, domestically, or internationally.

Those student-immersion experiences have entailed environmental advocacy, community outreach, global health, education, and social justice. DukeEngage students have launched mentoring and school-enrichment programs, created community-support initiatives, designed health-education and outreach programs, improved a community’s health-information infrastructure, produced environmental-education documentaries, and developed microfinance opportunities for disadvantaged women and families.

# 6

“interdisciplinarity” has become a Duke marker. The term can seem hard to grasp, but it takes on vivid meaning when you consider, for example, what goes into understanding the brain.

What keeps the attention of a radiologist who sees just seventy suspicious lesions in 1,000 mammograms, or the attention of a baggage screener who hasn't found a handgun in more than a year? Can performing a physical activity while using very specialized eyewear—glasses that simulate a strobe-like experience—boost visual memory abilities? Is it possible to locate a region of the brain that carries information specific to decisions during social interactions? Can we chart the molecular mechanism through which depression can cause “accelerated aging”?

Those are the sorts of questions propelling the research of the Duke Institute for Brain Sciences (DIBS), created in 2007. DIBS brings together the brainpower of such areas as the biomedical sciences, social sciences, physical sciences, humanities, law, business, public policy, mathematics, computer science, and engineering.

Since its inception, DIBS has received \$3.2 million in philanthropic support for one of its signature initiatives, its Incubator Awards Program. The

program provides seed funding for brain-science research that is interdisciplinary, collaborative, exceptionally innovative, and broadly significant. More than twenty research projects have resulted, with interests including the genetic underpinnings of human-brain development, environmental stressors and their relationship to mental health, magnetic fields and their effect on the brain, the neurobiology of hibernation, and how examining cells in the eye might point to indicators of neurological diseases.

DIBS also supports a variety of educational programs. Last year, a DIBS-organized symposium looked at “Free Will and Responsibility: Perspectives From Neuroscience, Psychology, and Philosophy.” Relying on methods ranging from brain scanning to be-

havioral observations, the assembled experts explored “what we know about our own choices from studies of other animals, brain-damaged patients, and addicts.” As the printed program put it, “This intense interdisciplinary exchange of perspectives should throw new light on some of the most pressing issues of our time”—issues related, for example, to traditional views of free will and moral responsibility, and to institutions of criminal justice and mental health.

## Break Through the Disciplines



No barriers: Len White of the Duke Institute for Brain Sciences assists a student in exploring brain structures.

# Combat Health Inequities

The twentieth century was a time of spectacular medical advances—and equally spectacular failures to distribute health and health care fairly across the globe. That’s the impetus for the Duke Global Health Institute. Created in 2006, it involves faculty from almost every Duke school—medicine, Trinity, Sanford, Nicholas, Fuqua, Pratt, nursing—and supports education and training for undergraduate, graduate, and medical students.

DGHI’s thinking about its mission is at once elevated and practical: “We recognize that global health goes far beyond addressing scourges such as HIV/AIDS and malaria, or preparing for the spread of SARS or avian flu. We challenge ourselves to examine the contexts in which these diseases exist. How do poverty, gender, environment, and globalization reinforce existing health disparities, and what can be done in these areas to improve health?”

Lots of questions, and DGHI is looking for answers in the U.S., China, Haiti, India, Kenya, Singapore, Sri Lanka, Tanzania, Thailand, Uganda, and elsewhere—a total of some 138 global-health research projects in thirty countries. DGHI researchers are training health workers in Rwanda and Tanzania, with the aim of delivering healthy babies and keeping mothers safe. They’re examining ties between mental illness and HIV/AIDS in Cameroon. In places ranging from Boston to Beijing, they’re studying interventions to prevent obesity—programs in which, for example, participants track their daily progress on individual diet and physical-activity goals and also attend group support sessions.



Robin Say '11



**Get smart:** Sustainable technology initiatives around campus include the Home Depot Smart Home.

**Pass it on:** A medical student teaches a community health worker how to take a patient’s blood pressure.





## Build a House That Teaches Better Living

How many campuses can boast of a live-in laboratory focused on sustainability and technology? Residents of Duke's Home Depot Smart Home—ten students—commit to and explore an energy-efficient lifestyle. And they use and develop smart and sustainable technology.

For those student residents, a smart day at the Smart Home can mean doing laundry with rainwater while conducting irrigation-related research in the backyard greenhouse, checking up on the growth of the green roof as well as on how much rainwater has collected in the six 400-gallon tanks in the basement, or monitoring wattage used by each room's controlled lighting. And doing all of that, maybe, to the background hum of a self-mowing lawnmower.

Among the student projects that have called the Smart Home home base: Duke Transit tracking (DUTrack), a bus-tracking app taking advantage of GPS signals on phones placed on buses as tracking devices; and Perkinsense, an online resource using heat-sensitive infrared cameras that allow the Duke community to find out if a study room is open in Perkins or Bostock libraries.

The 6,000-square-foot split-level home is operated by Duke's Pratt School of Engineering. Its energy-attuned features include hot water generated from a solar-panel system on the roof, a harvesting system that recycles rainwater, and an energy-recovery ventilation unit to preheat or precool outside air. It's the first LEED (Leadership in Energy Environmental Design) Platinum building on Duke's campus.

# 9

## Bolster Financial Aid

The ongoing economic challenges are painfully obvious—certainly to prospective and current Duke students and their parents. In recent years, the university reaffirmed its commitment to the principles of need-blind undergraduate admissions, and pledged to continue to meet 100 percent of the demonstrated financial need of all admitted U.S. undergraduates. Beginning in 2008-09, Duke enhanced its aid packages, a gesture that carries a lot of symbolic and tangible significance: It entails increasing grants and decreasing loan requirements for need-based aid recipients.

Enhanced aid packages are one outgrowth of Duke's four-year Financial Aid Initiative, which began in 2005 and raised \$308.5 million in new endowment for financial aid. The Duke Endowment contributed \$75 million, at the time the largest gift in the Endowment's history. More recently, trustee Bruce Karsh '77 and his wife, Martha, have provided \$50 million for undergraduate financial aid.

In 2011-12, the university spent \$119.8 million on undergraduate financial aid (including need-based aid, merit scholarships, and athletic scholarships). Undergraduate need-based aid alone represented a \$92.8 million expenditure—up from \$48.8 million just five years earlier.



**Duke's promise:** The university meets 100 percent of the demonstrated financial need of all admitted U.S. undergraduates.



Megan Morr

## Redefine Academic and Social Space

It's quite possibly the most popular place on campus. More than 3 million people have stepped through its doors this past year. It rivals dorm rooms and K-Ville for how many students sleep there.

And it hosted more than 3,000 for its annual campus-wide party. So if "the library" still conjures images of a dark, musty place with awkwardly spaced computer kiosks, a visit to campus is well overdue.

No one could accuse the Perkins Renovation Committee, which first met in 1999, of thinking small. Its mission was to imagine what a twenty-first-century library should be. Terms like "awe-inspiring" and "contemplative" were tossed around, and the group of faculty members, librarians, and students came to the bold conclusion that Perkins alone could simply not meet the needs of the future. But while the committee set the wheels in motion for the construction of Bostock Library and von der Heyden Pavilion during the last campaign, there was no way it could have predicted just how far the road would go.

Take the Link, for instance. Duke's prized hub of technologically savvy classroom space "wasn't even a glimmer in our eye," said Deb-



A learning continuum: Deborah Reisinger teaches a French course in the Link, a view of Bostock and Perkins Libraries, and the interior of the von der Heyden Pavilion, clockwise from left.

orah Jakubs, vice provost for library affairs, until the renovations of the first floor of Perkins were under way—well after the completion of Bostock and von der Heyden. Bob Thompson, former dean of Trinity College, was growing short on classrooms and had started to take note of all the informal learning that the new spaces in Bostock provided. In came the Link and a sizable Office of Information Technology help desk, uniting academic, technological, and research efforts under one roof. “Several colleagues were aghast that I’d give away space,” says Jakubs, “but I thought it was for the best—as part of the learning continuum. It’s all one big thing.”

As students have increasingly used the library for group study, the library responded with its hallmark “library party,” themed each year around one of the university’s special collections. But other circumstances have allowed Perkins to test its suppleness. The increasing focus on interdisciplinary work

could create a host of bureaucratic difficulties for a more rigid library system—say, for a philosophy major researching some of Descartes’ more mathematically minded writings. “You wouldn’t know which library to put a book in,” Jakubs explains. But Perkins and Bostock have been integrating the disparate science libraries over the past few years, beginning with the chemistry library; biological and environmental sciences and engineering will soon follow.

Librarians need to master new technologies and be able to explain new ways of interpreting data, Jakubs says. “No unit on campus has changed, and is continuing to change, as much as the library.” A change-promoting gift of \$13.6 million from trustee David M. Rubenstein ’70—the largest-ever donation to the libraries—is supporting the David M. Rubenstein Rare Book & Manuscript Library; that area is scheduled to be renovated in the final phase of the so-called Perkins Project. ■



# Rivertown REVIVAL

On the banks of the Haw River,  
a family of Duke alumni rebuilds Saxapahaw,  
bringing a mill town with a storied past into the present.

BY FIONA MORGAN | PHOTOGRAPHY BY LISSA GOTWALS

When Mac Jordan stepped onto Duke's campus in 1979, he was one of the few freshmen to come with red dirt flowing through his veins. Growing up in Saxapahaw, a mill village on the Haw River in North Carolina's Alamance County, he and his siblings spent their days climbing trees in the shady woods and catching salamanders by the creeks that feed the Haw. "The river, the forests, the fields, the farms, the creeks, that's where I was," recalls Jordan '83. "We were always running around in the pastures

worked at the mill or was related to someone who did. Jordan had cleaned equipment and swept floors there as a teenager. Life was church, school, the mill, and the rolling, wooded hills. "I knew there was a world outside of a tiny rural town, but until I got to Duke, it was a pretty small world," says Jordan, the third generation of his family to attend Duke. (A ministry library in the divinity school is named for his great-grandfather, Methodist preacher Henry Harrison Jordan.) One time, when he brought a few classmates home for a visit, his dad asked them to help round up the cattle in the pasture after supper.



But by 1979, that simple life was changing. Although mill business was still thriving, the village was not. Mill workers, who once rented mill-owned houses clustered around the river, began moving farther from town. Their children left for jobs elsewhere. And like so many rivers in American industrial towns, the Haw had grown so polluted that kids were warned off swimming or eating fish caught there. Mac's father, John Jordan '58, understood that if Saxapahaw were going to survive, it needed to be reinvented.

As a young man, Mac felt a need to determine what role he would play in that effort. Although he loved painting and drawing, he chose to major in public policy, which offered classes that dealt with community revitalization, economic development, business, politics, and regulation.

"Dad was very good at training me not to waste my time, that everything you do should have a purpose," says Mac.

At Duke, Mac Jordan's became saving Saxapahaw.

"The beauty of the community, both naturally and socially," he says, "I wanted it for my kids."



**Natural appeal:** A resident fly-fishes on the Haw River near the Saxapahaw mill. Above, cows graze at Cozi Farm, overlooking the town.

or the streams, making trails and clubhouses and creating our own play land."

Just twenty-nine miles from Duke's campus, Saxapahaw (pronounced SAX-uh-haw) felt like a world away. It was a town of 2,000 people, centered on a textile mill that Jordan's family had owned for more than fifty years. Just about everyone

The Saxapahaw Cotton Mill was constructed in the 1840s and made cloth for the Confederate Army. In 1924, its owners saw their fortunes fall, and the mill went into receivership until Charles V. Sellers bought it in 1927. Sellers called upon his nephew, B. Everett Jordan '18, to help him reopen the mill and manage it.

Everett and his wife, Katherine, took it upon themselves to build up the village community. To prevent young boys from throwing rocks through the mill windows, he enlisted a friend to start a Boy Scout troop. Katherine planted redbud and dogwood trees that still stand along the road in front of the mill. The couple built a community center and gave land for the establishment of a school.

Then-seven-year-old Wilma Phillips arrived in 1939, when her parents and grandmother took jobs in the mill.

"[The Jordans] even moved us here in their company truck from Tennessee," she says. Her family moved into a mill-owned house on the hill, the first of three they would live in. At eighteen, she went to work in the mill. She spent most of her career testing yarn on a machine in a room called "the lab."

Phillips married in 1951, and she and her husband, Harold, moved two miles out into the country. "Before they built that highway out there, it was red mud," she recalls. "The old saying was, if you got that red mud 'tween your toes, you never would leave." Once the mud was paved over, however, the community began to disperse. The Phillipses' daughter and granddaughter still live down the road, just outside of Saxapahaw, but both work in Chapel Hill.

In 1958, North Carolina Gov. Luther Hodges appointed Everett Jordan to the U.S. Senate to fill the seat left by the death of W. Kerr Scott. Jordan spent the next fifteen years in Washington, turning the mill over to his eldest child, Ben '51. He came home to Saxapahaw in 1973 and died a year later, leaving the Saxapahaw mill and two other North Carolina mills to his three children.

In 1978, the year before Mac entered college, the siblings sold the mill to Dixie Yarns. "In hindsight, it was a blessing we got out of the textile industry then," says John Jordan, "because 1979 was the peak of manufacturing, in all industries, in the U.S. We were lucky, not smart."

But John was not ready to leave Saxapahaw. "I was born and raised here, and my four children were born and raised here.

Saxapahaw was, and is, a good place to raise a family.... It's something you want to preserve." So John decided to go into the real-estate business. Sensing an opportunity for Saxapahaw to become a bedroom community for Chapel Hill, fifteen miles away along highway N.C. 54, he bought the sixty-six mill houses, thirty-three on each side of the river, as part of the sale to Dixie Yarns. He sold the houses across the river from the mill for between \$10,000 and \$20,000, some of them to longtime mill workers who had never imagined owning a home. With that revenue, he financed renovations on the other thirty-three houses, which he continues to rent.

Jordan approached the renovations with conservation in mind. Cottages were equipped with wood stoves, energy-efficient appliances, solar water heating, and gardens in the yard. John and his wife,

"I like to joke we're a bunch of rednecks and hippies all mixed together."

Margaret, hosted backyard picnics and an annual festival to raise money for the community center.

"Now, I'm a business person," Jordan says. "I like to think I'm a Christian. It's not a conflict of interest. The greatest commandment is 'Love the Lord your God with all your heart and soul, and your neighbor as yourself.' That's important. You need to love your neighbor as yourself. Everything we do should be a win-win in life."

Mac helped with renovations on summer breaks from Duke, where he was beginning to look at his hometown from a new perspective. He had taken a photography course with Alex Harris, founder of Duke's Center for Documentary Studies, who assigned students to study and photograph a community. Naturally, Mac chose Saxapahaw, focusing on a millworker family he knew. The assignment showed him the human scale of the social and economic policies he was studying. "We tend to think we know it all before we really interact with who it is we're trying to serve or help. That's where Alex's class really was a paradigm shift for me, in my way of approaching life and business and architecture," he says.

After graduating, Mac moved home and got his real-estate and contractor's licenses, ready to help his father revitalize his hometown. "I just fell in love with what he was

doing," he says. "It was important as a career and business opportunity, but also from a policy and philosophical point of view."

But while the Jordans' real-estate venture was taking off, the future of the mill seemed in doubt. With increased automation and growing competition from international manufacturers, textile mills across the country shed jobs or closed altogether. In Greensboro, once the hub of a thriving apparel industry, the nearly century-old Revolution Mill was shuttered in 1982. Dixie Yarns had already converted one of Saxapahaw's mill buildings, the dye house, to storage. "Time and motion is everything in manufacturing," John says, and a three-story mill building couldn't keep up with modern production techniques. It seemed only a matter of time before it, too, would become a victim of a declining industry.

The Jordans, though, were ready. Even

though the dye house remained under Dixie Yarns' control, Mac drafted a plan for renovating it for his master's thesis at North Carolina State University's School of Architecture. "We had a one-year and a five-year and a ten-year plan," Mac says. "We saw the direction that textiles was headed. We just didn't know when or how soon, but we knew this plant would probably shut down."

By the time the inevitable happened and the mill closed in 1994, the Jordans had invested too much time and money into their idea of an attractive, safe community to let it wither. "You can't have a derelict mill in the heart of it," Mac says. "It was an opportunity, a huge risk, but there really wasn't a choice. We felt that we were probably the only ones that were in a position to take it on."

Banks were harder to convince. "Everybody considered us in the middle of nowhere, and we thought we were in the middle of everywhere," Mac says. John used personal resources to buy the mill properties. When a charter school signed on as a tenant, he was able to borrow a million dollars to begin renovations on part of the upper mill. Mac called his brother, Carter, who was living in Wyoming. "Dad's going to let us do it," he said. "And I could use your help." Carter flipped a coin, "and it came up heads, so he moved back," Mac laughs.



**Family legacy:** “Saving a community is like being an artist,” John Jordan says of his son Mac (left), who once dreamed of becoming an artist. “You want to create something, like a painting, that will last forever.”

The brothers sandblasted the interior, removed asbestos, built retaining walls, and painstakingly sanded the original maple floors. As soon as wiring was done, Mac set up a makeshift apartment in the old “lab” room to protect the site from vandals. The school opened in 1998, along with a mix of retail and commercial space in the upper mill building. Financing the lower mill’s conversion to residential apartments required Mac to tap into his public-policy background to get the structure designated as a historic landmark, qualifying the project for tax credits, which he combined with a Housing and Urban Development-backed mortgage. The process took three years and interactions with every level of

government, from state building-inspection and historic-preservation offices to the Federal Emergency Management Agency and even the Army Corps of Engineers. It also took immense patience with Mother Nature: Six months after the project began, Hurricane Fran hit, bringing a 100-year flood up the Haw River that filled the bottom floor with water.

At a local auction, John Jordan met Tom LaGarde, a former University of North Carolina basketball player who had just walked away from an unsatisfying career selling bonds in New York. LaGarde and his wife, Heather, had recently moved to a neighboring farm town with their three-year-old daughter and newborn son, seek-

ing to bring up their children in the same sort of community the Jordans wanted to preserve.

A Chapel Hill native, Heather recalled trips to Saxapahaw with her parents, learning to drive on its quiet streets when she was a teenager. “It just seemed like this far-away place that was very close,” she says. “It had these beautiful buildings, but it was dusty and starting to fade.”

Tom, who runs an architectural salvage business, shared the Jordans’ passion for historic preservation and conservation. Although they didn’t agree on everything—the Jordans are registered Republicans and church-going Methodists; the LaGardes, Democrats whose main gospel is organic food—the families had a mutual appreciation for small-town values and a simpler life. And in a way, their ability to connect across cultural differences is emblematic of the come-as-you-are openness that seems to make Saxapahaw work.

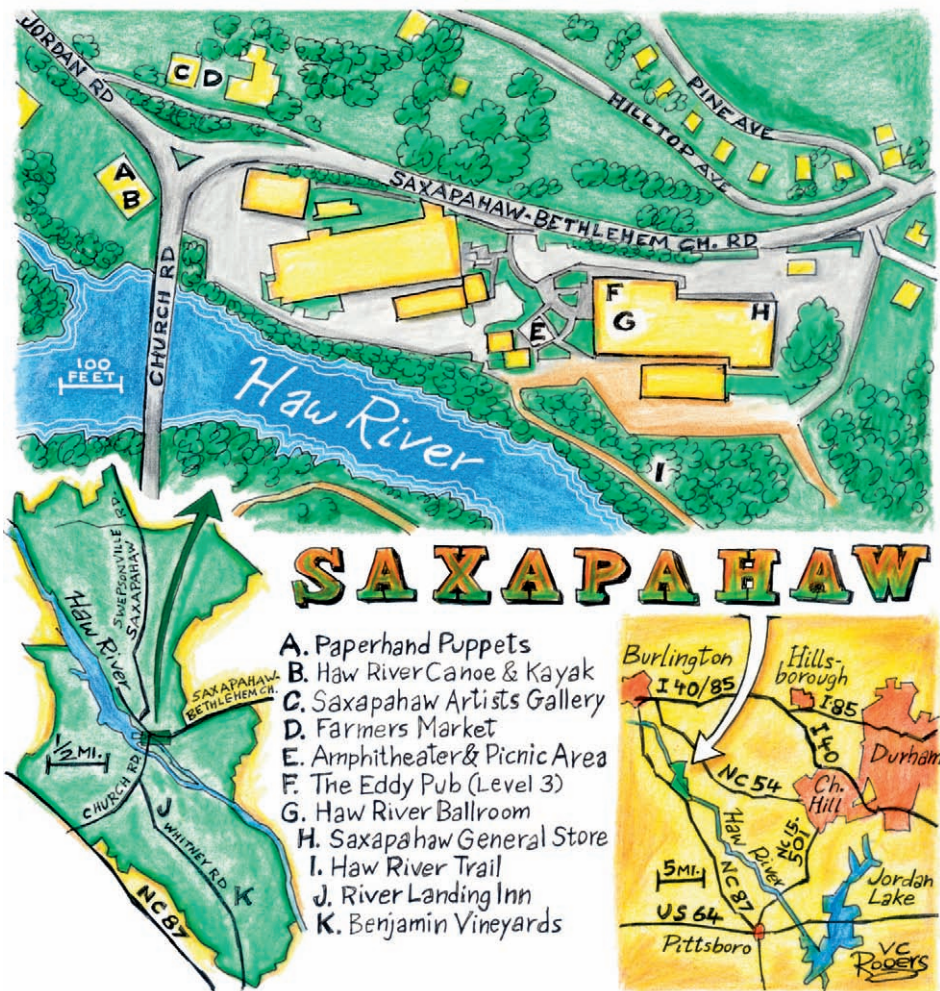
Although the Jordans were clear about their vision about Saxapahaw as a place with “amenities,” as John likes to call them, that would draw people from Chapel Hill, they hadn’t put much thought into how to get people from Chapel Hill to take notice. “I loved that they hadn’t come up with a marketing plan or any way of getting the word out about this really cool project in the middle of nowhere,” says Heather LaGarde, who had been a professional event promoter for Human Rights Watch and other nonprofit organizations. “It looked like a New York loft, right on the river in North Carolina.”

The LaGardes suggested an idea: a Saturday evening farmer’s market, with live music and artists’ stalls. It was anything but a conventional way to advertise apartments.

“I didn’t have to think about it at all,” says Mac. “We knew that we were so unconventional and so different than everything that was out there that our marketing really wasn’t just marketing, it was as much storytelling and community revitalization. We weren’t just trying to sell or rent property; we were trying to have a whole community come back to life.”

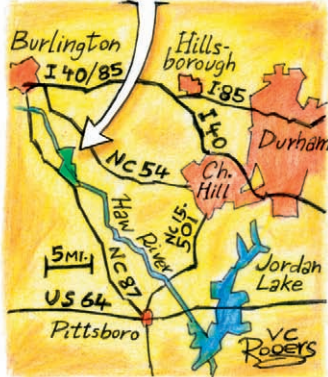
“It took some guts to do that,” Heather says, “but I think it’s so deeply in their values.”

**O**n a Saturday evening in June, the grassy hill across the street from the lower mill fills with picnic blankets and lawn chairs while a bluegrass band plays energetically under a covered bandstand. Local farmers sell grass-fed beef, strawberries, and



# SAXAPAHAW

- A. Paperhand Puppets
- B. Haw River Canoe & Kayak
- C. Saxapahaw Artists Gallery
- D. Farmers Market
- E. Amphitheater & Picnic Area
- F. The Eddy Pub (Level 3)
- G. Haw River Ballroom
- H. Saxapahaw General Store
- I. Haw River Trail
- J. River Landing Inn
- K. Benjamin Vineyards



and grits, local braised beef short ribs, or white pizza with fennel and prosciutto. A sign above the bussing tray asks patrons to scrape their plates into a compost bin so that the scraps can be fed to the chickens at Cozi Farm, up the hill. Sit and eat an omelet on the store's back patio, and you can nearly see the chicken that laid the egg.

When the convenience store space went on sale in 2008, the LaGardes recruited chefs Jeff Barney and Cameron Ratliff of Chatham Marketplace in Pittsboro and Fowler's in Durham to turn it into a destination for gourmet local food. Selling artisanal cheese out of the former company store generated some pushback from old-timers, Heather recalls, and it was an early test of how well new and old Saxapahaw could coexist. "As soon as they believed that it was about community and not gentrification, and about families having lives there and not just selling things," she says, "then a real trust was formed."

Barney and Ratliff went on to join Doug Williams and Claire Haslam to open the Eddy Pub, as well as a baking and catering company. The Eddy offers eight North Carolina beers on tap, local cheese and burgers, and bratwurst made from local, organically raised livestock. Eddy patrons can sit outside on an open-air patio, soaking up the sunshine and gazing at the Haw.

In May 2011, the biggest showcase of Mac and Carter Jordan's labor of love was finally open to the public: a three-story, 700-person-capacity live-music venue called the Haw River Ballroom. The exposed brick and metal beams are at once raw and sleek, old and modern. Cones of cotton yarn the mill once produced sit on an old wooden rack in the lobby, next to colorful handmade signs announcing the local beers on tap.

The LaGardes and their business partner, Margaret Jemison, purchased the space from the Jordans and spent two years planning the ballroom's offerings. A coffeehouse next door, Cup 22, provides a daytime gathering place and a caffeinated option during concerts. The ballroom's performance calendar features buzz-generating touring bands, mostly of the indie rock variety, but it also hosts local clog dancers, a community acoustic jam, weekly Ping-Pong, sometimes even a bouncy house for kids on rainy winter afternoons. The latest addition to the schedule is "Saxapahaw University" ("Where everyone is Grade A"), a series of free lectures, classes, and readings. The first SU event was a discussion of local ecology and natural history, and recent topics have included mill his-



**Local amenities:** From left, the Haw River Ballroom; kayakers at Haw River Kayak and Canoe; daily specials at the Saxapahaw General Store

collard greens from tents set up in the small parking lot. Kids run barefoot through the grass, playing capture the flag and chasing fireflies in the growing dusk, while their parents sip wine and tap their feet to the music. The smallest children climb on hay bales, while braver ones slide down a homemade water slide set at the top of the hill.

"Saturdays in Saxapahaw," launched in 2005, initially drew about fifty people to the weekly summer markets. As the renovations progressed, the Jordans and LaGardes hosted art events to showcase the space. Enthusiasm was building. Then a fire destroyed part of the lower mill three months before scheduled completion of the apartments, causing a six-month delay. They opened at last that December, just

weeks before the tax credit deadline. All seventy-five units were rented by the following summer.

Tonight, the crowd for the weekly market and concert is around 1,500. John Jordan is there, as he is every week, greeting neighbors, a sight Heather LaGarde loves to see. "[The Jordans] get to see a new community forming, and they're sharing their nostalgia with everybody else," she says.

Up the road, in the corner of the old dye house, the Saxapahaw General Store offers an eclectic mix that tells a story of Saxapahaw's contrasts: pork rinds and local honey, deer hunting supplies and \$10 rounds of cheese from Chapel Hill Creamery, fishing worms and organic kale. The store's grill serves scratch buttermilk biscuits, shrimp





**Saturday night charm:** In summer, the village swells with visitors who come to browse the weekly farmer's market, listen to music, or just lounge on the hillside.

tory, politics, and family history.

"We're a mixed breed out here," says Mac Jordan. "I like to joke we're a bunch of rednecks and hippies all mixed together."

Heather points out that the "hippies" are more like young, upwardly mobile professionals, and the "rednecks" she describes as "well-read, church-going, open-minded conservatives." Saxapahaw's small-town atmosphere helps soothe whatever differences exist. "I don't think you can hold onto a stereotype when you see someone day to day," Heather says.

It's safe to swim in the Haw River again, thanks in large part to the work of the Haw River Association, an activist group that has led efforts to improve water quality and restore wildlife since the 1970s. There's now a walking-and-paddle trail along the Haw that connects Alamance County to Jordan Lake (named for the late senator), making Saxapahaw a stop on the national Mountains-to-Sea Trail.

The last phase of renovation is taking place in the upper-mill building, where twenty-nine loft condos, each with a view of the river, are being constructed from original mill materials—from the wood floors to the exposed brick walls to the pressed tin ceilings. Each condo is furnished with art and furniture made in North Carolina. The 1,200- to 1,300-



square-foot lofts start at \$335,000—a far cry from the \$10,000 mill houses John Jordan sold thirty years ago.

"I'm telling you, they made it a city now over there," says Wilma Phillips, who at eighty years old still lives two miles outside of Saxapahaw. John Jordan recently gave her ladies' church group a tour of the ballroom and the lower-mill condos. She was amazed to see the old flooring she had stood on for decades reused in the lofts. She

says she enjoys seeing the patio at The Eddy full of people on Saturday nights. "You go by and it's lit up, it's so pretty. I never did dream it would be looking like this."

As the sun goes down, the fairy lights go on around the old dye house. An old metal hulk of an extractor machine lights up from inside, the words "HAW RIVER BALLROOM" punched through the side to create an illuminated sign. A similar machine stands inside next to the soundboard.

"I was so excited when Tom and Heather said they wanted to save that one," Mac says, "because when I was a teenager, my first paycheck was from the dye house. I worked in maintenance, and one of my jobs was cleaning the filters on those extractors. The very one they left in there, I used to clean the filter on."

The way the Jordans talk about Saxapahaw, there's a sense of coming full circle, of having endured the trials of time and motion and seen the next cycle begin. One of John's grandsons recently showed him a self-portrait he'd taken, sitting on a rock in the middle of the river. "To me, it was very symbolic," John says. "I see three generations of Jordans sitting on a rock in the middle of the Haw River." ■

*Morgan M.P.P. '11 is a writer who lives in Durham.*



BY PAUL W. BAERMAN  
PHOTOS BY DONN YOUNG

## Undergrads take on faculty in an annual contest that's redefining the Duke culture. **What's the big deal about entrepreneurship?**

**B**

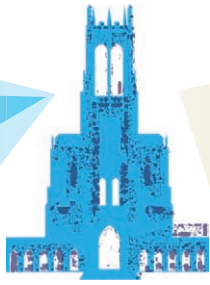
**y ten minutes to seven**, Fuqua's Geneen Auditorium buzzes with preparation. Organizers shoo away early comers while the tech crew repeatedly tests the video feed and microphones, consulting over headsets. Each of the 450 seats has a program on it; many also sport a Thunderstick, a hollow tube for claquers to pound on or hoot through. The crowd will be big—and noisy. Welcome to the 13th Annual Duke Start-Up Challenge Grand Finale.

At stake on this warm April evening is a \$50,000 prize and recognition as Duke's top entrepreneur. After a months-long process of elimination, 118 teams have been winnowed to three, two led by undergraduate liberal-arts majors. To earn a shot at the grand prize, they beat out thirty-four teams from the business school,

thirty from the engineering school, and sixteen led by faculty. They'll have ten minutes to pitch.

One of them is James Sawabini, a lanky senior who paces restlessly, practicing his speech in his head. In an open-necked checked shirt and sport coat—"Just managing the brand," he laughs—Sawabini has launched a start-up called Zamsolar, which would sell solar cell-phone chargers and solar-powered light fixtures in Zambia. The venture already has won a \$1,000 "track prize" for being the contest's best social-enterprise idea. Tonight he'll try to sell it to a dozen skeptical judges: successful entrepreneurs, potential investors, hard-minded business people with a soft spot for Duke.

When I saw him earlier in the week—he had changed the location of our meeting



# the

# Jw



The competitors: From left, James Sawabini, Ting-Ting Zhou, and Vijay Agarwal

three times in nine hours, finally settling on a coffee shop—Sawabini had admitted to being terrified of his presentation. “I pretty much cleared the decks this week to practice,” he said. “It’s like a lamb to the slaughter. I see the holes in our plan as well as they do. There are a million ways to say, ‘What you’re doing is crazy, and I’m not interested.’ But go to Zambia, go to Tanzania, go to Uganda. Most people have never seen these products before, and these products can change their lives. It’s not about making money. It’s about taking an inefficiency and fixing it.”

Winning the \$50,000 prize would enable Sawabini to go to Zambia after graduation and get Zamsolar on its feet. His business partner, a senior at Yale University, will not be coming down for the grand finals. If he fails tonight, they plan “to chase private investors all over the place.”

Out in the hallway, Sawabini’s competitors have been working the well-wishers and the well-wired. Vijay Agarwal, who grew up in San Francisco and has been starting companies since he was sixteen (“Nothing we ended up taking to market was successful”), strides into the auditorium and introduces his business partner, an engineer just in from California. Wearing a snappy black tie and an ultra-conservative black suit, Agarwal, too, is managing the

brand, right down to his hospital pager. A second-year resident in neurosurgery at Duke Hospital, he is touting a plastic clip designed to replace the titanium ones commonly used in brain surgery. Being plastic, the clip doesn’t interfere with MRIs or CAT scans, allowing doctors to spot post-surgical problems. “In the ICU, where I spend a significant portion of my time, I could show you how this device would help people,” he boasts.

Having grown up in the Bay area, Agarwal knew what he was looking for; he chose Duke precisely for its supportive climate for innovation. “The way the neurosurgery program here stepped up has been phenomenal. People meet me in between OR cases when they should be eating. They stay up at night going over stuff when they should be sleeping.”

Agarwal’s company, CranioVation, also found favor early on, winning last fall’s elevator-pitch competition for health-care ventures. With just a few moments

before showtime, he excuses himself to make a call.

Last to enter the room is Ting-Ting Zhou ’13, who has formed a company called Nanoly with two other women, one a Berkeley undergrad she’s known since childhood, the other a Stanford grad student. Nanoly wants to test and market a hydrogel that could revolutionize vaccine delivery, especially in the Third World, by eliminating the need for cold storage.

The Nanoly team has been busy, talking to PATH, an international nonprofit that leverages government and foundation money to address world health issues; applying for grants from the Bill & Melinda Gates Foundation; and approaching the U.S. Department of Defense for research funding. They look to the World Health Organization as a first customer and to a major big pharma player eventually to acquire them.

“This semester,” says Zhou, an officer in the Duke Association for Business Oriented Women, “has been about entering as many competitions as we can. The Dell Social Innovation Challenge, Cornell, Berkeley. Berkeley has a lot. Any pitch

“There are a million ways to say **What you’re doing is crazy and I’m not interested.**”



**Ready to launch:** Sawabini, Zhou, and Agarwal all have good ideas, but it takes more than a moment of inspiration to win the Start-Up Challenge's \$50,000 grand prize.

competition, we'll just try to go."

Entrepreneurism is not something Zhou picked up from her Duke education, at least not directly. "None of my classes have been entrepreneurial at all," she says.

"Writing a business plan—you can Google that. Everything's on the Internet. Yes, there are professors who may have worked in venture capital in the past, but it's not the same as the Internet."

Where the Internet fails, another kind of network succeeds. Needing a pitch video for the competition, Zhou reached out to friends in the Program in the Arts of the Moving Image and in the Center for Documentary Studies to shoot and edit one.

## **"You're trying to re-create AT&T in Zambia."**

That professional-looking video has already helped snag \$20,000 for Nanoly, which won the Start-Up Challenge's un-

dergraduate track and women-led track.

"One of the amazing things Duke has given me are the relationships, the people I've met. I never take meals alone, ever. My calendar is filled with lunch and dinner two weeks in advance. When people cancel, I immediately call someone else to say, 'I have an opening.'"

Though Zhou's West Coast partners are not coming tonight, Zhou will be cheered on by her parents, who have come down

from New Jersey for the event. In the early going with Nanoly, they were encouraging, Zhou says, but cautioned her to keep her grades up. "I said, 'But I want to change the world, Mom.'"

**S**tudents like James Sawabini, Vijay Agarwal, and Ting-Ting Zhou can leave you breathless, inspired, exhausted. Whatever happens in Geneen Auditorium tonight, all have vowed to continue pursuing their peculiar passion. Although the restless intensity of their ambition may set them apart from typical students, they are emblems of



clubs, and certificates focused on entrepreneurship; there have long been courses, clinics, practicums, mentoring, incubators, and lately even shared living space, with onomastic redundancies sufficient to make your eyes glaze. There's a Center for Entrepreneurship and Research Commercialization; a Center for Entrepreneurship and Innovation; an Enterprising Leadership Initiative; a Markets and Management Certificate Program; a Program for Entrepreneurs; a Center for the Advancement of Social Entrepreneurship; and much more. Faculty members have their own demesnes, including the Duke-Coulter Translational Partnership Grant Program to get engineers and doctors inventing together, as well as the longstanding Office of Licensing and Ventures to help push brilliant ideas into the marketplace.

But while the antechambers and out-buildings of innovation and entrepreneurship were well furnished, the central room has remained vacant until very lately. Students, for example, complained about the difficulty of obtaining course credit for new ventures; alumni complained about the difficulty of finding like-minded classmates. To be an entrepreneur at Duke you had to make yourself an expert on way more than just your Big Idea. As Kimberly Jenkins '76, M.Ed. '77, Ph.D. '80, puts it, "The culture was organic, not intentional."



**Welcome to the club:** Howie Rhee sees the Start-Up Challenge as part of an extended entrepreneurial network that can support Duke students throughout their careers.

a deeper sea change at Duke (and perhaps in society at large) of which the Start-Up Challenge is only the most visible manifestation.

Let's not overstate the case: *Entrepreneurship* still gets fewer hits on Google than the Bible or Qu'ran. But from President Obama on down, the word is on everybody's lips. Entrepreneurship is sexy, maddening, and arguably critical to our country's emergence from the economic doldrums. It's capitalism working right for a change. Yet the concept is boring, fuzzy, and overused; its center is everywhere and its edge nowhere. It's a stalking horse, a shibboleth, a panacea, a paradox. If you want to save the world, start a company. If

you want to make money, create wealth. If you're worried about getting an A, forget it.

For years a half dozen of Duke's schools have sported degrees, programs, centers,

Jenkins, a former trustee who has worked alongside both Bill Gates and Steve Jobs, has been one of the key drivers for changing that culture. Serving from

# WHO WANTS TO BE AN ENTREPRENEUR?

At Duke, there's no paved road from business idea to business venture. Students can turn to courses, clubs, contests, or alumni networks to jumpstart their entrepreneurial journey. So study up, dust off your elevator pitch, and pick a path.

**You may just end up a winner!**

## LEARN HOW TO BE AN ENTREPRENEUR

You'll gain a foundation of business skills and knowledge to succeed in the entrepreneurial world.

### LL.M. IN LAW & ENTREPRENEURSHIP

Joint degree program for business and law students that covers the legal aspects of new business deals

### INCUBE RESIDENTIAL LIVING

Student-run club for undergrads dedicated to nurturing the entrepreneurial spirit

### DUKE IN SILICON VALLEY- DOGPATCH LABS

New program sends Duke students to kick-start their start-up ideas at Dogpatch Labs, the incubator that spawned Instagram

### ENTREPRENEURSHIP AT DUKE SPEAKER SERIES

Slate of guest speakers introduces students to the key concepts necessary for a future in entrepreneurship

### MARKETS & MANAGEMENT ENTREPRENEURSHIP PROGRAM

Certificate program for undergrads wanting to study business, organizations, entrepreneurship, and related issues

## NEED MORE TIME? TIME IS ON YOUR SIDE

Duke allows entrepreneurial-minded students to take time off school to launch businesses.

### DUKE-COULTER TRANSLATIONAL PARTNERSHIP GRANT PROGRAM

Biomedical engineering program awards seed money for ventures that seek to improve medical care in an area of critical need

### CENTER FOR THE ADVANCEMENT OF SOCIAL ENTREPRENEURSHIP (CASE)

Fuqua-based research-and-education center caters to socially minded entrepreneurs

### BLACKSTONE ENTREPRENEURS NETWORK

Collaborative effort among the Triangle's major universities and the private sector strives to make the Triangle a hotbed of entrepreneurial activity

You've got big ambitions that extend beyond campus. Go here to launch yourself into the Triangle and beyond.

## VENTURE OUT

### PROGRAM FOR ENTREPRENEURS (P4E)

Allows students to earn course credit while working on business start-ups

### DUKEGEN

Global network of Duke alumni dedicated to entrepreneurship

You'll gain a foundation of business skills and knowledge to succeed in the entrepreneurial world.

## START A BUSINESS AT DUKE

**DUKE OFFICE OF LICENSING & VENTURES**  
Responsible for patents, technology licenses, and new venture development for Duke University and Medical Center

### DUKE START-UP CHALLENGE

Annual contest awards \$50,000 to promising ventures

## REMEMBER, YOU ARE NOT ALONE.

Entrepreneurship is a team game. Networks such as DukeGEN can lend a hand with resources and specialized expertise.

2010 until this July as senior adviser to the president and provost for innovation and entrepreneurship, she crafted a strategic plan and helped raise money—including a \$15 million gift from trustee David Rubenstein '70—for new programs such as Mentors on Call and Duke in Silicon Valley. Duke's vision in this area owes much to Jenkins' own.

"I have a deep passion for entrepreneurship based on the joy it has brought me," says Jenkins. "Our students are well-rounded, sociable, fun, incredibly smart, passionate, and relentless. Those are the same qualities it takes to be an entrepreneur. But entrepreneurship is harder than most people think."

Tony Brown would concur. He's a fixer, an instigator, a coach, a gadfly who founded the Enterprising Leadership Initiative within the Sanford School of Public Policy's Hart Leadership Program and who can rattle off dozens of examples of successful social and commercial enterprises led by his alumni. But he points out "there's a difference between entrepreneurship, entrepreneurship preparation, and entrepreneurship education. Most entrepreneurship happens five years out of college, ten years out of college, and to make the bet that we're going to scale entrepreneurship rather than entrepreneurship preparation—you gotta be careful of that." Asked if he plans to attend

the Start-Up Challenge finale, he waves his hand dismissively.

Yet Brown, too, has noted the sea change, and noted it with pleasure. "My work is now mainstream," he nods. "Duke is serious about this. The challenge is to be clear about our objectives."

For a growing cast of faculty and staff members, students, alumni, and parents, the objective is to weave an entrepreneurial way of thinking into the very fabric of Duke's culture. The best way to do so, they reckon, is by using entrepreneurial techniques: favor networks over hierarchies, prefer hard work to a brilliant idea, let everybody play.

The Start-Up Challenge is a perfect example. More than 300 volunteer judges winnowed the original 118 teams down to three, each of which includes members from other universities or the private sector. The finale is run by Fuqua and Pratt students, who seem lighthearted about the fact that none of their schools' sixty-four teams made the cut. Behind each business plan there's a lot of mentoring, sharing, trust—and yes, hard work.

**"I want to be sure the plans and pitches that come out of Duke are at the top of the heap compared to those anywhere in the world."**

But are entrepreneurs really different? Tonight's show is a decent test case. The audience starts trickling in, students bringing beer and wine, and the atmosphere becomes jovial. The Blue Devil is working the crowd, and the room takes on an almost-rowdy disposition, more like a sporting event or a concert, a scaled-down version of *American Idol*. And as with *Idol*, there's a paradox at play in the equally tantalizing possibilities that any one of the finalists may dazzle the crowd or be eaten alive by the judges' critiques.

One of those judges is Reid Lewis '84, cofounder and president of Group Logic, a company that integrates Apple products into Windows-based server systems. Although it can easily take a couple hours to review and comment on a start-up proposal, Lewis knows hundreds of hours go into writing one. "As an undergrad there's an immense array of things that distract you from that work. We want to make sure people get the best possible feedback and that they can create not just a good 'student plan' but a good business plan," he

adds. "I want to be sure the plans and pitches that come out of Duke are at the top of the heap compared to those anywhere in the world."

## Good Company Former Start-Up Challenge ideas that made it—and a few that didn't

### OmnipreSense

After winning the inaugural challenge in 2000, founders Vamsee Pamula Ph.D. '01 and Michael Pollack M.S. '98, Ph.D. '01 went on to launch Advanced Liquid Logic, which develops technologies for biological research.

### Sundance Genetics

Chuck Eesley '02, who founded the 2002 Start-Up winner, is now a professor at Stanford and a widely cited scholar of entrepreneurship strategy. He credits the challenge for helping direct his career trajectory.

### Optopo

2004 winner is now Centice Corporation, a technology company based in Morrisville, North Carolina. Todd Creech M.B.A. '03, a student on the Optopo team, is now CFO of SARCode, a start-up in Florida.

### Precision Biosciences

Matthew Kane's biotech venture earned second place in 2006, but it's outlasted the competition. Kane M.B.A. '06 remains CEO of the Durham-based firm.

### Oncoscope

Founded on the inventions of biomedical engineering professor Adam Wax A.M. '96, Ph.D. '97, the 2007 grand-prize winner is still doing business, and Wax remains chairman of the board.



### VisibleEnergy

2008 finalist became PlotWatt, which markets energy-saving technology to consumers.



### Wasabi

Shaan Puri '10, Trevor Ragan '10, and Dan Certner '10 got on a roll with their idea for fast, made-to-order sushi, which won the 2010 challenge. The roommates opened Sabi Sushi, an online restaurant in Colorado, which had a brief run before folding in late 2011.

### ShelfRelief

Textbook-swapping site, a finalist in 2011, is up and running after winning; founders have pledged to give profits to aid schools for orphans in Latin America.



### Sidewalk

Groupon-like concept made the final cut in 2011 and survives as Hootli, which hawks deals at nearly forty Durham-area businesses.



says. “I want to be sure the plans and pitches that come out of Duke are at the top of the heap compared to those anywhere in the world.”

Lewis sees the Start-Up Challenge as fitting under the rubric of the Duke Global Entrepreneurship Network—DukeGEN—which he helped create back in 2008 as a support network for entrepreneurs. Although DukeGEN has a speakers’ series, networking events from coast to coast, a website, a blog, and an extremely active LinkedIn discussion group, at bottom “it’s not a place—not even a virtual place—but a set of relationships and potential relationships,” Lewis says. “It’s organic, it’s reactive, ever-evolving, self-sustaining. It’s a community whose utility and intelligence are invisible, baked in.” And it’s only for Dukies. Anyone with a Duke connection can join, and many quickly discover that they “can have a huge impact on other people’s efforts, on their trajectory, with a little bit of time and knowledge that [they] already have.”

“DukeGEN is all about providing value,” agrees Howie Rhee M.B.A. ’04, looking over the crowd with a proprietary air as the auditorium fills. As managing director of the Center for Entrepreneurship and Innovation and himself a founder of two start-ups, Rhee is DukeGEN’s straw boss, apologist, and troubleshooter, the man behind the curtain. He makes sure that DukeGEN stays focused not on events but people—on helping people start their business, assemble the right team, get answers quickly.

“Duke is a very risk-averse culture,” he notes. “I think of what I’m doing as actually creating a movement. I want to engage people such that students, alumni, faculty, and staff are part of the movement, such that this is a bigger lifelong change for them.” It’s this kind of attitude that has turned the thirteen-year old Start-Up Challenge into a phenomenon.

Rhee envisions a continuous Duke-centered entrepreneurial community from matriculation to death, with the Start-Up Challenge somewhere near the front end. “Starting a company can be pretty lonely and stressful. You feel like

you’re on your own in the middle of nowhere. Through this movement we’re trying to make it feel like you’re part of something and that people will help you.”

Or help you back up again. Among entrepreneurs, failure isn’t something to be forgiven; it’s almost a badge of honor. “Entrepreneurism is a skill, like shooting a basketball,” says Rhee, “and if you want to get better at it, you have to practice. Part of getting better at it is just doing it again and again.”

Tony Brown puts it bluntly: “Unless somebody’s failed a couple times, I’m not going to fund them. Some kids come to Duke without having tasted failure. It gets in the way of their efficacy.”



Decision time: Judges huddle on stage to weigh the three presentations.

**W**hat good fortune, then, that on the night of the Start-Up Challenge two of the three finalists will fail. Indeed, the road is littered with corpses:

Two-thirds of the entrants didn’t survive past written summaries; the forty that moved on had to create a website and a video pitch. Judges whittled those down to nine semifinalists, all of whom are invited to the grand finale. Those who didn’t make the final three get to do one-minute elevator pitches, a kind of warm-up act for the main attraction to follow.

The audience rises to the occasion with hoots and whistles as we zoom through presentations on a new crowd-funding site, a “revolutionary tool that aims to bridge the disconnect between the physical and digital worlds,” a DNA-based marker for

keeping frackers honest, and a scheme for providing home health care in China. One presenter brings in a prototype of athletic apparel, inviting the judges to stroke it; another finishes with a balletic leap to get off-stage within his minute. A third forgets that the projectors are shining his presentation right across his face.

Keynote speaker Rich Lee, a Duke parent and serial entrepreneur who has donated half the \$50,000 prize money, takes the stage to invoke Archilochus’ ancient notion that “the fox knows many things, but the hedgehog knows one big thing.” The lesson for entrepreneurs, Lee concludes, is that “somebody will pay hedgehogs for what they love to do.” The crowd

roars with delight, and the three champions stir. Vijay Agarwal’s knee is oscillating at about 180 beats per minute as he looks darkly at his pager and reaches for his mobile phone. Hospital calling.

In past years, the winner has been chosen in advance behind closed doors, but this time the event has been tweaked so it all happens live. There’s no rehearsal, no safety net. The raked slope of the auditorium makes the stage seem like a gladiatorial arena; the judges, holed up at center left, are the lions.

Agarwal goes first. He skillfully navigates his material but then seems to dodge a question about his pricing model. Someone whispers—eliciting a groan—that the neurosurgical device is a no-brainer; but how do you monetize it? The on-deck undergraduate speakers clutch their hands, fold their arms, cross and uncross their ankles.

When Ting-Ting Zhou gets up, she rocks slightly from foot to foot as she talks, racing, forgetting to enunciate. In an interview before the event, she had revealed a possible Achilles heel: Turns out the intellectual property underlying Nanoly’s product is owned by the University of Colorado at Boulder. “They’ve agreed to license it to us,” Zhou assures. “Well, we’ve pretty much assumed they will agree to license it to us. The guys in the lab are willing.”

A few mumbled words get lost in the Q&A, but Zhou acquits herself with valor: Her team members have already engaged the FDA, Merck, patent lawyers, and ven-



ture capitalists. She'll be taking the summer off to raise another round of funding. James Sawabini speaks last, emboldened by having the most vocal contingent in the audience; indeed, he also won the pre-contest Facebook popularity contest, getting up early to text his friends around the country and amass more than 600 votes.

quality and depth of thinking in all three business plans, the panel gets quickly to the nitty-gritty. "Two of these three businesses—Zamsolar and Nanoly—sell to customers who don't have any money to spend," says one judge flatly. "Investors need to make money." Another questions how Sawabini and his business partner

all three. "If you were approached by a major foundation that said, 'We'll give you \$50 million if you agree to become a nonprofit and never take more than \$200,000 a year out of the business,' would you pursue the business plan under those terms?" Zhou instantly answers affirmatively, and after a pause, so does Agarwal. Sawabini is silent.

The presenters step down, and the audience starts tweeting in votes, which count for 20 percent of the final tally. The judges, who get the other 80 percent, form a football huddle onstage. Some kneel, others lean in to hear better as behind them the Blue Devil hurls T-shirts into a screaming audience.

After a few moments, the din recedes, and Rich Lee emerges on stage with an envelope, which he opens to a Thunderstick drum-roll. "Ladies and gentlemen, tonight's winner..." Lee beams, "Nanoly."

Ting-Ting Zhou is mobbed, looking like a beauty queen as she poses with the inevitable gigantic check. I fight my way through the crush to ask her what she wishes she had done differently. "The Q&A," she says immedi-



To the victor: Zhou beams as Nanoly is announced as the winner of the grand prize.

"Hey, guys," he begins with a disarming smile, and like the others he has a lot to say.

Showing up early pays off—he's comfortable with the room and stage—but he stumbles over a transposed phrase, recovers, laughs with the crowd, and then gets cut off at the end, reaching his ten-minute mark just as he tumbles to a conclusion. The judges are sympathetic but skeptical. "You're trying to re-create AT&T in Zambia," one challenges immediately. Asked how his team would manage the large organization required, he describes running his high-school newspaper.

In another bit of *American Idol* showmanship, the three finalists gather back on stage to hear the judges' pre-vote critiques. While there is considerable praise for the

## "Entrepreneurism is a skill, like shooting a basketball, and if you want to get better at it, you have to practice."

could put together an African distribution network. "What if," someone wonders gently, "you did a smaller market with more than one product?"

"Focus less on the idea and more on the execution," advises another.

But Agarwal's CranioVation, which looks like it might have the lead, also takes a hit for his being perhaps too eager to exit the market at almost any time. And, notes judge Karen LeVert, president and CEO of Southeast TechInventures, "all the projects are undercapitalized."

Finally Tom McMurray B.S.E. '76, M.S. '78, Ph.D. '80, president of Marine Ventures Foundation, poses a question to

ately and earnestly. "I should have been better prepared." Her parents hover in the background, letting her have her moment.

I ask Agarwal the same question. He shrugs. "We would have won if I'd had a better answer about pricing."

Sawabini lingers as the boisterous mob thins out. I raise an eyebrow at him. "I guess I could have talked more about profitability and all that crap," he says irritably, then pauses.

"You know this is only the first iteration of our plan." ■

*Baerman M.B.A. '90 is a playwright and essayist. He lives in Chapel Hill.*

**T**he skeptics are cordoned off by white drapes at the north end of Milk Studios in Manhattan, while the targets of their awe and ire, Sean Parker and Shawn Fanning, scramble to prep their latest, super-secret tech venture for its unveiling. The details surrounding Airtime, Sean and Shawn's first joint effort since Napster, have been sealed in silence, and though dozens of leading tech journalists were invited to Milk today for the launch, Airtime is rumored to be unnervingly glitchy. The event's scheduled start time has long past, and the journalists smell blood. But for the moment, they're mollified—audibly gushing to one another—by a platter of banana-bread peanut-butter-and-jelly sandwiches.

The effect is that the patience of the mob is buoyed. There's less milling and rocking on heels in the holding tank. Which makes it easy to spot the one figure slicing through the horde who's both in control and plenty at ease. This is Maneesh Goyal '97—tailored blazer, wrist-width tie, and a stern of sculpted black hair. It's the first time I've seen him in action at an event his experiential and digital marketing firm, MKG, has produced. "The pb&js? Yeah, that's us," he says, when I suggest the overwhelming enthusiasm. "Every bit of logistics from there on up."

MKG—both Goyal's initials and a useful vowel-less contraction of "marketing"—occupies a specialized edge of the advertising industry. Its prerogative is in creating an experience—not a tagline or image, but an event or environment, a real-life opportunity to interact with whatever it is a client wants to sell. (Goyal is quick with bits like this: "The CMO of Starbucks says you can't build a brand if consumers aren't experiencing it.") Since entering the experiential-marketing business in 2003—an industry Goyal says he "didn't even know existed until I was working in it"—MKG has quickly become one of its biggest players. At first a one-man shop, Goyal now has forty-three employees, fifteen of whom are moving from one behind-the-scenes corner of Milk to another like shadows, nailing down the million moving parts of the event.

"My team's done a great job, but I've got to be honest: I'm a little stressed," Goyal says coolly. "The technology is still a little sticky. The Airtime guys were writing code at 3 a.m. last night. And Parker's intense. We work with plenty of talent, but when you're dealing with that cult of personality...Sean's back there

working on it right now, taking issue with the temperature of the room. He's kinda freaking out..." He pauses—though not long, never long—"for reasons that don't have anything to do with us."

After an hour delay, the curtains are pulled aside and a junior MKG staffer relays via headset that "the audience is loading." Martha Stewart skips up to the stage from her seat in the front row to take a photo of the full house. Jimmy Fallon, whom the journalists had heard from their side of the curtain running through his one-liners—"even Lars Ulrich can use Airtime"—dashes out and hits them with the funny. Airtime, it turns out, is a video-chat website built atop your Facebook network that makes

it easier to talk online with friends. Once Fallon has warmed up the crowd, Parker "Airtimes" with Olivia Munn, who in turn Airtimes with Snoop Dogg, and so on, in a baton-relay of celebrity chatter. By the time we reach Joel McHale, though, things have fallen apart. Connections fail, images freeze, audio garbles. It's a testament to the comic dexterity of the actors—McHale: "Who are you going to fire over this?"—that the presentation doesn't rupture irreversibly.

As audience members begin to mutter, Goyal offers, perhaps a little too willingly, that Sean and Shawn's event is "really their baby." He recognizes that the snags offer journalists a chance to seize on the notoriously prickly Parker, which is probably exactly what they'd hoped for. But on the other hand, the *vision* of the event is expressed

articulately and executed immaculately. The guest list, the venue, the stage construction, the fashion-show lighting, the hand-crafted birch-and-maple stations available for Airtime demos, and the pb&js—these are the instruments of MKG's influence. For all its technical problems, Airtime's launch has an atmosphere of glitz and polish that softens its rougher edges.

By the time he's forking calamari at the members-only Soho House in the Meatpacking District, Goyal's attention has turned to other things on the coming weeks' schedule—the Whitney Art Party, the meeting with Google, the event for Persol. He chats casually about MKG's new office in Los Angeles and the lucrative acquisition offer he just fielded, and I get the sense that Airtime's rocky demo will effect about as much pause on this guy's momentum as a peanut on a track would a train's.

**Master of experience:** With MKG, Goyal is building a niche in an industry he didn't know existed.

# LIVING THE BRAND

**Maneesh Goyal '97** turned a knack for throwing a great party into a marketing powerhouse by understanding one thing: how to make people want what they never knew they wanted.

By Daniel Riley • Photography by Yunghi Kim





**Making it click:** Goyal offers a few last words for his staff before an event. “I believe in my team,” he says, “that we’re capable of so much.”

**T**he shortest distance from the elevator bank to Goyal’s corner office near the rear of MKG’s SoHo headquarters is past a white porch swing, a London phone booth, a bank of non-cubicle cubicles, and a blackboard with MKG’s core values (postulates like “Bring your funky self”). The 10,000-square-foot loft buzzes, and not just on account of the electricity passing through the office’s many neon features. There’s a heightening, a hum, a palpable current. There’s current in Goyal’s furniture, his ice-water decanter, in the emphatic presence of his hands, and in most things he says. He believes in stuff. Answers are often framed as declarative philosophies: “I create experiences for people”; “I am a consummate social creature”; “I am an agent of change.”

I get the sense during our hours together that Goyal has worked his way through his story—that early chapters of a memoir have been drafted. And then he comes right out with it: “But when I write a book it’ll be about building a business, not throwing a party.”

The first part of that book would be a narrative of unchanneled ambition. After Duke, where Goyal says he had a pretty fulfilling four years on both the academic and social fronts, the idea was to devote himself to nonprofit work. (He first describes the goal as “wanting to work for an NGO,” but later suggests it was really “wanting to become the executive director of a cool, progressive, possibly international nonprofit.”) A master’s degree in public health from Yale was followed by a string of low-level posts in organizations he summarizes as “helping others.” But the work felt small and unsatisfying.

Four years after graduating from Duke, Goyal found himself a little jobless and a little directionless, and so he started picking up

shifts at events. Ten bucks an hour moving boxes, that sort of thing. “I would come home, and I’d think, *that felt good*,” he says. “I knew enough to know that I wasn’t always going to be making ten bucks an hour. And then the P. Diddy thing happened.”

The P. Diddy thing—how Goyal ended up as a part-time party planner for hip-hop mogul Sean Combs—is more or less MKG’s chiseled origin myth, and it goes like this: “The week before 9/11, when I was twenty-six, I was asked to work on Puff’s MTV Video Music Awards party. I wasn’t hired to do the party—there were several layers above me—but I was still engaged. At that point I was trying to get as much work as I could. I made a couple hundred bucks for the project. It was fulfilling, it was cool, whatever. The next week, 9/11 happened. I was living in SoHo, and there was the curfew below 14th Street, and if anything it kinda gave me fortitude to eschew foundation work and commit to something I felt passionate about.

“A couple months later, I get a phone call from Puff’s office saying, ‘Hey, we want to talk to you about doing this New Year’s Eve party in Miami.’ And I was like, ‘Oh, you called the wrong person.’ I wasn’t *the guy*, I wasn’t in charge. But they were like, ‘No no no, we know who you were at the event, and we want you.’

“I think they’d latched onto something that I credit for why I’ve been successful to date”—and here he commands the shades down with a remote control shaped like a stone. “It’s an uncanny connection to client service and humility in an industry that’s overrun with really aggressive personalities. Because I knew I was gonna be the first one kicked out of contention to work this party, the only one who didn’t belong at the table, I didn’t need to over-prove myself. Puff started calling me ‘Yalie’ just because he was so im-

pressed that someone around him went to Yale.

"This was when Puff was at the top of his game, when he *was* the consummate party. I had never been to Miami before. Every place I had ever been in my life, it was cold in December, including Dallas, where I'm from, and even North Carolina. And so I brought turtlenecks and sweaters to Miami, and everyone was laughing at me. I was in over my head. But it turned out spectacularly, that event I ended up doing at the Shore Club in Miami. And it started me down the path."

Goyal worked with Combs for three years, planning VMA parties and other special projects. But he was careful to resist becoming a "hip-hop guy, a music industry guy." With the new visibility and a proactive pursuit of back-scratching partnerships with big-time PR firms, he began to draw billings from corporate clients. Vitamin-water. Estée Lauder. And perhaps most critically, Delta, for which he started working in fall 2003 and now oversees the strategy and execution of all sponsorship marketing and event-based marketing.

In April, Goyal had just returned from a week in L.A. for a project called Delta Day with the Los Angeles Lakers, part of his plan to position Delta as L.A.'s hometown airline. For the event, MKG constructed a court on the plaza in front of the Staples Center where fans could shoot from spots on the hardwood that corresponded to free trips. (Drain a jumper from the top of the key and fly non-stop L.A.-to-Tokyo, and so on.) "Our directive is to integrate Delta and that city. We've done some important things with some key properties that Angelenos will care about. Using sponsorship and passion-point marketing as a way to kind of get to the people. Getting into bed with the Lakers and becoming their official airline was one big key component. But that's not enough: We can't just have your logo out there and rely on that. You've got to actually do something physical, and that's obviously where we come in, to help create programs that will live from an experience standpoint." Love equals Lakers equals Delta—a set of links familiar to their retainer-based client.

MKG works with project-based clients, too. Say, for example, Jaguar wants a one-off showcase of its new line, but in a more memorable manner than on the Auto Show circuit or a dealership lot. In that case, MKG constructed a giant snow globe (at the height of summer) near the High Line in New York—complete with free iced coffee and snow cones. "The Chill Zone" brought consumers out of the heat, and into very close and cool proximity to Jaguar's new goods. Or there's the pop-up store in Times Square MKG created for *Wired* this past winter. Does a reader, or a stranger on the street, feel more connected to a magazine's brand after stepping inside those walls? *Wired* is betting on it.

And so are many others. Goyal still was running the operation out of his apartment when he hired his first employee in 2005—a deputy who's still with him. Now he has staffers on both coasts, including four at MKG's new office in Los Angeles, where Goyal spends typically eight to ten days a month. Executing individual projects and tethering new brand clients was never as much *work-work* as most would consider it. The "new business" business, the client service, the face-to-face—that's what Goyal lives for.

Which is how he's often able to make it to two or three events each night, every night. "Some people groan when they think about my schedule in the evenings. But for me, coming off a big night of hitting a few events and meeting a bunch of people, I'm fueled up."

Whereas other people would be depleted and need a week to recover, I'm ready to go the next day. That's just my DNA."

**T**he energy thing—it can't be overstated. It's like a switch rusted stuck in the on position. Each time we meet, Goyal's rundown of what he's been up to seems to suggest that even by boundless, rich-person standards, he's capable of building a month's worth of highlights into just a few days.

And yet, since the t-crossing and i-dotting of MKG's day-to-day are now executed mostly by staffers, Goyal is left with calendar space to scribble in extracurricular busyings. Things like devising morale-boosting initiatives for his employees ("I'm an office culture acolyte," he says), or hooking up with foundations connected to high-import causes (he served six years on the board of the Empire State Pride Agenda, the group that effectively sparked the marriage-equality debate in New York), or, most recently, flexing fundraising muscle as a newly anointed Obama bundler. "Wariness, a sense of being overstretched," he says, "it's just not part of who I am."

Above all, though, that fuel seems to burn most efficiently when socializing. He pushes a "never eat alone" mandate, preferring whenever possible that breakfast, lunch, and dinner be slated in advance. And in early April, when I'm buzzed up to the Union Square loft Goyal shares with his partner, he's got a couple of assistants and a chef from the West Village cubbyhole Recette doing prep work in the kitchen. Goyal's hosting a dinner party—one of the "salons" he likes to pull together at least once a month. In addition to his partner when he's in town (Andrew's a group vice president at Macy's; "an accounting nerd," Goyal embroiders it affectionately), he likes to invite new and old friends from unlike

industries, most of whom are strangers before that evening "and all Facebook friends by the end of it," he says. Throw 'em in the deep end together, is how Goyal sees it, only the deep end is a 2,500-square-foot second-story corner unit with wall-to-wall windows, gutted and renovated, and decorated with reflective silver balls and mixed paisley patterns. It's tricked up, too. Electronic sensors on the bedroom door. Roman shades. A hotel bar's cache of fancy booze squirreled away in kitchen drawers. (There's a tour of the apartment on YouTube.)

When we sit down to talk (the leather lump I've planted myself on is wrapped in fabric from one of his mother's old saris), the conversation hangs close to the dinner party,

and Goyal runs down tonight's guest list: mostly brothers or mothers of famous people I've heard of, plus that brunette from the omnipresent T-Mobile campaign. They are all "my close friend," or at least "a friend."

At one point, back on the business, I ask him the question I've been eager to press upon an advertising exec: Why wouldn't clients just hire their own in-house team of marketing geniuses and cut you out?

"It's the age-old question, right? Do you do it yourself, or do you outsource it?" Goyal says. "And I think that in this particular business landscape, you just cannot build brands without partnering with real strategic think tanks. Every brand does it. They have people in-house who do what we do, but they'll always partner with agencies because you get critical thinking, and because basi-

***"Some people groan when they think about my schedule in the evenings. But for me, coming off a big night of hitting a few events and meeting a bunch of people, I'm fueled up."***



**Peak performance:** A self-proclaimed “office culture acolyte,” Goyal focuses on touches that keep MKG’s vibe electric.

cally we’re doers. I believe in my team, that we’re capable of *so much*. We end up doing a lot of the doing on behalf of the client.”

There are brief stretches of diligent answers—answers that it sometimes seems have been written and rehearsed and edited—when I start to drift. Music mists from the speakers (“I hire someone to program my iTunes for the parties,” he mentions) and spring light comes low through the windows, reflecting off the lettering on some Art Basel Miami coffee-table-book spines. I’m really flagging, it’s been a long week, I could use some sleep. And in that moment, amidst the luxe toys and the preparations for yet another social carnival, I realize this thirty-seven-year-old will never feel the way that I do now—and this is why he believes anything is possible.

**T**he money, yes, but never just the money. It shouldn’t surprise that Goyal cares about the bottom line; he’s a founder and CEO of a business that sinks or swims by the machinations of moneymaking. And yet for all the evident transformation since college, there still seems nothing more authentically critical to Goyal than philanthropy. He requires his employees to do community service and to donate a hunk of their annual bonuses to charity, but “executive director of a cool, progressive, possibly international nonprofit” he is not. It’s just MKG seems to stitch “doing well” and “doing good” more thoughtfully than you’d imagine. Almost like the two halves of a baseball hide, sharing a border at all points.

“This is totally the gateway to doing more and more,” he says. “I’m so much more capable in my agent-of-change work from where I’m sitting. Someone once told me you want a triple-net benefit: You want to help your bottom line, you want to help others, and you want to help the planet. I really responded to that.”

sweet spot for living.

It’s a nice idea, if a little inchoate. What Goyal plans to do, though, is put it through the wash as he would the new lie-flat business class seats for Delta. That is: purchase URLs (for both “grey” and “gray”), build a Twitter account, hire a publicist, pair the message with inspiring stories from real-life liveinthegrey/gray types—“John Legend, for example, who’s a friend”—and carve out a content pool that could lead to viral campaigns, television, events, and ultimately a national competition. Crown a LitG winner, some young person who resists the pressure to find a safe career and instead lives blindly, following his or her passions, feeling around for a job that doesn’t suck. “This

is just such an important aspect of who I am,” he says, “because if I’d listened to what people were telling me I was supposed to be doing, I’d be a miserable doctor right now. And not a very good one.”

Instead, there is MKG. And what MKG does really, really well is create experiences. Fun, memorable experiences that make you want to hang out with—or buy, or use, or whatever—the things those experiences were designed to promote. Experiences that make you wonder whether you’re truly content with your bicoastal carrier, or if there’s perhaps a better alternative. A version of yourself, maybe, that flies to L.A. for twenty-four hours, works in SoHo by neon light, hosts salons with the T-Mobile girl, and gets—this is the cherry—your corn knifed off the cob for you at members-only clubs in Manhattan. It’s a life that looks good. And the way it’s been presented to me—each of these experiences—I kind of want that life even though I’ve never wanted anything like it before. Though working for MKG isn’t exactly for me, I sure could get used to being the boss. In other words: I’m sold. ■

Riley ’08 is an associate editor for GQ.

# Muse

## BOOKS

**Don't fence me in:** *Colors of Confinement*, published by UNC Press and the Center for Documentary Studies, features rare Kodachrome photographs of Japanese Americans incarcerated at Wyoming's Heart Mountain Relocation Center during World War II. Amateur photographer and internee Bill Manbo took most of the book's photos, including this one of his son, below.



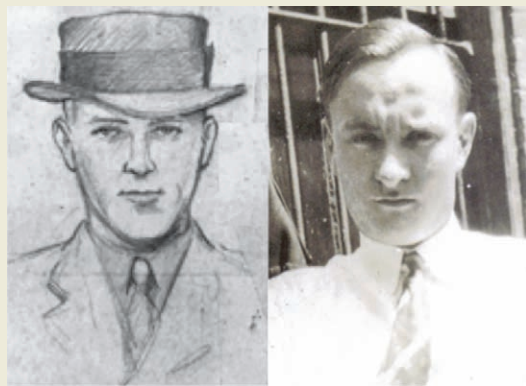
## Solving the Crime of the Century

A new book by Robert Zorn '79 unwinds the conspiracy behind the Lindbergh kidnapping—and proves his father right.

In 1932, toddler Charles A. Lindbergh Jr. was kidnapped and held for ransom in a case that made international headlines as “the Crime of the Century.” Lindbergh, the first-born son of aviation hero Charles A. Lindbergh and his wife, Anne Morrow Lindbergh, was later found dead. A Bronx carpenter

named Bruno Hauptmann—who claimed innocence until the end—was eventually convicted and put to death for the crime.

**“I kept thinking that I might find evidence which disproved my father’s theory. But I kept finding more and more evidence that proved him right.”**



Courtesy Robert Zorn

Mounting evidence: A 1932 police sketch of “Cemetery John,” the kidnapper who collected a \$50,000 ransom in a Bronx cemetery, left, and a photo of John Knoll, who left clues about the kidnapping for Zorn to discover.

But many people remained convinced that Hauptmann had not acted alone. The child had been abducted from his second-story bedroom and carried down a ladder, a task seemingly unmanageable for just one person to accomplish. And then there was the shadowy figure dubbed “Cemetery John,” who had intercepted the ransom payment during a graveyard rendezvous, and who bore no resemblance to Hauptmann.

Eugene C. Zorn Jr. lived in the same New York borough as Hauptmann. Over time, Zorn be-

came convinced that, as a teenager, he had unwittingly overheard a conversation plotting the Lindbergh kidnapping—and that his former neighbor, John Knoll, might be the man known as Cemetery John. On Christmas Eve 2006, as he lay dying, he asked his son, Robert, to uncover the truth about who kidnapped and killed Charles A. Lindbergh Jr.

In *Cemetery John: The Undiscovered Mastermind of the Lindbergh Kidnapping*, Robert Zorn has fulfilled his promise. During three years of research, Zorn amassed a preponderance of evidence to reach a stunning conclusion: Three men were involved in the kidnapping conspiracy, including Hauptmann and Knoll, who had befriended Eugene Zorn

in the early 1930s. What’s more, Knoll, whose physical description matches that of the never-identified Cemetery John figure in the case right down to a deformed left thumb, intentionally and systematically provided the teenager with clues about the crime.

“I kept thinking that I might find evidence which disproved my father’s theory,” says Zorn, whose quest became all-consuming. “But I kept finding more and more evidence that proved him right.”

Zorn reached out to dozens of experts to help him understand and interpret new evidence he uncovered through interviews and archival research. The experts used twenty-first-century criminal investigative

### BOOKS

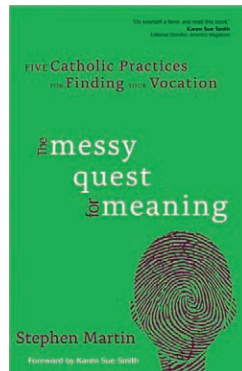
## Journeys of Faith and Discernment

What does it mean to be a person of faith in today’s world? Two new books—*Amazing Gifts: Stories of Faith, Disability, and Inclusion*, by Mark Pinsky '70, and *The Messy Quest for Meaning: Five Catholic Practices for Finding Your Vocation*, by Stephen Martin '95—explore the question from different perspectives.

With the return of injured veterans from the Iraq and Afghanistan wars, a growing population of aging Baby Boomers, and a rising number of people with conditions such as autism and depression, churches are being asked to alter both architecture and attitudes to serve their members. Pinsky, a religion writer

for the *Orlando Sentinel* and the *Los Angeles Times*, explores the challenges and spiritual imperative of welcoming people with physical, psychiatric, and intellectual disabilities into congregations.

Martin, a former *Duke Magazine* intern who now works for the Center for Creative Leadership, draws on his own personal struggles to find meaning in an increasingly complicated and divisive world. From the wise guidance of late Duke professor of French Wallace Fowlie to spending time with Trappist monks, Martin’s journey of discovery serves as a guidebook for readers seeking ways to discern purpose in their own lives.

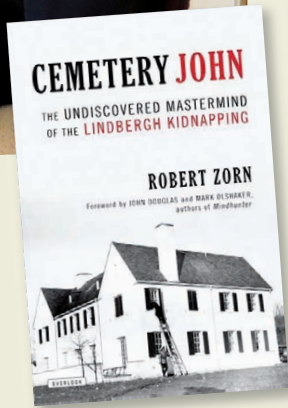






Caitlin Urban

**Detective work:** Author Zorn with the issue of *True* magazine containing an article about the Lindbergh case; Zorn's father came across the magazine in a barbershop and started piecing together decades-old memories of a neighbor he suspected was involved.



techniques—forensic pathology and linguistics, handwriting analysis, psychiatry, and psychology—to re-examine existing evidence. The group included retired FBI special agent John Douglas, who pioneered the FBI's Behavioral Sci-

his suspicions about the Lindbergh kidnapping with his son, John Knoll died after falling off a ladder and hitting his head.

—Bridget Booher

ence Unit; former New Jersey Gov. Brendan T. Byrne, who had long believed that Hauptmann had accomplices; and forensic anthropologist Kathy Reichs, producer of the television show *Bones* and the model for its main character. After studying the evidence, even a niece of John Knoll's told Zorn, "Uncle John should have done the right thing and turned himself in."

*Cemetery John* has prompted renewed public and media interest in the Lindbergh kidnapping. PBS's *Nova* will air a special featuring Zorn's story in early 2013, and a Hollywood film producer has already approached him about a possible movie treatment.

Zorn sometimes imagines confronting John Knoll with the proof of his role as the criminal mastermind of the case. But that confrontation only happens in Zorn's imagination. Two months after Eugene Zorn first shared

## THEATER

### Taking the Show on the Road

For playwright Martín Zimmerman '07, all the world's a stage—or at least all of the U.S. Based in Chicago for the past two years, Zimmerman was recently named a Jerome Fellow, the longest-running program of the Playwrights' Center of Minneapolis, where he will spend a year developing a new full-length work. Zimmerman is no stranger to local theater; he has had readings and performances of his work in Atlanta, Philadelphia, Washington, New York, and Tucson, Arizona, to name a few. "It's wonderful to see all the different areas of the country where people are excited about theater. There's all that talk about theater waning as an art form, but in the past thirty years, theater is clearly proliferating," he says.

One benefit of such an approach is being able to see how different writers, artists, and companies experiment with new trends and ideas—even if they may be contradictory at times. "There's a lot of discussion about how theater can work with technology, and a lot of people doing wonderful work about social media with theater. But I'm interested in pulling away from technology and forcing myself to do plays in barebones ways that require ingenuity, not technology, to enact," he says. "Personally, the experience of going to theater should feel like going to church or temple."



Jiangshan Ho

## MUSIC

### Telling Stories With Music

When composer George Lam A.M. '08, Ph.D. '11 wanted to produce an original opera as part of his dissertation, he started the Duke New Music Ensemble to ensure the work would be presented to a wider audience than just his peers and professors. "The Persistence of Smoke," which ultimately involved several Duke departments and programs, meshed music with oral history and documentary to tell the story of Durham's tobacco industry.

Lam now lives in New York, where he's a production associate for Gotham Chamber Opera and Music-Theater Group and co-director of Rhymes With Opera, a group he helped found in 2007. This past summer, he premiered new works for three distinct audiences: *Transfiguration Sunday*, an anthem he wrote for Christ Church United Methodist in Manhattan; his multimedia chamber opera *The Love Song of Mary Flagler Cary*, which was performed at Manhattan's DiMenna Center for Classical Music; and a commissioned arrangement of a Cantonese folk song that was performed by Hong Kong's Sinfonietta as part of its "Good Music for Babies" concert series.

For his next project, Lam is working with New Morse Code, a Connecticut-based trio, and members of Rhymes With Opera to compose and produce a work that focuses on expatriates living in the U.S.

# Sports

## Perfect Position

With two Olympians returning, Duke's diving team expects to make a splash. | By Mike Schreiner

In the year leading up to the London Olympics, two pictures hung in the corner of the Taishoff Aquatics Center, home of the Duke swimming and diving program. Positioned between the ladder divers use to exit the pool and the one they use to summit the diving platforms, the images showed the inside of the London Aquatics Centre, the site of the Olympics diving competition. One was a full view of the arena from a spectator's perspective. The other was taken from the top of the diving platform—the view competitors would see just before making an Olympic dive.

Five years ago, those pictures would have represented a nice fantasy, but nothing more. At the time, Duke's diving program had never yielded so much as an All-ACC diver. An Olympian? It would have seemed too lofty an ambition.

But look at Duke diving now. Two Duke divers—seniors Abby Johnston and Nick McCrory—competed for the U.S. in London. Johnston won a silver medal and McCrory a bronze in synchronized diving, and McCrory placed ninth in the ten-meter platform diving competition. Their coach—Duke diving coach Drew Johansen, the man responsible for those photographic reminders—was selected to lead the U.S. diving team, which won four medals after having been shut out during the previous two Olympics.

And the best may be yet to come. With the Olympics behind them, Johnston and McCrory are back

in Taishoff, where they'll rejoin one of the most promising diving teams in Duke history.

"It's really exciting—Duke diving is making great strides, and it wouldn't be possible without Drew," says McCrory. "It's going to be a good year for Duke."

Those strides began in 2007, when Duke lured Johansen away from the USA Elite Diving Academy, a junior and senior diving program he founded in Columbus, Ohio, in 2001. One of the top private diving programs in the nation, Johansen's academy had trained three high-school state diving champions in 2006. But he was intrigued by the Duke program, which he says was "doing a good job on the conference level" but had higher aspirations. Duke had converted a part-time coaching position into a full-time focus on diving—a sign, says Johansen, that the university was taking the sport seriously.

"When Duke decided they wanted to support diving as a legitimate top program in the country, it was a no-brainer," he says. "I jumped at it immediately."

In his first season as head coach, Johansen helped Julie Brummond '10 become



Associated Press

Duke's first-ever All-ACC diver. He also

ramped up recruiting, signing four top high-school divers in the spring of 2008. Among them was Abby Johnston, a two-time state champion diver from Ohio who had trained with Johansen at the USA Elite program since she was twelve.

When Johansen left for Duke in 2007, Johnston followed, moving to Durham so she could continue working with her coach during her final year of high school.

"I have just gotten along with him well," Johnston says. "He knows how to push me, and I trust that what he does is in my best interest all the time." Making the Olympic team, she says, was a goal she and Johansen began focusing on when she was fourteen.

Johansen has long roots with Duke's other Olympian as well. Nick McCrory started training with Johansen before he entered high school in Chapel Hill. After narrowly missing the Olympic team in 2008, McCrory signed on to be part of Johansen's second recruiting class. "Working with Drew is something I really wanted to continue," McCrory says. "He studies [divers] and takes on a really technical perspective, changing little details

## DUKETICKER



**OLYMPICS:** Nick McCrory and Abby Johnston weren't the only Duke athletes at the Olympics. Here's a rundown of Duke's ties to the games:

The U.S. men's basketball team, coached by Mike Krzyzewski, went undefeated in the Olympics, surviving a close game against Spain to win a gold medal. Krzyzewski became the first person to coach the U.S. men's team to back-to-back gold medals since Henry Iba in 1964 and 1968.

Also in men's basketball, former Duke players Luol Deng '07 and Martynas Pocius '09 played for Great Britain and Lithuania, respectively. Great Britain's team was eliminated in group play; Lithuania reached the quarterfinals of the medal round.

Shannon Rowbury '07 advanced to the finals of the women's 1,500 meters, where

she finished sixth and was the top U.S. performer in the event. It was the second Olympics for Rowbury, who finished seventh in the 1,500 in the 2008 games.

Jillian Schwartz '01 represented Israel in the pole vault, but did not advance to the event finals.

Rebecca Smith '03 played as part of New Zealand's women's soccer team, which was eliminated in group play.

Hiroshi Hoketsu A.M. '68 represented Japan in the equestrian sport dressage. The seventy-one-year-old rider, whose last Olympic appearance was forty-eight years ago, is the oldest person to compete in the Olympics in nearly a century. Hoketsu, who finished in the middle of the pack, told reporters he would not compete in the 2016 games because his horse was too old.

that will make a huge difference.”

With Johnston and McCrory leading the way, Duke rose to unprecedented levels of diving success. McCrory won national championships in each of his first two seasons at Duke, earning All-American honors in three events. Johnston, also a three-time All-American, won her first national championship in 2011, earning the title in the three-meter springboard event. That season, Haley Ishimatsu, a Californian who qualified for the 2008 Olympics

**“It’s really exciting—Duke diving is making great strides, and it wouldn’t be possible without Drew.”**

coach—will pay dividends down the road.

“It speaks volumes to the type of program we run here—how intense our training can be and that we have very high goals,” she says. “It shows that Duke is full of well-rounded people who excel athletically and academically.”

It’s that blend of academic and athletic opportunity that Johansen says sells so well with elite divers. For example, one of this season’s top recruits is Kendall McClenney ’16, a Texas native who had a strong showing at the U.S. Olympic Trials. McClenney chose Duke after Johansen stressed that she would have the chance not only to compete, but also to pursue other inter-

ests on campus. After watching Johansen work with the Duke divers, she was sold.

“I loved the way Drew coached,” she says. “It was very laid-back, but you could also tell he would really work hard.”

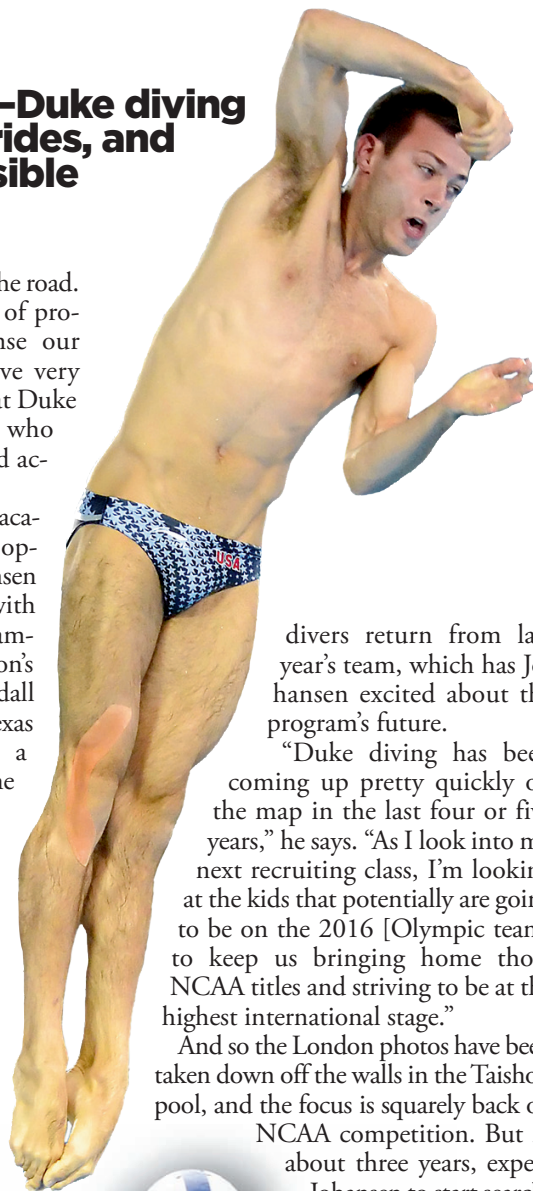
McClenney joins two other heralded freshmen—Deon Reid of Long Beach, California, and Jaimee Gundry of Surrey, England—who will debut for Duke this fall. In addition to Johnston and McCrory, three



Showing medal: Nick McCrory and Abby Johnston, with coach Drew Johansen, returning from London

when she was just fifteen years old, became Johansen’s third ACC champion, winning the platform diving title. Johansen, meanwhile, was named a USA Diving Coach of Excellence in 2010.

All three divers stepped away from NCAA competition last season to focus on training for the Olympics. (Ishimatsu, who did not qualify for the Olympic team, has since transferred to the University of Southern California.) And while that may have hurt Duke’s team performance last season, Johnston says having three Olympians—two students and one



divers return from last year’s team, which has Johansen excited about the program’s future.

“Duke diving has been coming up pretty quickly on the map in the last four or five years,” he says. “As I look into my next recruiting class, I’m looking at the kids that potentially are going to be on the 2016 [Olympic team] to keep us bringing home those NCAA titles and striving to be at the highest international stage.”

And so the London photos have been taken down off the walls in the Taishoff pool, and the focus is squarely back on NCAA competition. But in about three years, expect Johansen to start searching the Internet for just the right picture of the Maria Lenk Aquatics Center in Rio de Janeiro. ■



**THESCORE**

**BASEBALL:** Chris Pollard, former head coach at Appalachian State University, was named to lead Duke’s baseball program. Considered a top recruiter, Pollard guided Appalachian State to six consecutive thirty-win seasons and was selected as the 2012 Southern Conference Coach of the Year. He replaces Sean McNally ’94, who resigned after seven seasons with the Blue Devils.



Jon Gardiner

**WOMEN’S SOCCER:** Duke’s Kelly Cobb and Mollie Pathman, left, were selected to join the U.S. Under-20 national team that competed at the FIFA Under-20 Women’s World Cup in Japan. Cobb and Pathman are among eleven starters returning from last year’s Blue Devil team, which advanced to the College Cup championship game.

**35 and 843**  
Number of receptions and yards senior wide receiver **Conner Vernon** needs this season to become the ACC’s all-time leader in both categories. In his first three seasons with the Blue Devils, Vernon caught 198 passes for 2,675 yards, a pace that would easily break both records. Vernon also leads all active college football players with at least one catch in thirty-five consecutive games.



**Robert Flowers**  
M.Div. Candidate  
Duke Divinity School

# CRAZY SMART

It happens about four million times a year—someone walks through the door of a Duke University library.

That's like a visitor every eight seconds, around the clock, all year long.

And that's not even counting the six million annual visits to our website (one every five seconds) or eight million searches in our online catalog (one every four seconds).

People choose Duke for any number of reasons. But whether they want to be the next great economist, documentary filmmaker, or heart surgeon, they have one thing in common. They all end up in the library.

That's not just smart. That's crazy smart.

Be counted. Support Duke University Libraries

[library.duke.edu/crazysmart](http://library.duke.edu/crazysmart)

DUKE UNIVERSITY  
  
LIBRARIES



CONTENTS

**DAACONNECTIONS** ..... 60

**LIFE'S BROAD SEA** ..... 62

**CLASSNOTES** ..... 63

**CLASSIFIEDS** ..... 77

**“He will be able to give our kids a point of view that none of us can as a former Duke student-athlete.”**

—Lacrosse coach **John Danowski** on his son, former NCAA all-time leading scorer Matt Danowski '07, joining the team's coaching staff

# Forever

# Duke

DUKE ALUMNI ASSOCIATION

[www.dukealumni.com](http://www.dukealumni.com)



**A sense of community:** A summer send-off party for Shanghai students heading to Duke, left; Palm Beach County alumni sponsor a semi-annual roadside cleanup of Okeechobee Boulevard, above, left.

Courtesy Duke Alumni Engage

Courtesy Duke Alumni Engage

# DAAConnections

ENGAGE. CONNECT. CELEBRATE.



On stage: In Houston, Brodhead and Shane Battier traded insights on basketball and Duke's future.

## A Moving Dialogue

Duke Idea talks wrap up international circuit.

The set was meant to be like a traveling version of President Richard H. Brodhead's office in the Allen Building: a few high-backed leather chairs placed around a Gothic windowpane that looked over a "view" of West Campus. But for alumni who attended one of The Duke Idea events during the past four years, it was the conversations themselves—lofty explorations of topics such as leadership, education, global health, and the arts—that offered a true window on Duke.

The traveling series, launched in November 2008, featured Brodhead engaging with various university and civic leaders on issues of the day. It concluded in May having visited thirty-three cities and drawing a combined audience of more than 6,000 alumni and friends.

Brodhead's conversation partners included: medical chancellor Victor Dzau, who was joined, in Boston, by trustee Paul Farmer '82, founding director of Partners In Health; deans Nancy Andrews (medicine), David Levi (law), Tom Katsouleas (engineering), Blair Sheppard (formerly Fuqua), Sandy Williams (formerly medicine), and Greg Jones M.Div. '85, Ph.D. '88 (formerly divinity); vice provost for undergraduate education Steve Nowicki; founding director of the Duke Global Health Institute Mike Merson, featured in a TDI program at Baltimore's National Aquarium; and Nasher Museum director Kim Rorschach, who did one program at London's Tate Britain and also was joined, in Miami, by Jason Rubell

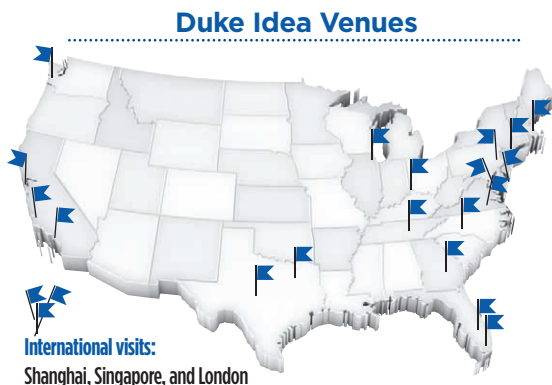
Georgia state senator, offered thoughts on "Crises and Contemporary Politics" in Atlanta's Carter Center.

At Washington's Kennedy Center, the conversation featured trustee David Rubenstein '70, cofounder and managing director of The Carlyle Group, on "Education, Investing, and Philanthropy"; in Orange County, William H. Gross '66, manager of the world's largest bond mutual fund; and in Charlotte, two philanthropy leaders, Russell Robinson '54, J.D. '56, chair of The Duke Endowment, and trustee Michael Marsicano '78, M.Ed. '78, Ph.D. '82, president and CEO of Foundation For The Carolinas.

In Durham, Brodhead was joined on the speakers' platform by Durham Mayor Bill Bell and Jim Goodmon '65, president and CEO of Capitol Broadcasting Company, for a recap of the revival of downtown Durham. And in distant Shanghai, the alumnus in the spotlight was Xiqing Gao J.D. '86, president of the China Investment Corporation.

University officials say alumni around the country—and around the world—will continue to have regional opportunities to hear about Duke's vision. Many of those programs will align with the new Duke Forward campaign.

"The Duke Idea series showcased the breadth of talent and expertise in the Duke community," says Brodhead, "and was a great way to connect alumni to powerful thinkers on contemporary issues."





Natalie Steneker

## Alumni Endowed Undergraduate Scholar

**WHO:** Sarah Watson '16

**WHAT:** Duke Alumni Association's newest Alumni Endowed Undergraduate Scholar

**HOMETOWN:** Boerne, Texas

**DUKE CONNECTIONS:** Father, Clarence Fletcher Watson III '85

**WHY DUKE?:** "When I visited campus, it was even better than I imagined it would be. I saw people who were driven and determined, and I found myself wanting to be one of them. I applied and was accepted Early Decision."

**PLANS:** Participate in the Focus Program's "Memory and Invention: Medieval and Renaissance Worlds" cluster; apply to DukeEngage; get involved with Duke Student Government; continue ballet dancing and learn new dance forms; sample Durham's diverse dining scene; join Campus Crusade for Christ; explore a wide range of extracurricular clubs, groups, and opportunities.

**QUOTE:** "Duke is such an amazing place that it inspires me to be the best person I can be. I am so excited and so grateful to be a part of it."

## How are you ForeverDuke?

It may take a village to raise a child, but sometimes it takes a university to help pull off a marriage proposal.

David Kelley B.S.E. '07 and Emily Schmidt B.S.E. '07, M.E.M. '12 were classmates in the Pratt School of Engineering, but knew each other only in passing. Back on campus for Homecoming 2007, they kept bumping into each other and ended up dancing the night away at the President's Dance. Thus began a long-distance relationship that flourished.

Fast forward to graduation weekend 2012. In honor of Schmidt's newly issued graduate degree, Kelley told her he wanted to give her a congratulatory present on top of Duke Chapel, a site that would evoke memories of a similar gift exchange at the top of Rockefeller Center early in their relationship.

Kelley had a large aerial photograph of Duke Chapel to give to Schmidt. But he also had a second, secret present in his jacket pocket. Chapel housekeeper Oscar Dantzer met the couple at the bottom of the chapel's narrow spiral staircase. As they ascended, Kelley gamely lugged the aerial photo up the 239 steps, keeping an eye on the time.

At the top, they set up Schmidt's camera for a timed photo. With his nerves getting the best of him, Kelley fumbled two attempts to take a picture. Schmidt took over. As she started the timer and returned to her spot, Kelley kneeled down and started waxing romantic about his love for her.

"When I gave her a chance to speak she didn't say anything, and I realized I hadn't put my speech in the form of a question."

Kelley popped the question formally, and Schmidt said yes. Back down on the chapel lawn, they were joined by family members and a handful of other conspirators in the Duke community who had been in on the plan, including senior associate dean of Trinity College Gerald Wilson B.Div. '61, A.M. '68, who offered to marry them on the spot "to save some time and money."

The couple are now back in D.C., "enjoying our engagement and trying out this new fun word 'fiancé,'" says Kelley. "Many thanks to everyone at Duke who made the proposal dream come true. I couldn't have done it without them."

—Bridget Booher



David Kelley

Sealed with a kiss: Kelley and Schmidt mere moments after the proposal.

# Life's Broad Sea

ALUMNI IN THE SPOTLIGHT | By Bridget Booher

**Paula Ehrlich '84** may be the only foundation leader whose expertise includes environmental planning, equine surgery, bone physiology, corporate and academic research, and preclinical translational drug discovery and development.

In her new role as president and CEO of the E.O. Wilson Biodiversity Foundation, Ehrlich will use her diverse scientific expertise and leadership skills to guide the foundation's efforts to promote worldwide understanding and preservation of the Earth's biological heritage. Despite the daunting task at hand—the widespread destruction of fragile ecosystems, the alarming and accelerating loss of plant and animal species—Ehrlich says she is eager to forge multi-stakeholder collaborations and educational projects “that improve our global understanding of the nature and diversity of all of life on Earth and why it must be conserved.”

One of the foundation's primary educational tools is *E.O. Wilson's Life on Earth*, an interactive digital textbook designed for high-school students. The forty-one chapter, multimedia resource makes introductory biology come alive, from the micro



**Earth in the balance:** E.O. Wilson Foundation president and CEO Ehrlich will promote worldwide understanding and preservation of planet's biological heritage.

Jon Gardiner

(a 3D exploration of the inside of a cell) to the macro (changing landscapes and animal migration patterns over time). Morgan Ryan '82 is the *Life on Earth* project director.

Many of the textbook's lessons draw from and document the ongoing work the Carr Foundation is doing in Mozambique's Gorongosa National Park to restore and protect ecosystems that were devastated during the country's protracted civil war. A lesson on the succession of grasslands into forest, for example, is delivered by the park's chief scientist. And Edward O. Wilson—biologist, researcher, naturalist, and Pulitzer Prize-winning author—delivers lessons on evolution and ecology from the savannah where humanity emerged.

While a portion of high-school students who become immersed in *Life on Earth* will go on to become tomorrow's leading conservationists, biochemists, and environmental policymakers, Ehrlich says that the

foundation's broader mission is to make every citizen an informed and careful steward of our natural surroundings.

“We want to help people understand biology and science in a way that changes how they live their lives,” she says. “We want that understanding to be part of our cultural DNA.”

Assistant U.S. attorneys **Richard Tarlowe '97** and **Reed Brodsky '91** successfully prosecuted one of the most significant insider-trading trials in history.

Rajat Gupta, former global chairman of McKinsey & Company and member of the board of directors of Goldman Sachs and Procter & Gamble, was found guilty of providing inside information he learned as a board member of Goldman Sachs to his friend and business partner, Raj Rajaratnam, who ran a multi-billion-dollar hedge fund and placed stock trades based on information Gupta provided.



**Meet the prosecution:** Tarlowe, left, and Brodsky outside the federal courthouse in Manhattan

Tarlowe and Brodsky, working on behalf of the U.S. Attorney's Office in New York, were the sole members of the prosecution. Goldman Sachs and Procter & Gamble covered the nearly \$30 million spent on Gupta's legal defense, which was headed by U.S. litigator Gary Naftalis, who had successfully represented Salomon Brothers and

Kidder Peabody in high-profile securities cases. It took the Gupta jury less than a day to return a guilty verdict on four of the six counts of insider trading.

**Aslaug Magnusdottir LL.M. '98**

has been named one of *Fast Company* magazine's “100 Most Creative People in Business” for 2012. She is cofounder and CEO of Moda Operandi, which lets customers pre-order luxury clothes and accessories directly from leading designers. Magnusdottir and partner Lauren Santo Domingo, a contributing editor for *Vogue*, attend runway shows and industry showrooms and post photos and videos to modaoperandi.com. Customers then have a short window of time, usually less than a week, to order from online trunk shows—including exclusive pieces that will not be mass-produced for department stores.

More than 250 designers have signed on; the average purchase is \$1,400. Magnusdottir and Santo Domingo raised \$36 million in venture capital to launch their company, including backing from RRE Ventures, IMG, and LVMH Moët Hennessy Louis Vuitton.



## Board of Directors, 2012-13

President: **Jeffrey C. Howard '76**  
Secretary-Treasurer: **Sterly L. Wilder '83**

### Vice Presidents:

**D. Michael Bennett '77, Julie Borger Ferguson '81, Roseann Visconti Hassey '83, N. Shepard Moyle '84, Carmichael Roberts Jr. '90, Ph.D. '95, Lee H. Roberts '90, Suzanne M. Rose '94, Kathleen Kaylor Wagoner '77**

*Duke Magazine* Editorial Advisory Board representative:  
**Sarah Hardesty Bray '72**

### Directors-at-large:

**Betsy Alden '64, Jack W. Boyd '85, Christopher Brandt '00, Sharon Stephens Brehm '67, Ph.D. '73, Mandeep Singh Dillon '92, Palmer Peebles Garson '79, Cecelia Gassner '94, Nikki Hurst Gibson '80, Jason Goode '97, J.D. '00, Winston Henderson '90, J.D. '96, Edwin Howard Jr. '63, C. Howard Nye '84, Joanne M. O'Connor '92, Rodney C. Pitts '68, Kimberly Dawn Reed '86, Pamela Stone Scheerer '73, Mark E. Stalneckner '73, Paul Teller '93, John Tolmsa '95, Wendy Tsai '92**

### Professional school representatives:

**Carmichael Roberts Jr. '90, Ph.D. '95,** Graduate School of Arts and Sciences  
**Wyman Fraser Davis '87, M.Div. '95,** Divinity School  
**Robin Ten Kate M.B.A. '03,** Fuqua School of Business  
**Charles F. Finley Jr. M.F. '67,** Nicholas School of the Environment  
**Ershela Sims B.S.E. '93,** Pratt School of Engineering  
**Amy Hepburn '97, M.P.P. '01,** Sanford School of Public Policy  
**John A. Howell '72, J.D. '75,** School of Law  
**Diana Bures McNeill '78, M.D. '82,** School of Medicine  
**Kathleen Viall Gallagher B.S.N. '75,** School of Nursing  
**Judith Ann Maness M.H.A. '83,** Graduate Program in Health Administration  
**Allen William Wicken M.S. '74,** Graduate Program in Physical Therapy

### Young alumni representatives:

**Connie T. Chai '10, Kathryn Laidlaw '04, James Pineda '05, M.B.A. '11, Danielle Horvitz Weiner '04**

### Faculty representative:

**Michelle Connolly,** Associate Professor of the Practice of Economics  
**Alexander Hartemink '94,** Associate Professor of Computer Science, Statistical Science, and Biology

### Student representative:

**William Hunt G '15**  
President, Graduate and Professional Student Council

### Honorary members:

**William E. King '61, A.M. '63, Ph.D. '70, Michael Schoenfeld '84, Suzanne J. Wasiolek '76, M.H.A. '78, LL.M. '93, Gerald L. Wilson B.D. '61, A.M. '68**

### Presidents, School and College Alumni Associations

**David C. Hockett M.Div. '94, Th.M. '99,** Divinity School  
**Lynne S. Kaye M.B.A. '82,** Fuqua School of Business  
**Leslie Pearlman Jamka M.E.M. '99,** Nicholas School of the Environment  
**J. Michael Drozd '89, Ph.D. '97** Pratt School of Engineering  
**John S. DeGroot J.D. '90,** School of Law  
**Dale R. Shaw '69, M.D. '73,** School of Medicine  
**Joan M. Stanley B.S.N. '71,** School of Nursing  
**Judith Ann Maness M.H.A. '83,** Graduate Program in Health Administration  
**Allen William Wicken M.S. '74,** Graduate Program in Physical Therapy

**Duke**  
ALUMNI ASSOCIATION

# ClassNotes

## Want to be featured in Class Notes?

Check out [www.dukemagazine.duke.edu](http://www.dukemagazine.duke.edu) for style tips and submission guidelines, or e-mail us at [dukemag@duke.edu](mailto:dukemag@duke.edu).

## 1940s

**William P. Wilson '43, M.D. '47** received an honorary doctorate of divinity from the Carolina Graduate School of Divinity in May. The school's chair of pastoral care and counseling was named for him upon his retirement after 16 years of teaching. Wilson is a professor emeritus of psychiatry at Duke University Medical Center.

## 1950s

**Charles C. Levergood Jr. '53** published *Weevil*, a fictionalized account of a Duke student who spends the summer of 1952 working on an oil rig.

## 1960s

**John M. Keith Jr. '60** published *Canebrake Beach: A Novella and Four Short Stories*, a collection of fiction that explores interracial relationships in the South during the Jim Crow era and beyond.

**O. Whitefield Broome Jr. '62** was named 2012 Outstanding Member of the Year by the Virginia Society of Certified Public Accountants (VSCPA). Broome is Kaulback Professor Emeritus of commerce and professor of law at the University of Virginia and has served on its faculty since 1967. He has served on the Virginia Board of Accountancy, the Board of Examiners of the American Institute of Certified Public Accountants, the National Association of State Boards of Accountancy, and the CPA Examination Review Board. He previously received the Z. Society Distinguished Faculty Award at the University of Virginia and VSCPA's Outstanding Faculty Award.

## '63 50th Reunion April 12-14, 2013

**Stephen B. Coleman Jr. '63** published *The Navigator: A Perilous Passage, Evasion at Sea* after his retirement from real-estate brokerage. Coleman holds a Coast Guard master's license.

**Arthur Marvin Quattlebaum '63** was recognized for his outstanding legal services by the 2012 *Chambers USA Guide*. Quattlebaum practices real-estate law in Greenville, S.C.

**Ron L. Seckinger '63** is founder and editor of Spymaniac.com, an online guide to spy films. The site rates more than 500 films and includes articles, resources, quizzes, and other materials related to movies about espionage. Seckinger served as an analyst and senior executive at the CIA for 23 years and subsequently has worked as a consultant for the Department of Homeland Security and the FBI.

**Philip Lader '66** received the 2011-12 Distinguished Alumni Award from the political science department. Lader was the U.S. ambassador to the United Kingdom from 1997 to 2001, served in President Clinton's cabinet, and was previously the White House deputy chief of staff. He is currently the non-executive chairman of the WPP Group and a senior adviser to Morgan Stanley.

**Arthur J. "Randy" Ranson III '66** was included in *Florida Trend* magazine's Legal Elite for 2012. Ranson practices commercial and civil litigation in the Orlando, Fla., office of Shuffield Lowman.

**Craig Scott Miller '67** was recognized by 2012 *Chambers USA Guide* as a leading real-estate lawyer in Ohio. He is the chair of the public law group at Ulmer & Berne in Cleveland.

**Pamela N. Odell Price '67** was recognized in *Florida Trend* magazine's Legal Elite for 2012 and was named in *Florida Super Lawyers 2012*. Price focuses on wills, trusts, and estates for GrayRobinson in Orlando, Fla.

## '68 45th Reunion April 12-14, 2013

**Patrick D. Coleman '68** was named in *Florida Super Lawyers 2012* and recognized by 2012 *Chambers USA Guide*. Coleman is a defense attorney in employment and litigation in the Jacksonville, Fla., offices of GrayRobinson.

**John A. Moffett Jr. '68** retired as a holding company president after more than 35 years in the pharmaceutical and biotechnology industries. He is now a biotechnology consultant.

**Joseph H. Jarboe B.S.C.E. '69** was elected president of the Associated General Contractors of America in March. AGC represents 30,000 firms and is involved in all aspects of the construction business, helping to set industry standards and policies.

## 1970s

**Larry Lawton J.D. '70** completed a mission with The Church of Jesus Christ of Latter-day Saints in Hong Kong. Lawton served as associate area legal counsel in the Asia area administrative office, assisting with real-estate issues for new church buildings, acquiring visas, and preparing agreements for humanitarian projects throughout Asia.

**Thomas William Scrivner '70, M.A.T. '72** was named in 2012 *Chambers USA Guide* for his achievements in employment law. Scrivner is a partner in the Milwaukee office of Michael Best & Friedrich.

## Read Class Notes online!

Go to [dukemagazine.duke.edu](http://dukemagazine.duke.edu) to connect with your classmates and share your good news.

**Christopher M. Dawson** '71 published *We the People, Servants of Deception: Reconsidering Social Reality*. The book provides social commentary challenging conventional views of American democracy.

**Cym H. Lowell** J.D. '72 recently joined McDermott Will & Emery in the firm's Houston and Dallas offices. Lowell brings his transfer pricing and international taxation practice with him.

### '73 40th Reunion April 12-14, 2013

**Robert D. Peltz** '73 was reappointed chairman of the Maritime Law Association's cruise line and passenger ship committee for the third straight term.

**Glenn R. Reichardt** '73 was named in *Washington, D.C., Super Lawyers 2012* in the field of securities litigation. He is a partner in the Washington office of K&L Gates.

**Jon A. Sanford** '74 published his first book, *Design for the Ages: Universal Design as a Rehabilitation Strategy*. It emphasizes how Universal Design can promote inclusivity and social equity.

**Braxton DeGarmo** '75 published his first novel, *The Militant Genome*, a medical thriller.

**Cecil James Holliman** '75 was elected president of the International Federation for Emergency Medicine. He also received the James D. Mills Award for Outstanding Contribution to Emergency Medicine from the American College of Emergency Physicians.

**Allan R. Kelley** '77 was recognized in *Florida Super Lawyers 2012* for his work in transportation and maritime law with Fowler White Burnett in Miami.

**C. Allen Parker** '77 was promoted to presiding partner at Cravath, Swaine & Moore in New York. Parker specializes in finance and banking and previously served on the board of trustees at Duke.

**Thomas P. Rosicki** '77 founded Sparkling Pointe Winery on the North Fork of Long Island, N.Y., in 2002. The winery's Brut Seduction '02 and Blanc de Noir '08 both were awarded 90 points by *Wine Enthusiast* magazine. He also manages a law firm with his wife, Cynthia.

### '78 35th Reunion April 12-14, 2013

**Beverly Anne Foster** '78 was named chair of Mecklenburg County's domestic violence advisory board and volunteers with Mecklenburg Ministries.

**Elizabeth Pryor Johnson** '79 was recognized in *Florida Super Lawyers 2012* for her work in employment and labor law at Fowler White Burnett in Miami.

**Derrick B. Mashore** '79 joined Jones Lang LaSalle as managing director of the global commercial real-estate services company's mid-Atlantic tenant representation team. Moore previously founded Concordis Advisors, a commercial-real-estate-services company.

**Barry Rossman** '79 has been named in *Best Doctors in America* in urology for the 10th straight year. He is president of Urology Group of Princeton and medical director of the New Jersey Kidney Stone Center. He is also on the editorial staff of *The Urology Times*.

## 1980s

**G. William Brown Jr.** J.D. '80 was part of a team to receive an investment of \$50.4 million from the Shaw Group for the company NET Power, of which Brown is CEO. The investment will go toward developing and demonstrating the company's low-cost, emissions-free thermodynamic energy technology using a 25-megawatt system. Brown is a law professor at Duke.



## Leave a Legacy

Throughout Duke's history, the generosity of alumni, parents, and friends has shaped the university we know today. Your gift to Duke through a bequest intention can help build tomorrow's Duke.

A bequest intention can help advance new models of education and provide Duke's talented students, faculty, and medical practitioners new opportunities to make a meaningful difference for the world.

Your bequest can create a lasting legacy through support of scholarships, world-class teaching, and life-changing research. Let us help you define your legacy.

### DUKE UNIVERSITY GIFT PLANNING

#### Duke University Office of Gift Planning

Box 90600, Durham, NC 27708

Phone (919) 681-0464

Email [gift.planning@dev.duke.edu](mailto:gift.planning@dev.duke.edu)

Explore gift plans at [giving.duke.edu/giftplanning](http://giving.duke.edu/giftplanning)

## DAA AWARDS

### CHARLES A. DUKES AWARDS

Established in 1982, the award is named after the first director of the Duke Alumni Association, who built his reputation on his volunteer leadership. This year's winners are:



Ann Pelham '74; Lewis Frederick Sutherland '73 and Barbara Hoover Sutherland '75; Ruth Wade Ross '68; Mary H. Dawson '53; Jerry C. Wilkinson B.S.E. '67; and Duke parents Bill and Kristi Geary.

### FOREVER DUKE AWARDS

The Forever Duke Award was established in 2009 to recognize alumni who go above and beyond "the call of duty" in service to Duke. This year's winners are:

Meredith W. Allin B.S.E. '05; Tricia D. McKitty '92, J.D./LL.M. '95; Tiffany Montgomery Bishop '98; Julie E. Ehlers '85; Stephen K. Breckenridge '83; Jonathan P. Cardona M.B.A. '00; Newton C. Taylor LL.B. '60; Rosie Canizares '04, D.P.T. '07; Thomas Brodsky '73; Nancy Mattwell Hegarty '83; Paul W. Kim '97; Gisela Rose-Shortridge '76; William E. Hunt '84; Paul M. Honigberg '77; Kenneth M. Myers '70; Alyssa Fanelli Benza B.S.E. '02; Ellen Bers Johnson '68; Joanne Robertson '85, M.B.A. '87; C. Donald Shlimbaum '70; Sheree Cooper Levy '89; and Jimmy K. Grewal '99.

## Alma Mater Ally

Bovender selected for Distinguished Alumni Award.

Jack Bovender '67, M.H.A. '69 grew up in King, North Carolina, a small rural town near Winston-Salem "where everybody was like everybody else." When he arrived at Duke in the fall of 1963, Bovender was in for a culture shock. He encountered people who had attended prestigious private schools, courses that opened his eyes to the arts and humanities, and classmates from a wide variety of backgrounds and experiences, including Northerners, "who didn't sound like I did."

It was a turning point in Bovender's life. He embraced the array of opportunities available to him, joining a fraternity and majoring in psychology, which led to a student job in the psychiatric unit of Duke Hospital. By the time he graduated, Bovender says, "I learned what a true liberal-arts education meant. I hadn't just been prepared for a vocation; I saw the world in a very different way than when I entered."



Bovender: Grateful for Duke's influence.

After graduating, he earned a graduate degree in hospital administration and married Barbara Tuttle, a nurse he'd known since grammar school. A stint as a lieutenant with the U.S. Navy was followed by a successful career in the health-care industry. Most of his career was spent with the Nashville-based Hospital Corporation of America (HCA), one of the largest private providers of health-care services. He retired in 2009 as its chairman and CEO.

Along the way, Bovender never stopped repaying Duke for the opportunities it afforded him and his family (son Richard earned an

M.B.A. from the Fuqua School of Business in 2008). He has served on both the Fuqua and divinity school boards of visitors and the executive committee of the Duke Annual Fund and has been a member of Duke's board of trustees since 2007.

The Bovenders have been generous financial supporters of Duke as well. They've made a \$25 million bequest to support Fuqua, Trinity College of Arts & Sciences, and the School of Nursing. During the Financial Aid Initiative, they

**"I learned what a true liberal-arts education meant. I hadn't just been prepared for a vocation; I saw the world in a very different way than when I entered."**

gave \$1 million to Fuqua to establish a scholarship program for minority students in the school's Health Sector Management program. Most recently, they established a \$1 million scholarship to encourage Duke's diversity efforts, given in honor of five of Bovender's 1967 classmates who were the first undergraduates to integrate the university.

As part of Founders' Day, Bovender will receive the Distinguished Alumni Award, the highest honor bestowed by the Duke Alumni Association. With his trademark humility and grace, Bovender says that "I'm sure my fraternity brothers will be amazed this happened to me, and if I look at my undergraduate transcripts, I'm amazed, too. But it's a great honor. I'm very humbled and obviously very honored. I'm sure there are people who deserve this a lot more than I do, but none that appreciates it more than I do."

—Bridget Booher

**Douglas A. Jacoby** '80 published a new book, *A Quick Overview of the Bible*.

**Bruce Ruzinsky** '80, J.D. '83 was named in *2012 Chambers USA Guide*. Ruzinsky was ranked for his work in bankruptcy and restructuring at Jackson Walker in Texas.

**David H. Nikkel** '81 received the 2012 UNC Board of Governors' Award for Teaching Excellence. He is an associate professor of religion and chair of the department of philosophy and religion at UNC-Pembroke. The award is the highest given by the UNC system and comes with a stipend and bronze medallion.

**Rita A. Sheffey** Ph.D. '82 was re-elected to serve on the executive committee of the State Bar of Georgia. Sheffey, a partner at Hunton & Williams in Atlanta, focuses on environmental, patent and trademark infringement, and product liability litigation.

**Mary Kathryn Swann-Trainor** '82 published two novels in a trilogy: *Cerulean Wreake* and *Cerulean Sunrise*.

**'83 30th Reunion** April 12-14, 2013

**Edwin J. Brassel** '83 was promoted to senior vice president of marketing at DIRECTV in Los Angeles.

**Gregg A. Harris** '83 founded TEMP Expertise in Tualatin, Ore. The new consultancy focuses on emerging medical technology and early-stage businesses and offers market analysis, tradeshow strategy, and Web design, as well as support for preclinical and clinical studies, product testing and positioning, and staff and customer training.

**Philip M. Ebinger** '84 was named an executive vice president of the Atlanta Hawks. Ebinger has been with the men's basketball organization since 2004 and previously served as senior vice president and CFO.

**Thomas Scott Wilkinson** '85, J.D. '88 was named an executive vice president of the Atlanta Hawks men's basketball organization. Wilkinson previously served as senior vice president, chief legal officer, and assistant general manager. He will continue to manage all legal matters for the team.

**Paul Whitlock Cobb Jr.** '87 joined Pacific Architects & Engineers in Arlington, Va., as senior vice president and general counsel.

**Robin Green Harris** '87, J.D. '93 was named executive director of the Council of Ivy League Presidents. Harris previously served as senior counsel and co-chair of Ice Miller's collegiate sports practice and as the associate chief of staff for Division I at the NCAA national office.

**Jeffrey A. Levitt** '87 was named CEO of Stonebridge Capital in New Jersey.

## ROOMMATES REUNITED

Michael Kates '80 and William Cohan '81



Courtesy: Michael Kates

Unforgettable: Kates, left, and Cohan at the summit of Kala Patthar.

Last October, **Michael Kates '80** called **William Cohan '81** with a tempting offer. Kates had found a great deal with a tour-company expedition to Mount Everest's south base camp in Nepal. Was Cohan in?

Although the Duke roommates had traveled together throughout Europe after Kates' graduation and stayed in regular touch during the three decades since, their lives had taken them in different directions. Kates became a radiologist in Philadelphia; Cohan went into investment banking and then became an author and journalist in New York. Yet the prospect of reconnecting with each other for a once-in-a-lifetime journey to the world's highest mountain eclipsed any initial fear and trepidation.

Still, both were well aware of the risks involved. Crippling blisters. Altitude sickness. Death. (Cohan had been on a National Outdoor Leadership School trip in Washington State led by Scott Fischer, the American climber and guide who died descending the summit of Mount Everest in 1996.)

As it turned out, both Kates and Cohan were up to the challenge and made it to Everest base camp, at nearly 17,600 feet, without incident. The next day, they went even higher: to the summit of Kala Patthar at 18,400 feet, which provided a stunning view of Everest's peak. During the three-week trek, they stopped at Buddhist shrines and monasteries, primitive tea houses heated by burning yak dung, and memorials to hikers who had died on Everest—including that of Fischer, whose body remains on the mountain.

Both men say the trip profoundly changed them. "Even pictures don't communicate how extraordinary the experience was," says Cohan. "It was physically and emotionally demanding but also spiritually and culturally fascinating. And sharing it with my Duke roommate made it even more special."

—Bridget Booher

# Collecting Matisse and Modern Masters

## THE CONE SISTERS OF BALTIMORE

November 4, 2012 – February 10, 2013



LEFT: Henri Matisse, *Striped Robe, Fruit, and Anemones*, 1940. Oil on canvas, 21 1/2 x 25 1/2 inches. (54.3 x 64.8 cm) BMA 1950.263 ©2011 Succession H. Matisse/Artists Rights Society (ARS), New York.

“...a fascinating look at the Cones’ evolving relationships with Picasso and Matisse...”

– *The New York Times*

Ticket pre-sales begin September 24<sup>th</sup> at 919-684-5135, or [nasher.duke.edu](http://nasher.duke.edu)  
*Nasher Museum Members receive two free Matisse tickets per day.*



Lead corporate support is provided by Wells Fargo.  
Lead foundation support is provided by the Crow Creek Foundation.

**Joel Norwood '87** was elected to serve as the chairman of the South Carolina Real Estate Appraisers Board.

**'88 25th Reunion** April 12-14, 2013

**Edward Kelly '88** was named regional counsel (Asia) for Nike Inc. in Hong Kong. He previously led the intellectual-property practice at two of Thailand's largest law firms, Siam Premier and Tilleke & Gibbins, and founded a leading private commercial investigation firm, LGP Asia, active throughout Southeast Asia. He will continue to serve on the expert advisory board of SISHA USA, a charitable foundation he cofounded, focusing on anti-human trafficking in Asia. For his work in this field, the Boston University School of Law conferred upon him the Victor J. Garo Award for Public and Humanitarian Service in 2009.

**1990s**

**Troy Fiesinger '91** was named president of the Texas Academy of Family Physicians and will represent Texas family physicians during the 2013 legislative session. He serves on the faculty of the Memorial Family Medicine residency program in Sugar Land, Texas.

**John H. Goselin II '91** joined Duane Morris in Atlanta as a financial-services litigation partner in the law firm's trial practice group.

**David Sager J.D. '91** joined Lowenstein Sandler in Roseland, N.J., as a partner. He is known for his work in franchising and distribution law.

**Lisa Klink '92** published her first novel, *The Dead Man: Slaves to Evil*.

**Elizabeth Anne Weiss '92** created and runs the ABCFamily TV show *Switched at Birth*.

**'93 20th Reunion** April 12-14, 2013

**Debra M. Parisi B.S.E. '93** was listed as a New York Super Doctor in *The New York Times Magazine*

for the fourth year in a row. She is an orthopedic surgeon at Beth Israel Medical Center in New York.

**Stacie I. Strong J.D. '94** was selected as the 2012-13 Supreme Court Fellow assigned to the Federal Judicial Center. Strong is an associate professor of law at the University of Missouri School of Law.

**Justin Brett Busby '95** was appointed a Justice of the Texas Court of Appeals, 14th District, in



Courtesy of Gilt Groupe

**'95**

**Tyler R. Thoreson '95** was promoted to vice president of editorial, creative, and customer experience at Gilt Groupe/Park & Bond in New York. Previously, Thoreson was the executive editor of Men.Style.com, formerly the online home of *GQ* and *Details*.

**D**  
**IRON DUKES**  
Building Champions

*Support Duke student-athletes by becoming a member of the Iron Dukes.*

*Memberships start at \$100 and include a number of great benefits, such as priority seating and parking, invitations to special Iron Dukes events, and a subscription to Go Duke the Magazine.*

The Iron Dukes  
116 Cameron Indoor Stadium  
Box 90542  
Durham, NC 27708-0542  
(919) 613-7575  
[IronDukes.net](http://IronDukes.net)

Left: Gilda Doria, Women's Soccer, Class of 2014  
Right: Andre Dawkins, Men's Basketball, Class of 2013

Follow us at [facebook.com/theirondukes](http://facebook.com/theirondukes)
 Follow us at [twitter.com/theirondukes](http://twitter.com/theirondukes)
 Find us on LinkedIn

Houston. He will stand for election to a full six-year term in November 2012. Busby, an experienced appellate litigator who clerked at the U.S. Supreme Court, was previously a partner at Bracewell & Giuliani. He also served as an adjunct professor at the University of Texas Law School, where he co-taught the U.S. Supreme Court litigation clinic.

**Kevin Fitzgerald** M.B.A. '95 was promoted to vice president of sales for the midmarket at PROS in Houston.

**Andrew M. Frankenberger** '95 won the pot-limit at the Hold 'Em tournament at the World Series of Poker.

**Adam J. Eisenberg** '97 was named head of UK Investment Advisory at Barclays.

**William L. Granville III** '97 was elected to the board of directors of the National Association of Insurance and Financial Advisors. Granville played professional football for the Cincinnati Bengals before beginning his career in financial service with Northwestern Mutual, later forming Granville Financial Group in 2010.

**Heather A. Okvat** '97 received a Ph.D. in psychology from Arizona State University in 2012 and is a postdoctoral fellow in behavioral medicine at the VA Boston Healthcare System.

#### '98 20th Reunion April 12-14, 2013

**Gregory Lakin** '98 became an assistant professor of plastic surgery at Case Western Reserve University School of Medicine. He also is the head of the craniofacial program at Rainbow Babies & Children's Hospital in Cleveland. He completed his craniofacial surgery fellowship at UCLA.

**Junko Takeda** '98 received the Daniel Patrick Moynihan Award from the Maxwell School of Syracuse University for her research, teaching, and service. Takeda is a French historian.

**Monique N. Moultrie** '99 was named an assistant professor of religious studies at Georgia State University. Her research explores sexual ethics, religion, and race.

#### MARRIAGES & COMMITMENTS

**Caroline Blitzler** '93 to Craig Phillips on May 19, 2012. Residence: New York...**Debra M.**

**Parisi** B.S.E. '93 to Douglas Han on June 28, 2011. Residence: Cold Spring, N.Y....**Mary Elizabeth Burke** '98 to Kannan Sankaran on Feb. 25, 2012. Residence: Washington, D.C.

#### BIRTHS & ADOPTIONS

Twins, Bryce Skylar and Camden Chase, to **Debra Daumit Klingsberg** '92 and Jordan L. Klingsberg on May 24, 2012...Evelyn Kay to **Scott H. Kollins** '92 and **Katharine White Kollins** M.B.A. '09, M.E.M. '09 on July 3, 2012...Jackson Jin-Soo Han to **Debra M. Parisi** B.S.E. '93 and Douglas Han on March 29, 2012...Benjamin Karam to **Suvarna "Sona" Gupta Wuchenich** '94 and Jeffrey Wuchenich on Dec. 15, 2011...Colbie Anne to **Brooke H. Beacham** B.S.E. '95 and Jenny Beacham on July 1, 2012...Lillian May to **Caroline Nasrallah Belk** '95, J.D. '04 and Robert C. Belk on Feb. 2, 2012...Dashiell Pierce Denzer-Sturgeon to **Alyssa J. Denzer** '95 and David M. Sturgeon on July 24, 2012...Mackenzie Corinne Frost to **Jeanette**

## MEET KRISTINE YOUNG THE NEW FACE OF BUSINESS AND THE ENVIRONMENT



As a sustainability manager at **OCEAN SPRAY**, Kristine Young MEM'09 looks for ways to make cranberry products using less water and less energy. It's good for the environment and good for the bottom line.

She brings key skills in land management and life cycle analysis to the job. Where did she learn these skills?

**THE NICHOLAS SCHOOL OF THE ENVIRONMENT AT DUKE.**

**Duke**   
NICHOLAS SCHOOL OF THE  
ENVIRONMENT  
forging a sustainable future

FIND OUT MORE



nicholas.duke.edu/  
alumni/young

## Read Class Notes online!

Go to [dukemagazine.duke.edu](http://dukemagazine.duke.edu) to connect with your classmates and share your good news.

**McCracken '95** and Jamie Frost on Nov. 16, 2011...Brandon Starr to **Jamie Smith RoA '95** and Julian RoA on Oct. 2, 2011...Charlie James to **Mary Poole Clinch '96** and Jed Clinch on June 12, 2012...Nicholas Nathan to **Adam Eisenberg '97** and Agnieszka Eisenberg on May 23, 2011...Twins, Brayden Peter and Keegan John, to **Michael T. McCormack '97** and Elizabeth E. McCormack on June 2, 2012...Shreyas Cole Batra to **Kelly Evans '98** and Maneesh Batra on June 1, 2012...Caroline Eve to **Robert J. Gallagher Jr. '98**, J.D. '04 and **Lauren F. McLoughlin Gallagher '98** on May 1, 2012...Dylan Elijah to **Eric M. Givner '98** and Laura Givner on May 29, 2012...Olivia Gabrielle to **Daniel E. Kaufman '98** and **Julia Easton Kaufman '98** on June 11, 2012...Charlotte Avery to **Jonathan A. Feifs B.S.E. '99** and Stephanie L. Feifs on June 18, 2012...Alyssa Claire Miller to **Joseph A. Miller '99** and Lisa Kelley on May 2, 2012.

## 2000s

**Kerry Reichs M.P.P. '00**, J.D. '00 published her third novel, *What You Wish For*, a story of five families at a crossroads, each following a different path to happiness.

**Randy J. Garcia '01** was named the assistant director of alumni giving at Duke. He retired as an Army commander after 23 years of service.

**Melissa Groisman Steinfeld '01** was invited by the Colombian government to present the requirements of the U.S.-Colombia Trade Promotion Agreement. She will help advise manufacturers on how to meet the necessary requirements to enter the U.S. market. Steinfeld is a lawyer in the Miami office of GrayRobinson.

**Meredith Watson '01** was named the major gifts officer for the National Aquarium in Baltimore.

### '03 5th Reunion April 12-14, 2013

**Michael P. Barham '03** received a doctor of ministry from Church Divinity School of the Pacific in May. He is an associate rector at The Parish of St. Clement, an Episcopal church in Honolulu.

**Sarah N. Peden '03** joined Hennepin County Medical Center in Minneapolis and Pediatric Consultation Specialists in Plymouth, Minn., as a licensed psychologist. She received her Ph.D. in

clinical psychology from Auburn University in December 2010.

**Douglas Ross '03** joined Cleantech Law Partners as head of the firm's biogas practice group. He will remain in Washington, while continuing to work with renewable-energy project developers and investors across the country.

**Vincent Asaro '04**, J.D. '09, LL.M. '12 was named managing director of Rock Creek Capital in New York.

**Sabrina Beth Magid '04** was named in the 40 Under 40 class of rising stars by the Business Council of Westchester. She practices "whole body dentistry" as a partner at Advanced Dentistry of Westchester.

**Anne B. Walker '04** published a romance novel, *The Booby Trap*, about a fictional Harvard Ph.D. candidate, Bambi Benson.

**J. Whitney Hazel Gerling '05** received a J.D. from George Mason University in 2012, complementing her M.S. in health systems administration from Georgetown University in 2007. She founded Peace for Patients, an advocacy organization that addresses the complex needs of families with a child facing terminal illness.

**Brian Greene '05** is the founder and president of Blue Greene, a private online job-referral community that is free for former college athletes from top academic institutions. Former athletes can review open job opportunities with the firm's partnering companies. Blue Greene has assisted former athletes from institutions such as Duke, Harvard, and Yale.

**Alexander A. Perez '05** is running the 2012 New York City Marathon to raise funds for Parkinson's research.

**Jennifer L. Woodruff Tait '05** received the Saddlebag Selection Award from the United Methodist Church for her book *The Poisoned Chalice*. The award recognizes the best book on the church's history, theology, or polity.

**Jessica B. West '05** was named an associate at Smith, Anderson, Blount, Dorsett, Mitchell & Jernigan in Raleigh, where she focuses on public and private company financing and private equity.

**Marc L. Roark LL.M. '06** was named an associate professor and director of the office of academic achievement at the new Savannah Law School in Savannah, Ga. He previously taught at the University of La Verne, University of Missouri-Columbia, and University of Tulsa.

**Radha Krishna Sanka M.D. '06** joined the Eye Centers of Racine and Kenosha in Wisconsin. Sanka completed his ophthalmology residency at Emory University School of Medicine and a fellowship in cornea, external disease, and refractive surgery at the University of Illinois Eye and Ear Infirmary in Chicago.

### '08 5th Reunion April 12-14, 2013

**Brinton J.W. Markle '08** published a video of an Alaskan back-country skiing trip that was entered in a GoPro/Salamon/Mammut video competition.

**WHO MADE YOUR BED?**

The ultimate adjustable bed is **MADE IN VIRGINIA!**  
A remote controlled motor powers a strong aluminum frame. Select from various headboards and premium mattresses.  
Sizes: Twin, Full, Queen, Split Queen and King.  
Call 866.853.2337 for a brochure, or visit us online at [AssuredComfortBed.com](http://AssuredComfortBed.com)

**ASSURED COMFORT®**

Available at: GREEN FRONT Interiors & Rugs, LLC  
2004 Yonkers Rd. Raleigh 919.754.9754



**P. Michael McGroddy Jr.** B.S.E. '09, M.E.G.M. '10 was part of a team to receive an investment of \$50.4 million from the Shaw Group for the company NET Power. The investment will go toward developing and demonstrating the company's low-cost, emissions-free thermodynamic energy technology, using a 25-megawatt system.

**Katherine A. Sultenfuss** '09 received a J.D. from University of Virginia School of Law. She is now an associate at Trenam Kemker in Tampa, Fla.

**J. Robert Walker IV** J.D. '09 was part of a team to receive an investment of \$50.4 million from the Shaw Group for the company NET Power. The investment will go toward developing and demonstrating the company's low-cost, emissions-free thermodynamic energy technology, using a 25-megawatt system.

#### MARRIAGES & COMMITMENTS

**Christopher Brandt** '00 to Sarah Kortula on June 9, 2012. Residence: Baltimore...**Melissa Groisman** B.S.E. '01 to Benjamin Steinfeld on April 1, 2012. Residence: Aventura, Fla....**Susan Michelich** '01 to Joseph Peter on May 26, 2012. Residence: Washington....**Michele Keyerleber** '04 to Ryan Fitzgerald on June 30, 2012. Residence: Westborough, Mass....**Wesley Brooks** '05 to Megan Anderson on June 22, 2012. Residence: Monmouth Junction, N.J....**Jennifer Whitney Hazel Little** '05 to Brian J. Gerling on May 5, 2012. Residence: Potomac Falls, Va....**Matthew Ryan Emery** '07 to **Lauren Nicole Durr** M.Div. '11 on July 21, 2012. Residence: Winston-Salem....**Joseph Martin Eble**

M.D. '08 to Jennifer Lannon on May 19, 2012. Residence: Rochester, Minn....**Erin Elizabeth Dunnigan** H '09 to David W. Rowe on Sept. 3, 2011. Residence: Dallas...**Lauren Maisel** '09 to Paul Goldsmith on May 27, 2012. Residence: San Francisco...**Joel Ribnick** '09 to Tamar Pentelnik on May 20, 2012. Residence: St. Louis Park, Minn.

#### BIRTHS & ADOPTIONS

Miles Josephine Chaney Morvant to **Shannon K. Chaney** '00 and Russell Morvant on June 2, 2012...Peter Michael to **Nancy Kennedy Major** '00 and Samuel M. Major on June 29, 2012...John Harris to **Susan Schell Matter** '00 and Drew Matter on July 3, 2012...Hannah Avni to **Aliza Goldman Schneller** '00 and Matthew Schneller on July 6, 2012...Zoey Katherine Ray to **Alison E. Niebanck** '01, M.D. '05 and **Robin Ray** M.D. '05 on April 9, 2012...Coleman Robert to **Margaret Watson Carr** '02 and Adam Carr on May 21, 2012...Abigail Rose to **Harold M. Gutmann** '02 and **Laura DiGiovanni Gutmann** '02 on July 24, 2012...Patricio Krishna Mudunuri to **Alice "Kathy" Pazmino-Mudunuri** '02, M.B.A. '11 and **Shashi K. Mudunuri** '03, M.B.A. '11 on June 16, 2012...Lucy Meredith to **Dana Howle Sample** '02 and **Ryan G. Sample** '02 on May 31, 2012...Colin Francis to **Deirdre Fleming Shea** '03 and Frank Shea on Jan. 4, 2012...Shai to **Ari S. Medoff** '03 and Diana B. Medoff on April 14, 2011...Sotir Nicholas to **Keri-Ann O'Leary Tochka** '04 and Nicholas Tochka on April 4, 2012...Benjamin Oskar Udry to **Maud Alhanko** LL.M. '05 and Daniel Udry on July 16, 2012...James Andrew to **Amanda Earp Diekman** '05,

M.Div. '10 and **Brian Diekman** '05, M.Div. '10 on July 22, 2012...Virginia Gray to **Julianna Swanson Peacock** '05 and Ben Peacock on March 9, 2012...Elizabeth Beatrice to **Jennifer L. Woodruff Tait** Ph.D. '05 and **Edwin R. Woodruff Tait** A.M. '01, Ph.D. '05 on May 31, 2012...Rachel Ann to **Steven M. Frenk** A.M. '07, Ph.D. '11 and Rebecca Frenk on June 12, 2012...Lucile Virginia to **Lyle Cole Ross** M.B.A. '08 and Lizzie B. Ross on April 30, 2012...Evelyn Kay to **Katharine White Kollins** M.B.A. '09, M.E.M. '09 and **Scott H. Kollins** '92 on July 3, 2012.

## 2010s

**Megan Cattau** '10 received a Fulbright Scholarship to Indonesia, focusing on ecology.

**David A. Freed** B.S.E. '10 was part of a team to receive an investment of \$50.4 million from the Shaw Group for the company NET Power. The investment will go toward developing and demonstrating the company's low-cost, emissions-free thermodynamic energy technology, using a 25-megawatt system.

**Harold L. Mann** M.B.A. '12 was appointed to the University of Southern California's Board of Governors. He works for Delta Air Lines in Atlanta as a commercial strategy M.B.A. associate.

#### MARRIAGES & COMMITMENTS

**Lauren Nicole Durr** M.Div. '11 to **Matthew Ryan Emery** '07 on July 21, 2012. Residence: Winston-Salem...**Anthony Lawrence**

## A Tradition of Excellence

We are your place for officially licensed Duke merchandise.

With thousands of products to choose from, we offer the largest selection of everything Duke. Shop with us 24/7 via our online catalog and place your order securely anytime, day or night.

Browse our online catalog @  
**www.shopdukestores.duke.edu**

016 West Union Building | Box 90850  
Durham, NC 27708-0850

One Team. One Common Goal.  
To Provide Quality Service & Products to the Duke University Community.

Duke UNIVERSITY  
**STORES**  
Tradition & Innovation

**Sanderson** '11 to Kennedy Catton on Sept. 11, 2011. Residence: Seattle.

**BIRTHS & ADOPTIONS**

Elliot Nordgaard Danell to **Niklas E.G. Danell** M.B.A. '10 and Sara Nordgaard on April 11, 2011.

**INMEMORIAM**

**George W. Clark Jr.** B.S.M.E. '38 of Birmingham, Miss., on May 8, 2012. During World War II he was stationed with the Navy in the Philippines, where he repaired war-damaged aircraft. He retired in Detroit in 1980 after working with General Motors Overseas Operations for 42 years. He is survived by two sons, a daughter, six grandchildren, and three great-grandchildren.

**Robert M. Koger** '38 of Tarpon Springs, Fla., on March 22, 2012. A member of the Duke boxing team, he was a captain in the Marine Corps during World War II. He worked with his father in the food-brokerage business, eventually retiring from Koger & Cone. He dedicated more than 50 years of civic service to the Charleston Lions Club. He is survived by his wife, Ruth; two sons; three grandchildren; and a great-grandchild.

**Roberta Jean Longworth Gunckel** '39 of Bridgewater, N.J., on April 13, 2012. After graduating from Miami University of Ohio with a degree in elementary education, she taught first grade for 23 years in the Highland Park and Bridgewater-Raritan school districts in New Jersey. She is survived by a daughter, a son, two grandchildren, and four great-grandchildren.

**Mary Gene Boyle Brading** '40 of Pineville, N.C., on April 6, 2012. She was the former president of W.B. Boyle Co. and a real-estate broker. A member of Trinity United Methodist Church, she helped organize St. John United Methodist and Aldersgate churches. She served as president of the Gideons Women's Auxiliary, Duke's Woman's College Alumnae Association, and the League of Women Voters. She is survived by a son, **Stanley G. Brading Jr.** '75; a daughter; a brother; 13 grandchildren; and 17 great-grandchildren.

**Jean T. Gross MacLachlan** '41 of Bingham Farms, Mich., on Jan. 19, 2012. She was a member of Delta Delta Delta and the Chapel Choir while at Duke. Survivors include a nephew, **Robert D. Gross** '72.

**John Vennema Jr.** '41 of Kalispell, Mont., on April 19, 2012. He was an active member of Manito Presbyterian Church in Spokane, Wash., serving as an elder for many years. He and his wife moved to Holland, Mich., in 1989, where he belonged to Rotary. Later, he relocated to Montana. He is survived by three children, 10 grandchildren, and eight great-grandchildren.

**Murray F. Rose** B.S.M.E. '42 of Ashburn, Va., on March 15, 2012. A Marine Corps veteran, he fought in the Battle of Guadalcanal and was sent to Japan when World War II ended; later he participated in the Inchon landings in the Korean War. He had a 20-year career as a civil engineer with the Defense Supply Agency in Alexandria. He is survived by his wife, **Barbara Field Rose** '45; two daughters,

including **Patricia R. Guyette** '68; and a granddaughter.

**Frank R. Buonocore** '43, J.D. '48 of Torrington, Conn., on March 26, 2012. He was a gunnery officer aboard the destroyer USS *Ellis* during World War II and later began a private law practice in Torrington. After a stint as a prosecuting attorney, he finished his career in administration in the state court's criminal division, retiring in 1984. He was a communicant of St. Peter Church and had a long association with the YMCA. His retirement years were spent golfing and travelling. He is survived by two sons, a daughter, and five grandchildren.

**Robert W. Curry** B.S.M. '43, M.D. '43 of Safety Harbor, Fla., on April 2, 2012. He spent two years as a lieutenant and medical officer in the Army during World War II and founded a radiology group practice, Curry, Harding, George & Eliscu. He served as the president of the Orange County (Fla.) Medical Society, a delegate of the Florida Medical Association, and a diplomat of the American Board of Radiology. He was active in his local Methodist church. He is survived by four sons, including **R. Whit Curry Jr.** M.D. '71; eight grandchildren; and 10 great-grandchildren.

**Clyde C. Eskridge Jr.** '43 of Raleigh, on March 27, 2012. He served as a staff sergeant in the Army Air Corps and was a decorated gunner during World War II, flying 30 missions over Germany and France. He returned to his hometown of Shelby, N.C., where he worked with Dover Textile Group until his retirement. He served as treasurer of Central United Methodist Church and was a lifelong member of the Hoey Bible Class. He is survived by a daughter, a son, a brother, a sister, five grandchildren, and three great-grandchildren.

**Raymond C. Groll Jr.** '43 of Cape Coral, Fla., on July 4, 2010. He dedicated 27 years of his life to the New York Police Department and retired as a sergeant after serving in both the Harbor Precinct and the 23rd Precinct. He was a member of Beta Theta Pi at Duke and was a member of the Merchant Marine during World War II. He is survived by his wife, Beth, and a son.

**Helen Chapman Hill** '43 of Franklin, N.C., on June 17, 2011. She was an artist skilled in upholstery, ceramics, pottery, sculpting, cutting and faceting gemstones, weaving, stained-glass work, watercolor painting, and gardening. She was also a professional designer of women's and children's clothes for many years. She is survived by two sons, two grandchildren, and four great-grandchildren.

**Stephen R. Keister** '43 of Erie, Pa., on April 6, 2012. He practiced medicine in Erie from 1950 until his retirement in 1991, the first in that area to practice rheumatology. He was one of the founding members of the Pennsylvania Society of Internal Medicine, and he cofounded the Northwestern Pennsylvania Lupus Society and the Pennsylvania Arthritis Foundation. He was named Physician of the Year by the Arthritis Foundation in 1992. He is survived by a daughter, a son, two stepdaughters, a stepson, two grandchildren, and two great-grandchildren.

**William C. Kennedy** '43 of Mount Dora, Fla., on Feb. 13, 2012. He spent more than 20 years as a soldier, first as a Marine in World War II, and later as an Army officer. He was a ham radio operator.

*Durham's Favorite Destination*

**Washington Duke Inn & Golf Club**

3001 CAMERON BOULEVARD, DURHAM, NC 27705  
800.443.3853 919.490.0999 WASHINGTONDUKEINN.COM

Follow us on Facebook and Twitter

He is survived by three sons, six grandchildren, and seven great-grandchildren.

**William H. "Harry" Muller Jr.** M.D. '43 of Irvington, Va., on April 19, 2012. An Army veteran, he held a named professorship and was chair of the surgery department at the University of Virginia School of Medicine for 27 years. During this time, he chaired the committee to build the new University Hospital, which was dedicated in 1989. He was named one of the 10 Outstanding Young Men of the United States by the Junior Chamber of Commerce in 1952. He received many other awards, including awards from Tulane University, the McCallie School, and the University of Virginia, as well as Duke's Distinguished Alumnus Award. A member of the Society of Scholars of the Johns Hopkins University, he received honorary degrees from The Citadel and The Medical University of South Carolina. He lectured widely in the U.S. and abroad, served numerous visiting professorships, and wrote more than 160 scientific papers, book chapters, and books. He was the first surgeon to replace a diseased aortic valve with a prosthetic one, and he developed the pulmonary artery banding procedure for infants and children with certain types of congenital heart disease. For 13 years, he was on the Duke board of trustees and its executive committee. He is survived by his wife of 66 years, Hildwin; two sons; a daughter; nine grandchildren; and four great-grandchildren.

**George N. Beer** B.S.M.E. '44 of Brighton, N.Y., on April 8, 2012. He served during World War II as a lieutenant in the Navy, after which he worked in Rochester as an industrial engineer. He was an avid skier, sailor, and woodcarver. He is survived by his wife, Mary Lee; two daughters; a brother; eight grandchildren; and two great-grandsons.

**Eunice F. Minner Keim** '44 of Lancaster, Pa., on April 13, 2012. A teacher at Catasauqua High School in Pennsylvania's Lehigh Valley, she was president of Trinity Lutheran Church's council, as well as of the Camp Hill Women's Club. She is survived by a daughter, a son, a brother, seven grandchildren, and two great-grandchildren.

**Anna J. McDermott** '44 of Alexandria, Va., on April 7, 2012. She worked for the U.S. Department of Labor as an economist. She was an active member of several social organizations, including AAUW, the Huguenot Society, Daughters of the American Revolution, the National Society of Colonial Dames, and Westminster Presbyterian Church of Alexandria. Survivors include her nephew, **James R. Meier** '85, M.B.A. '87.

**Georgia A. Rauschenberg Spieth** '44 of West Hartford, Conn., on April 4, 2012. A member of Asylum Hill Congregational Church, she was active in the Seedling Garden Club, the Town and County Club, Avery Heights, Immanuel House, and the Women's Exchange. She was a docent at Noah Webster House and knit blankets for charity. She is survived by two daughters, four grandchildren, and two great-grandsons.

**Emily N. Mathews Finnell** '45 of Fort Worth, Texas, on April 30, 2012. At Duke, she graduated Phi Beta Kappa and served as president of Kappa Delta. She moved to Lubbock, Texas, where she taught Sunday school for 25 years. She also served on the council of the Lubbock Woman's Club. Survivors include a son, two daughters, six grandchildren, and eight great-grandchildren.

**Virginia L. Moore Hawn** '45 of Wheat Ridge, Colo., on May 6, 2012. After majoring in education, she taught kindergarten. An oil and pastel artist, she was a past president of the Wheat Ridge Art League. She volunteered at a local elementary-school literacy program, the Denver History Museum, Meals on Wheels, the Arvada Center for the Performing Arts, and the Astor House Museum. She is survived by four children and five grandchildren.

**Kemp C. Honeycutt Jr.** '45 of Staunton, Va., on May 11, 2011. He served in the Navy during World War II and went on to work as a salesman for Broyhill Furniture for many years. He is survived by his wife, Deb; two daughters; a son; and a sister.

**Edward C. Suhling** '45 of Lynchburg, Va., on Nov. 28, 2010. He served in the Marine Corps during World War II. He ran his own small business, Suh Distributing Company, for many years and served as director of Central Fidelity Bank. He was president of the Lynchburg Kiwanis Club, Scoutmaster of a Boy Scout troop, and senior warden of St. John's Church. He is survived by his wife, Margieanne; three daughters; a son; a sister; 12 grandchildren; and 11 great-grandchildren.

**Louis O. Hutson Jr.** '46 of Daly City, Calif., on April 21, 2011. He served in both the Navy and Army and retired from the latter as a captain.

**Passie O. Saperstein Jones** '46, A.M. '47 of Atlanta, on May 7, 2012. She worked at Emory University early in her career, then at the Georgia Bureau of Investigation's state crime lab, and later helped establish the Missing Children's Program.

She was an avid volunteer in the Atlanta community. She is survived by three daughters and seven grandchildren.

**Julia "Judy" Wirt Teasley** R.N. '46, B.S.N. '48 of Williamsburg, Va., on April 1, 2012. She was a member of Daughters of the American Revolution. She is survived by her husband, **Jack L. Teasley** M.D. '47; two sons, including **David G. Teasley** M.D. '79; a daughter; six grandchildren; and two great-grandchildren.

**Granville M. Semmes II** '47 of New Orleans, on March 30, 2012. After Duke, he joined the Navy and later moved to New Orleans, where he worked as an account executive at WWL-TV for more than 30 years. He founded 1-800-Flowers Inc. and studied gemology, becoming a fellow of the Gemological Institute of Great Britain, a gem appraiser, and master gem cutter. He is survived by his wife, Jane; six sons; two daughters; 18 grandchildren; and four great-grandchildren.

**Thomas C. Shuler Jr.** B.S.M.E. '47 of Dayton, Ohio, on April 28, 2012. He retired from General Motors as a mechanical engineer after 35 years of service. He was a veteran of the Army Air Corps and a member of Shiloh Church. He is survived by his wife, Janice; a daughter; a son; a sister; and a grandson.

**Virgie Ray Bingham** R.N. '48 of Greensboro, on May 7, 2012. During her career she worked as a registered nurse and nursing instructor at Cone and Wesley Long Hospitals. In her later years, she discovered woodcarving. She is survived by two sons, a daughter, five grandchildren, and a great-granddaughter.



**MEMORIAL GARDEN • SARAH P. DUKE GARDENS**

**IMAGINE** ... a garden of serenity, with exquisite plantings and shaded benches where family and friends can gather and reflect, in the heart of Duke Gardens.

Stones line the winding paths, engraved with the names and stories of those whose ashes are buried here.

*A charitable contribution to the Gardens endowment is required, which may be part of estate plans.*

**For information, please contact:**  
 Memorial Garden  
 Duke University, Box 90341  
 Durham, NC 27708  
 919-668-3604  
 bill.lefevre@duke.edu  
 gardens.duke.edu

**Lorraine R. Moore** '48 of Ormond Beach, Fla., on Sept. 10, 2011. A member of Alpha Chi Omega at Duke, she spent her professional life as a teacher. Survivors include a sister, **Tracy M. Moore** '45.

**Daniel W. Davis Jr.** M.D. '49 of Columbia, S.C., on April 18, 2012. He was chief surgical resident at Cornell Hospital in New York and was certified in thoracic, vascular, and general surgery. He served as a first lieutenant in the Army during the Korean War and practiced surgery in Columbia for 48 years. He was an archer and sports fisherman. He is survived by his wife, Carla; five sons, including **Daniel W. Davis III** '00; and eight grandchildren.

**June E. Anderson McBrayer** B.S.N. '49, R.N. '49 of Wilmington, N.C., on Aug. 1, 2010. A registered nurse, she worked for the Halifax County Health Department. She was a member of the Wrightsville United Methodist Church. She is survived by three sons, two brothers, seven grandchildren, and a great-granddaughter.

**Paul W. Peebles** '49 of Greenville, S.C., on April 3, 2012. He served in the Army during World War II and in the Army Reserve. After graduating from the Medical School of South Carolina, he practiced family medicine in Greer, S.C., for 34 years. He was a lifetime member of the Society of 1824, the medical university's philanthropic association. He was a member of Memorial United Methodist Church and the First Families of South Carolina. He served on the board of directors for the Boy Scouts' Blue Ridge Council. He is survived by his wife, Rita; two daughters; a son; and six grandchildren.

**Nancy McLeod Reid** '49 of Gastonia, N.C., on April 24, 2012. She was a member of First Presbyterian Church of Gastonia, as well as the Junior League of Gaston County and the Junior Woman's Club. Survivors include two sons, a daughter, and five grandchildren.

**Gayle G. Arnold** HS '50 of Richmond, Va., on Aug. 17, 2011. He was a captain in the Army Air Corps after World War II, then practiced pediatrics in Richmond from 1951 until his retirement in 2004. He served as medical director of the Richmond Cerebral Palsy Center from 1953 to 1997 and was chosen as the 114th Point of Light by President George H.W. Bush in 1990 in honor of his years of volunteer service. He is survived by his wife, Judith; two sons; a daughter; and five grandchildren.

**Robert I. Cooper** J.D. '50 of Palos Verdes, Calif., on May 12, 2011. He served in World War II at the Guantanamo Bay Naval Base, attending Duke Law afterward. He moved to Palos Verdes in 1960 and started his own law practice 10 years later. He was active in the Norris Theatre and many other local groups. He is survived by his wife, Mary; five sons; a daughter; and 10 grandchildren.

**Harry D. Cox** HS '51 of Norfolk, Va., on April 19, 2012. He practiced pediatrics for 50 years and was on staff at Portsmouth General Hospital and Maryview Hospital. He was also an associate professor of pediatrics at Eastern Virginia Medical School and president of numerous medical organizations. He served in the Navy Medical Corps as a lieutenant and sang in several church choirs. He was a member of the Flat Hat Society at the College of

William and Mary. Survivors include his wife, Grace; two daughters; two sons; eight grandchildren; and three great-grandchildren.

**Robert W. Mathers** '51 of Winter Springs, Fla., on March 12, 2012. He served as a Navy surgical corpsman during World War II. He then became an executive officer with American Federal Savings & Loans. After retirement, he was a federal agent with the Resolution Trust Corp. He is survived by his wife, Shirley; a daughter; two sons; a stepdaughter; a stepson; a sister; and eight grandchildren.

**Richard A. Northam** '51 of Glen Mills, Pa., on April 17, 2012. He worked for the Atomic Energy Division of DuPont for 41 years. He served on the board of directors of the Delaware Symphony Association later in life. He played soccer at Duke and was an avid skier, winning a bronze medal at the NASTAR national championship at age 76. He is survived by his wife, Alice; a son; a daughter; eight grandchildren, including **Alyssa Fanelli Benza** B.S.E. '02; and three great-grandchildren.

**Robert S. Rickard** '51 of Cedar Grove, N.J., on April 16, 2012. He served in the Army during World War II. He worked for the Blood Center of New Jersey, located in East Orange, and was a member of the board of trustees of the Leukemia Society of America. He belonged to American Legion Post 185. He is survived by his nieces, nephews, and cousins.

**John M. Tapley** '51 of Tampa, Fla., on April 10, 2012. At Duke, he was captain of varsity tennis and sang in the Glee Club. After college, he was commissioned as an officer in the Marine Corps. He briefly served as a prosecutor in North Carolina before becoming a trust officer with Harter Bank in Canton, Ohio. In 1976, he moved to Tampa and became head of the trust department at Sun Bank (now SunTrust). He is survived by his wife, Ruth; two daughters; a son; a brother; and six grandchildren.

**Patricia A. Whitaker Hawfield** '52 of Bethesda, Md., on March 31, 2012. Survivors include her husband, James; two sons; a daughter; a sister; and five grandchildren.

**Martin Sack Jr.** '53 of Jacksonville, Fla., on April 29, 2012. At Duke, he was president of Zeta Beta Tau and senior manager of the 1952 football team. After law school and two years of service in Germany with the Army, he returned to Jacksonville, where he practiced law for more than 50 years. He was a lifetime member of Congregation Ahavath Chesed and was a member, Paul Harris Fellow, and past president of the Rotary Club of West Jacksonville. He is survived by his wife, Carol; two sons, including **Kevin D. Sack** '81; a brother; and three grandchildren.

**Terrence E. Hanner** '54 of Burlington, N.C., on May 10, 2012. A grand master bridge player, he served in the Army and retired from Alamance Community College as registrar. He is survived by his wife, Bridget; a daughter; two sons; two brothers, including **Henry D. Hanner** '56; a sister; and two grandchildren.

**Jane Macdonald Healy** '54 of Fayetteville, N.C., on April 3, 2012. She was a member of the Greensboro Junior League and Our Lady of Grace Catholic Church, and she was active in the P'TAs



## Retire To A Place You Know And Love

- Carefree gracious apartment and cottage living
- Renowned cultural, educational, fitness & wellness programs
- Trusted Duke directed, on-site healthcare

20 Years of Excellence  
**The FOREST**  
 at DUKE  
 1992-2012



2701 Pickett Road, Durham, NC 27705  
 919.490.8000 • 800.474.0258 • [www.forestduke.org](http://www.forestduke.org)



of her children's schools. She was a member of the Tartan Club, the Fayetteville Literary Guild, and the Fayetteville Garden Club. She also volunteered at the Cancer Center at Cape Fear Valley Medical Center. She is survived by her husband, Fritz; two daughters; two sons; and 11 grandchildren.

**Suzanne Rutland Leach** '54 of West Palm Beach, Fla., on April 1, 2012. She is survived by a son and two grandsons.

**Charles H. Richardson** B.D. '54 of Tulsa, Okla., on Dec. 7, 2011. He was ordained in the Methodist Church and served a number of churches in and around Tulsa. He was district superintendent for the Oklahoma City South District and was the director of Methodist Manor in Tulsa from 1988 to 1994. He is survived by his wife, Anna; a daughter; two sons; three stepchildren; and eight grandchildren.

**Richard N. Bollinger** B.S.M.E. '55 of Bethlehem, Pa., on April 19, 2012. An engineer at Duke, he was also captain of the lacrosse team and an All-American. He joined Bethlehem Steel in 1955 and, aside from a leave of absence to serve in the Army, stayed with the company until his retirement. He was president of the Duke Alumni Association's Greensboro club and an active volunteer. He also taught Sunday school at the First Presbyterian Church of Bethlehem. He is survived by his wife, **Helen Foppert Bollinger** '55; three sons; and eight grandchildren.

**Norman A. Fox** M.D. '55 of Bozeman, Mont., on March 27, 2012. He joined the Navy at 17 and was stationed in Corpus Christi, Texas. He completed his internship and residency in family practice at the University of Michigan, then set up practice at Guilford College. In 1974, he helped start Medical Associates, a group practice in Bozeman. Before retiring, he worked with Indian Health Services on a reservation. He is survived by his wife, Margaret; two daughters; and two sons.

**George B. Herndon Jr.** '56 of Greensboro, on April 26, 2012. He practiced law for 36 years, primarily as a partner at Nance Law Firm in Fayetteville, N.C. He was a member of the Fayetteville Kiwanis Club, serving as president in 1975, and received its Lifetime Achievement Award and the Wells Cup for Outstanding Service. He was named elder emeritus of First Presbyterian Church in 2005. He is survived by his wife, Eleanor; two daughters; a son; two stepsons; a brother; and seven grandchildren.

**Marcus B. Hitchcock Jr.** '56 of Nashville, Tenn., on Nov. 18, 2011. He is survived by his wife, Gayle; two daughters; two brothers; and three grandchildren.

**Carol J. Land Andrus** '57 of New York, on May 15, 2010.

**Gordon D. Lewis** M.F. '57 of Asheville, N.C., on April 25, 2012. He served in the Army in the Korean War and received his doctorate from Michigan State University. He was a professor of research for the U.S. Forest Service. He is survived by his wife, Yoshie, and a brother.

**Elizabeth G. Whitley Hofferbert** R.N. '58, B.S.N. '60 of Huntersville, N.C., on April 1, 2012. Originally from Siler City, N.C., she had a long career in nursing. Survivors include her husband, William; two daughters; and two sons.

**Philip T. Howerton** M.D. '58 of Morganton, N.C., on April 1, 2012. A captain in the Air Force from 1954 to 1963, he later helped found Blue Ridge Radiology Associates and continued to practice medicine there until his retirement in 2003. He was involved in his church and community and served on many boards and organizations. He is survived by his wife, Hilda; a son; two daughters; a stepson; a stepdaughter; a brother; and three granddaughters.

**George E. Dunlap** '59 of Jacksonville, Fla., on July 20, 2011.

**John G. Pless** '59 of Rural Hall, N.C., on Jan. 14, 2012. Survivors include his wife, Wendy; a son; a daughter; and five grandchildren.

**Robert E. Whalen** HS '60, HS '61 of Wake Forest, N.C., on April 25, 2012. He moved to Durham in 1956 to train as an intern at Duke Hospital. He remained at Duke, where he finished his residency and fellowship in cardiology, then worked at Duke University Medical Center as a clinical cardiologist from 1961 to 1992. He served as director of Duke University Medical Center, director of the Cardiovascular Disease Service, and chief of internal medicine. He became a professor of medicine at Duke in 1974, received the Distinguished Teacher Award in 1987, and was named professor emeritus in 2000. He is survived by his wife, Evelyn; four daughters; two sons; two stepsons; and 15 grandchildren.

**Ida Mae Speaks** A.M. '61 of Fairfax, Va., on April 17, 2012. A retiree of Fairfax County schools, she was also an elder in Fairfax Presbyterian Church and was a fundraiser for the Fairfax Salvation Army. She is survived by two brothers.

**Harriett E. Cope Bebout** '62 of Cleveland, on March 17, 2012. She worked as an associate professor of mathematics education at the University of Cincinnati for 20 years. She dedicated her professional life to improving education in urban schools. Upon retirement, she returned to Wisconsin to be closer to her family and friends. She is survived by two sons, a daughter, and six grandchildren.

**William J. Kinnamon Jr.** '62, LL.B. '63 of Spotsylvania, Va., on April 14, 2012. He was a commercial credit analyst with First & Merchants National Bank before practicing law with a private firm in Fredericksburg from 1967 until 2008. A Rotary Foundation Paul Harris Fellow, he received numerous awards for his charitable work, including a Volunteer of the Year Award and a Citizenship Award from the Fredericksburg Regional Chamber of Commerce. Survivors include his wife, Jo Anne; a daughter; a son; a sister; and two grandchildren.

**Janet W. Duke Beury** '64 of Crofton, Md., on April 20, 2012. She taught social studies and English at junior high schools for eight years before beginning a real-estate career. She was a top real-estate producer and received the RE/MAX Hall of Fame and Lifetime Achievement Awards. She retired in 2004 after 30 years in real estate. She is survived by her husband, Ron; a daughter; a sister; a brother; and two grandchildren.

**Mary Ann Musser** M.Ed. '64, Ed.D. '68 of Lexington, Ky., on April 25, 2012. She was a life-long teacher, educating students in Brownsburg,

Ind., N.C. Central University, Kentucky College of Business, and H&R Block. She was a Girl Scout volunteer for 45 years. She is survived by two daughters; a son; and a grandchild.

**William W. Stanfield Jr.** '64, A.M. '05 of Wilmington, N.C., on April 14, 2012. He was founder and CEO of Cape Fear Bonded Warehouse, managing partner of Southerland & Stanfield in Mebane, N.C., and investor and co-managing member of River Enterprises Inc. An elder, deacon, Sunday school teacher, and coach at First Presbyterian Church, he was also chairman of the board of New Hanover Regional Medical Center. He is survived by his wife, Alice; three sons; and eight grandchildren.

**Addison G. Mangum** HS '65 of Albemarle, N.C., on April 9, 2012. He completed his residency at Duke University Medical School. He was a radiologist at Stanly Memorial Hospital and an Air Force veteran.

**Allan H. Davis** '66 of Richmond, Va., on March 30, 2012. After Duke, he moved to the San Francisco area, where he owned and managed The Book and Bean, one of the country's first bookstore cafés, and was the proprietor of Yard Art, a nationally known store specializing in antiques for gardens. He later moved back to his hometown. He is survived by a sister, **Patsy Harriet H. Davis** '63.

**Cynthia Ann Gilliatt** '66 of Harrisonburg, Va., on Aug. 16, 2012. She helped found and support Integrity/Virginia, an organization that provides safe spiritual space for LGBT people. She was a priest associate at Emmanuel Episcopal Church, where she also served as chaplain to its Canterbury Club, and priest-in-charge at the Church of the Good Shepherd. She helped found Safe Zones at James Madison University, where she was an associate professor of English.

**Richard K. Reider** M.A.T. '67 of Austell, Ga., on April 20, 2012. He joined the Navy in 1941 and, after two years of working on aircraft searching for German submarines, he entered flight school, receiving his Navy gold wings in 1945. After retiring from the Navy in 1966, he taught advanced math at Westminster Schools in Atlanta for 20 years. He and his wife traveled to 72 countries. He is survived by his wife, Jean; a daughter; a son; a sister; two grandchildren; and five great-grandchildren.

**Edwin J. Johnson** B.S.E.E. '68 of Littleton, Colo., on Feb. 28, 2012. Survivors include his wife, Karen.

**Howard G. Godwin Jr.** J.D. '69 of Tarrytown, N.Y., on April 1, 2012. He was a corporate lawyer at Sidley Austin in New York for 42 years and had been a partner since 1978. He served on the UNC-CH board of visitors. A high-school sports fan, he was the sole sponsor of the Sleepy Hollow High School Annual Holiday Basketball Tournament for the past 20 years. He is survived by his wife, **Mary Ann "Mimi" McDonough Godwin** M.Ed. '69; two daughters; and a sister.

**John W. Wilder** M.Div. '69 of South Boston, Va., on Oct. 15, 2011. After serving in the Army, he began 48 years of ministry in the United Church of Christ in 1958. Following retirement, he continued to volunteer at Halifax Regional

Hospital as an associate chaplain, as well as continuing regular visits to the area's nursing homes. He was a master gardener. He is survived by his wife, Eloise; a daughter; two sons; a sister; and a granddaughter.

**Robert D. "Doug" Hagan** M.Ed. '72, Ed.D. '74 of Springfield, Ill., on April 1, 2012. After enlisting in the Marine Corps, he earned his doctorate in education while serving as the NROTC Marine Officer instructor at Duke. After retiring from the Marine Corps in 1979, he joined SRI International, formerly Stanford Research Institute, in Menlo Park, Calif. He is survived by his wife, Dee; two children; three stepchildren; a sister; six grandchildren; and two step-grandchildren.

**Ruthann Huling Hall** '73 of Worcester, Mass., on April 12, 2012. After graduating magna cum laude, she began her career in the insurance industry, became an actuary, and retired early from John Hancock Mutual Life in 1998. Since 2000, she and her husband served as missionary volunteers through the United Church of Christ's sister denomination in South Africa. She is survived by her husband, **Jan Tore Hall** '73; her parents; a sister; a brother; and her father-in-law, **Thor Hall** M.R.E. '59, Ph.D. '62.

**Johnnie L. Gallenmore Jr.** J.D. '74 of Maryville, Tenn., on April 24, 2012. A psychiatrist, he taught at Duke, as well as Marshall University, East Tennessee State University, and

Eastern Virginia Medical School. He practiced psychiatry in Florida and Tennessee. He is survived by two sons, two brothers, and three grandchildren.

**David L. Henson** M.H.A. '74 of Winston-Salem, on April 23, 2012. He served in the Army after college and was awarded a Bronze Star for his service in the Vietnam War. He was a hospital administrator for Wilkes Regional Medical Center, retiring in 2009 after working in health care for more than 30 years. He is survived by his wife, Wanda; three sons, including **Matthew C. Henson** '04; and his father.

**David V. Blagg II** M.H.A. '75 of Florence, S.C., on March 21, 2012. After earning master's degrees from Duke and Oberlin College, he pursued a career in medical administration. He was a mentor and volunteer for the medical and arts communities. He is survived by his companion, Carole Morgan Goff; a son; two daughters; his mother; a brother; a sister; four grandchildren; and a great-granddaughter.

**George R. Cline** M.E. '75 of Cross Creek, Fla., on March 31, 2012. In 1975, he started Timber Management Services, where he was owner and sole proprietor. His civic activities included being a member of the Free & Accepted Masons, Sons of the American Revolution, the NRA, and the Society of American Foresters. An Eagle Scout, he was an elder of Cross Creek Church and served on the Avella Area school board. He is survived by his wife, Beverly Hendrickson; three daughters; and a brother.

**George Cooper IV** H.S. '75 of Charleston, S.C., on April 28, 2012. He was an internationally recognized expert in heart physiology and a leader in research into the causes of heart failure. He wrote more than 80 scientific articles and 10 book chapters in the field of cardiac mechanics and received a research prize from the American Heart Association and an award from the American Physiological Society in recognition of his research achievements. He is survived by his wife, Elizabeth; four sons; two sisters; and four grandchildren.

**Paul B. Keller** B.S.E. '76 of St. Louis, on April 13, 2012. He was an engineer who made his career as an executive in the resort and entertainment businesses. He was executive vice president of design and construction for Trump Entertainment Resorts and served as vice president of design and construction for Argosy Gaming Co. He also had a leadership role at Walt Disney Imagineering and was active in the development of Epcot Center and Tokyo Disneyland. He later joined Isle of Capri Casinos Inc. as chief development officer. He is survived by his wife, Mary; a daughter; his mother; and two sisters.

**Marilyn Wise Roberts** '76 of Decatur, Ga., on Dec. 6, 2010. Survivors include her husband, Bruce; a daughter; her parents; a brother; and a sister.

**Jimmie E. Martin** Ed.D. '77 of Albemarle, N.C., on March 24, 2012. He retired as superintendent of the Stanly County schools in 1993 after almost 40 years in education. He was named the southwest region's Superintendent of the Year in 1989 and 1992 and was an adjunct instructor at UNC-CH and Pfeiffer University. He taught Sunday school. He is survived by his wife,

## How do you want to retire? *Rejuvenate*



Stay young in mind, body and spirit by becoming a part of The Village at Brookwood. Whether you are swimming with the grandkids, traveling with friends or participating in lifelong learning at Elon University, programs at The Village focus on extending your years of wellness.

**The Village at Brookwood — This is how we do retirement.**

1860 Brookwood Ave.  
Burlington, NC



Sponsored by  
Alamance Regional  
Medical Center

800-282-2053

[www.VillageAtBrookwood.org](http://www.VillageAtBrookwood.org)

Kathleen; a daughter; two sons; a sister; six grandchildren; and a great-grandchild.

**William R. "Bob" Routon** M.S. '81 of Humboldt, Tenn., on April 26, 2012. He completed his general surgery residency at Tampa General Hospital in Florida. Since 1982, he served as chief general surgeon at Humboldt General Hospital. He made illustrations for several medical textbooks. He is survived by a son, a daughter, three sisters, and three brothers.

**James R. Fouts** M.Div. '84 of Sylva, N.C., on April 15, 2011. He worked for the National Institute of Environmental Health Science in Chapel Hill until his retirement in 1985. He was a leader in environmental science and climate change, writing more than 250 scientific publications, and was listed in *Current Contents* "1,000 Most Cited Contemporary Scientists 1965-78." He pursued a second career in religion, and was ordained in 1986. He is survived by his wife, Joan; a son; two daughters; a sister; 10 grandchildren; and a great-grandson.

**Melinda A. "Lindy" Olney Rex** B.S.E. '85 of Cary, N.C., on April 24, 2012. She made, shared, and donated jewelry to raise money for cancer research. She is survived by her husband, **Douglas S. Rex** B.S.E. '85, M.B.A. '91; three sons; a surrogate daughter; her parents; and two brothers.

**Bradley B. Wayburn** B.S.E. '85 of Park City, Utah, on Feb. 4, 2012. Survivors include his parents and two brothers.

**William L. Basuk** M.D. '86 of San Diego, on April 30, 2012. He completed his medical resi-

dency in ophthalmology before spending a year as a fellow with Project Orbis, a volunteer group that brings eye-care services to areas in need. He was a corneal specialist in San Diego since 1993, and in 2003, he was appointed assistant clinical professor of ophthalmology at the University of California-San Diego School of Medicine. He was the sitting president of the San Diego Eye Bank. He is survived by his father; a sister, **Barbara Basuk Ship** M.D. '80; and a brother.

**Thomas M. Morton** M.Div. '89 of Concord, N.C., on April 19, 2012. He worked for the North Carolina Department of Transportation bridge crew during college, then taught high-school history after graduating. He served as principal of Mount Ulla elementary school before becoming superintendent in 1978. He then became pastor of Center United Methodist Church in Greensboro and served several churches before retiring in 2007. He is survived by his wife, Beverly; two daughters; a stepdaughter; a stepson; a brother; and four step-grandchildren.

**Michael E. Faulstich** M.D. '92 of Mount Pleasant, S.C., on April 21, 2012. He practiced radiology at Clarendon Memorial Hospital and Williamsburg Regional Hospital, as well as covering several outpatient imaging centers. He is survived by his wife, Kim; a son; two daughters; his parents; three sisters; and a brother.

**Ronald A. Burrell** M.Div. '04 of Raleigh, on May 1, 2012. Survivors include his wife, Margaret; a daughter; two sons; a stepson; his father and stepmother; eight sisters; and three brothers.

**Alex Fayne** M.B.A. '04 of Chestnut Hill, Mass., on May 7, 2012. He was a founder and

COO of Pfizer's Centers for Therapeutic Innovation. Previously, he held commercial and strategy roles at MedImmune in Gaithersburg, Md., and Genentech in San Francisco. He is survived by his wife, **Sara L. Green** '98; a son; his parents; and a brother.

**Tristan G. Zimmerman** LL.M. '05 of Geneva, Switzerland, on April 6, 2012. He attended College de Candolle in Geneva before attending Duke. He published several papers in the area of religious freedom.

**Regine Marie Gordon** '08 of Tampa, Fla., on June 21, 2012. She was a consultant and head of marketing at ExcelaCom Inc. She competed in the 2011 Marine Corps Marathon in Washington and was a snowboarder, certified scuba-diver, and poet. She is survived by her parents and two brothers.

**Marsha Ann Hanly** M.S.N. '08 of Suffolk, Va., on May 16, 2012. She was commissioned in the Navy's Nurse Medical Corps in 1996. During her 16 years in the Navy, she served in Virginia, Italy, and Kuwait and reached the rank of commander. She is survived by her husband, Scott; a daughter; a son; her parents; two brothers; a sister; and a grandmother.

**Edward A. Adams** M.T.S. '11 of Durham, on Oct. 19, 2011. He was a member of Bethlehem Baptist Church and was ordained by Fairfield County Baptist Association in 2007. He received a bachelor's degree in business administration from Winthrop University and a master's of healthcare administration from Ohio State University. He is survived by his wife, April; a daughter; his parents; two sisters; two brothers; and a grandmother.

# Classifieds

Looking for ways to reach an exclusive clientele? Advertise with *Duke Magazine* and access more than 120,000 potential clients in the Duke family. For rates, requirements, deadlines, and all other questions, check out [www.dukemagazine.duke.edu](http://www.dukemagazine.duke.edu), or e-mail us at [dukemag@duke.edu](mailto:dukemag@duke.edu).

## ACCOMMODATIONS

Paris: Marais. Luxury rental in center of Paris. Close proximity Picasso Museum, Centre Pompidou and other historical sites as well as gourmet shops of Rue de Bretagne. See owner's website at [www.parischapon.com](http://www.parischapon.com).

Ski in/Ski out. Luxury Deer Valley 3 Bedroom Condo. Arrowleaf Lodge #303 Sleeps 6-8. Fantastic mountain views from every room. Mention the Duke Discount! [www.VRBO.com/394683](http://www.VRBO.com/394683)

**Tuscany: Castle.** Spend a week in a fabulously restored 11th century castle. Sleeps 8. [www.castellodiporciano.com](http://www.castellodiporciano.com). Contact Betsy Conti at 919-961-5565, [betsy@thecontigroupllc.com](mailto:betsy@thecontigroupllc.com)

## FOR SALE

FREDDY ROBERTSON'S 45's RECORD COLLECTION. 51K records. See [unclefredsrecords.com](http://unclefredsrecords.com). (570) 856-4292, [duke1971@ptd.net](mailto:duke1971@ptd.net)

Four ten (10) acre wooded lots (\$74,975) on stream in Orange County only 25 minutes from Duke between Mebane/Chapel Hill 4+/- miles from I-40/I-85 on Mebane Oaks Road. 10% discount for cash - owner financing available. John M. Jordan, 58', Saxapahaw, NC 27340, (336) 376-3122 (work), (336) 214-3650 (mobile), (336) 376-3132 (home), [john@jordanproperties.com](mailto:john@jordanproperties.com)

## MISCELLANEOUS

An organization for women of the Duke community - faculty/staff, spouses, alumnae, volunteers. Join us for interesting programs, lectures, interest groups, trips. Contact Karen Childers ([kwchilders@nc.rr.com](mailto:kwchilders@nc.rr.com)) or visit our website [www.dukecampusclub.com](http://www.dukecampusclub.com) for more information.



# Retro

## One Hundred Reasons

Duke has received larger gifts than George-Frank Wall's—but rarely one more meaningful. | By Valerie Gillispie

**D**uke has a long and proud history of support from individuals, whose gifts have helped make the university what it is today. The largest of those gifts, such as the establishment of The Duke Endowment by James B. Duke in 1924, are well celebrated, their legacies literally cemented into the university's physical campus. But the thousands of smaller contributions Duke has received throughout its history often reveal a more intimate portrait of Duke's connection to its donors. Such a gift came in 1946, when longtime Duke employee George-Frank Wall made a bequest to Duke, one whose symbolism outsized its monetary value.

The story starts in 1870, when President Braxton Craven hired fourteen-year-old George Wall, a former slave, to help out on Trinity College's campus in Randolph County. Known to everyone around campus as "Uncle George," Wall worked for Trinity (and later, Duke) for sixty years. When Trinity moved to Durham in the 1890s, Wall followed. He purchased land near the Durham campus and helped establish the neighborhood later named for him, Walltown.

Upon learning of his death in 1930, John Franklin Crowell, former president of Trinity, wrote to the *Alumni Register*: "During my latest visit to Durham, I learned incidentally that George Wall lived in the vicinity. President Few sent for him so that we might meet again, and ours was a happy half hour in recalling old times. We seemed to be



**Sheriff of the dining halls:** Like his father, George-Frank Wall worked at Duke for more than sixty years. His will (right) underscored his loyalty to the university.

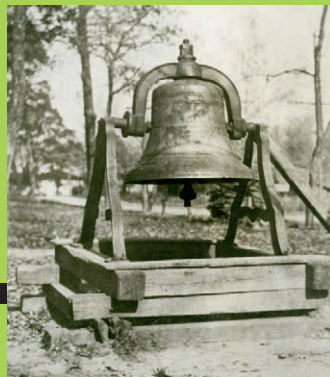
like old friends cordially enjoying each other's recollections as coworkers. The cordial spirit in which we chatted caused some to remark what a fine friendly feeling prevailed between President

## THEN&NOW

BELLS

# 1876

The original **Trinity College Bell** is cast. When Trinity College moved to Durham in 1892, the original bell was placed in storage and later relocated to a museum of university history in the Duke University Chapel tower. A second Trinity bell was hung in the Washington Duke Building's bell tower.



## July 22, 1911

Following a fire that destroyed the Washington Duke Building and its bell, Benjamin N. Duke gives funding for a new campus bell, which was dedicated on this date. The bell was christened "**Marse Jack**," after recently elected Bishop of the Methodist Episcopal Church, South (and former Trinity College President) John C. Kilgo. Marse Jack has hung in the Bell Tower Residence Hall since it opened in 2005.

**LISTEN** ◀ <http://www.youtube.com/watch?v=vTsiHKWON8>



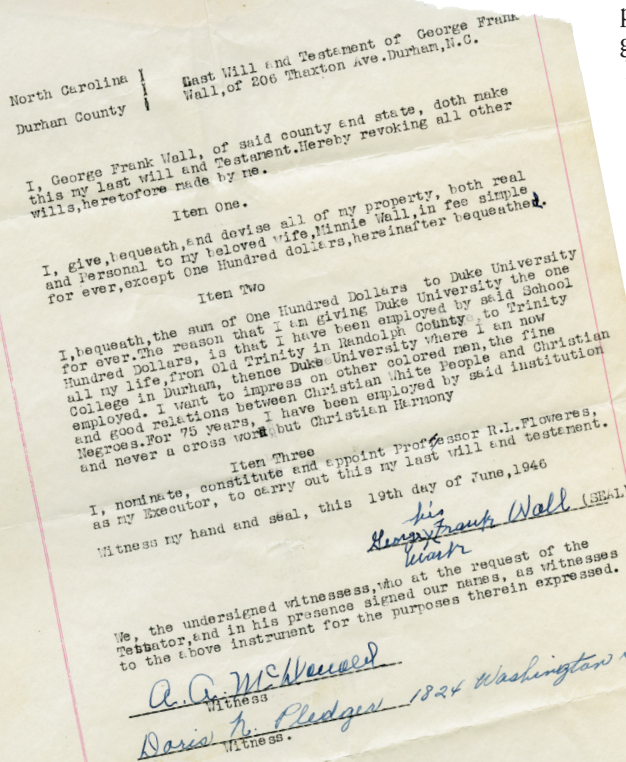
and Janitor of the same institution, after more than thirty years of separation.” Crowell wrote that he considered Wall’s death a personal loss.

George-Frank Wall, one of George Wall’s nine children, was born sometime before Christmas of 1871. (The exact date is unknown.) Frank, as he was known, often helped his father clean and make beds for students at Trinity. He did not receive a formal education and likely could not read or write. But like his father, he became an integral part of Durham and campus

life, raising four sons in Walltown and continuing to work at Duke until his death in 1953. Longtime director of dining halls Ted Minah dubbed Wall the “Sheriff of the Dining Halls,” as Wall was assigned to enforce the cleanliness of the dining facilities. When Wall wrote his will in 1946, he elected President Robert Flowers as executor of his estate.

That will stated that all Wall’s worldly possessions should go to his wife—except for \$100. That—the equivalent of about \$1,200 today—he reserved for Duke.

## Wall’s gift, which was added to the scholarship fund, came at a time when Duke did not admit African-American students.



“The reason that I am giving Duke University the One Hundred Dollars,” the will states, “is that I have been employed by said School all my life, from Old Trinity in Randolph County, to Trinity College in Durham, thence Duke University where I am now employed. I want to impress on other colored men, the fine and good relations between Christian White People and Christian Negroes. For seventy-five years, I have been employed by said institution and never a cross word but Christian Harmony.”

Wall’s gift, which was added to the scholarship fund, came at a time when Duke did not admit African-American students. It would not be until ten years after his death that the first black undergraduates enrolled. In the years since, two descendants of the elder George Wall’s nine children have graduated from Duke, according to the Wall family.

The family connection that inspired Wall’s generosity is visible in many other aspects of university life, as well. In recent years, Duke has forged new partnerships with the Walltown neighborhood, including a neighborhood health clinic, a children’s theater, and a DukeEngage project to help middle-school students learn about the history of their neighborhood.

Throughout Duke’s history, thousands of employees and alumni have shown their support of Duke with gifts large and small. Stories like those of George-Frank Wall and his family’s enduring bond to Duke help us remember that the true value of those gifts isn’t always measured in dollars and cents.

*Gillispie is Duke’s university archivist.*

Duke Endowment trustees George G. Allen and William R. Perkins pledge funding to purchase a carillon for the chapel, then under construction. President William Preston Few accepted the

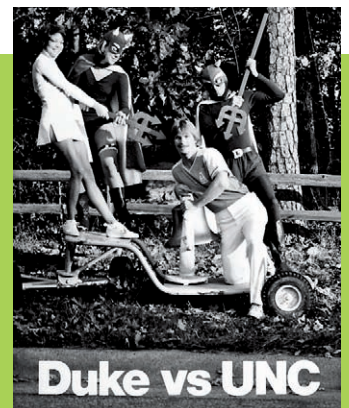
## April 28, 1930



gift, writing that the carillon would be “the voice of the University.” Anton Brees, the first university carillonner, performed the fifty-bell carillon’s inaugural concert—to an audience of 10,000—on June 5, 1932, as part of Duke’s commencement events.

## November 20, 1948

The Victory Bell—a spirit-boosting idea of Duke head cheerleader Loring Jones ’50 and UNC head cheerleader Norman Speer—makes its debut at the Duke-UNC football game.



## 1986

J. Samuel Hammond ’68, M.A.T.S. ’96 is designated second university carillonner by President H. Keith H. Brodie. Hammond, who began as student carillonner in 1965, is still playing the carillon on weekdays and after chapel services.

# Devil's Own

It would give me great joy if, through the labor of my hands, I could prove to you my sincere interest in this momentous day.” These words, written in 1821 by a German man named F.N.W. Kutscher, accompany an extraordinary wedding gift, presented to a bride addressed as Mademoiselle Lilli Kemmeter. At first glance, it appears to be an ordinary sewing kit, with brass handles, a floral pattern decorating the outside, and nearly 100 spools of silk thread in every color imaginable. But hidden beneath the sewing equipment, accessible by removing a false bottom, is a secret library—a sixty-volume collection of German classics printed in hardcover books the size of a modern smartphone.

Did Kutscher make the hidden library to help conceal the newlywed's reading habits from a disapproving husband? Was it merely convenient storage for a treasured collection of volumes? The mystery adds to the intrigue of the kit, purchased by Duke Libraries this past April. The books alone make it a rare find, but librarians say their context offers an intimate look into the life of an upper-middle-class European woman in the nineteenth century—one that may be valuable for scholars of the period, or anyone who loves a good yarn.

—Mike Schreiner



Storing a secret: Rare sewing kit hides a collection of German literary classics.

Photo by Les Todd

# Duke Reunions 2013

April 12-14, 2013

**Recapture the Fun, the Friendships,  
and the Magic of your Duke Experience!**

**Reunions 2013 offers something for everyone.**

From educational sessions to class parties, from tours and performance events to sports clinics, we've got a great Reunions Weekend coming your way this spring.

Your reunion begins online at:

[www.DukeReunions.com](http://www.DukeReunions.com)

**Duke**  
ALUMNI ASSOCIATION



## CLASSES

**1953, 1958, 1963, 1968, 1973, 1978,  
1983, 1988, 1993, 1998, 2003, 2008**  
and the **Half Century Club**

Start making your plans **ONLINE** now.

You'll want to see what everyone has been doing lately, and share your own news.

[www.DukeReunions.com](http://www.DukeReunions.com)

Duke Alumni Association

Reunions Office • Box 90572 • Durham, NC 27708-0572  
[www.DukeReunions.com](http://www.DukeReunions.com)



# DUKE

DUKE UNIVERSITY, BOX 90572  
DURHAM, NORTH CAROLINA 27708-0572

NONPROFIT ORG.  
U.S. Postage  
PAID  
PPCO

# Travel *with* Duke

*Your friends. Your faculty. Your dream destinations.*



Where do you want to go in 2013?  
[www.dukealumnitravel.com](http://www.dukealumnitravel.com)

Duke  
ALUMNI ASSOCIATION

Burma: March 11-21



Insider's Japan: April 17-29



Iceland/Greenland: August 12-24



Celtic Lands: May 9-17

Photo by Joel Stratte-McClure